

FINAL

ENVIRONMENTAL ASSESSMENT
FOR THE PROPOSED INSTALLATION AND OPERATION OF
GROUND SOURCE HEAT PUMP
SYSTEMS
SAN FRANCISCO VETERANS AFFAIRS
MEDICAL CENTER
SAN FRANCISCO, SAN FRANCISCO COUNTY, CALIFORNIA



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22 NOVEMBER 2011

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LIST OF ACRONYMS AND ABBREVIATIONS

ACHP	Advisory Council on Historic Preservation	IICEP	Interagency and Intergovernmental Coordination for Environmental Planning
AGL	Above Ground Level	IMP	Institutional Master Plan
AIRFA	American Indian Religious Freedom Act	kWh	Kilowatt-hours
ARPA	Archaeological Resources Protection Act	LUST	Leaking Underground Storage Tank
BAAQMD	Bay Area Air Quality Management District	NAAQS	National Ambient Air Quality Standards
BAS	Building Automation System	NAGPRA	Native American Graves Protection and Repatriation Act
bgs	Below Ground Surface	NDMS	National Disaster Medical System
BLM	Bureau of Land Management	NEPA	National Environmental Policy Act of 1969
BMP	Best Management Practice	NHPA	National Historic Preservation Act
CAA	Clean Air Act	NOA	Notice of Availability
CAAA	Clean Air Act Amendments	NO _x	Nitrogen Oxides
CARB	California Air Resources Board	NPDES	National Pollution Discharge Elimination System
CCR	California Code of Regulations	NPS	National Park Service
CEQ	Council on Environmental Quality	NRCS	Natural Resources Conservation Service
CFR	Code of Federal Regulations	NRHP	National Register of Historic Places
CHP	Combined Heat & Power	NWI	National Wetland Inventory
CO	Carbon Monoxide	O ₃	Ozone
CZMA	Coastal Zone Management Act	Pb	Lead
DEA	Draft Environmental Assessment	PM	Particulate matter
DOGGR	Division of Oil, Gas, & Geothermal Resources	PM ₁₀	Particulate matter less than or equal to 10 micrometers in aerodynamic size
EA	Environmental Assessment	PM _{2.5}	Particulate matter less than or equal to 2.5 micrometers in aerodynamic size
EDR	Environmental Data Resources Incorporated	PTE	Potential to Emit
EIS	Environmental Impact Statement	PV	photovoltaic
EO	Executive Order	RP	Research Park
FEMA	Federal Emergency Management Agency	SFBAAB	San Francisco Bay Area Air Basin
FONSI	Finding of No Significant Impact	SFBWQCB	San Francisco Bay Regional Water Quality Control Board
FPPA	Farmland Protection Policy Act	SFPUC	San Francisco Public Utilities Commission
FY	Fiscal Year	SIP	State Implementation Plan
GSHP	Ground Source Heat Pump		
HAP	Hazardous Air Pollutant		
HDPE	High Density Polyethylene		
HTMW	Hazardous and Toxic Materials and Wastes		
HVAC	Heating, Cooling, and Ventilation		

SHPO	State Historic Preservation Office
SO ₂	Sulfur dioxide
Thm	Therm
TPY	Tons per year
USACE	United States Army Corps of Engineers
USC	United States Code
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VMC	Veterinary Medical Unit

SECTION 1: PURPOSE OF AND NEED FOR THE PROPOSED ACTION

1.1 Introduction

This Section provides the reader with necessary introductory and background information concerning the Proposed Action for proper analytical context; identifies the purpose of and need for the Proposed Action and the Federal decision to be made; and provides a summary of public/agency involvement (and key issues identified), and applicable Federal, State, and local regulations.

1.2 Background

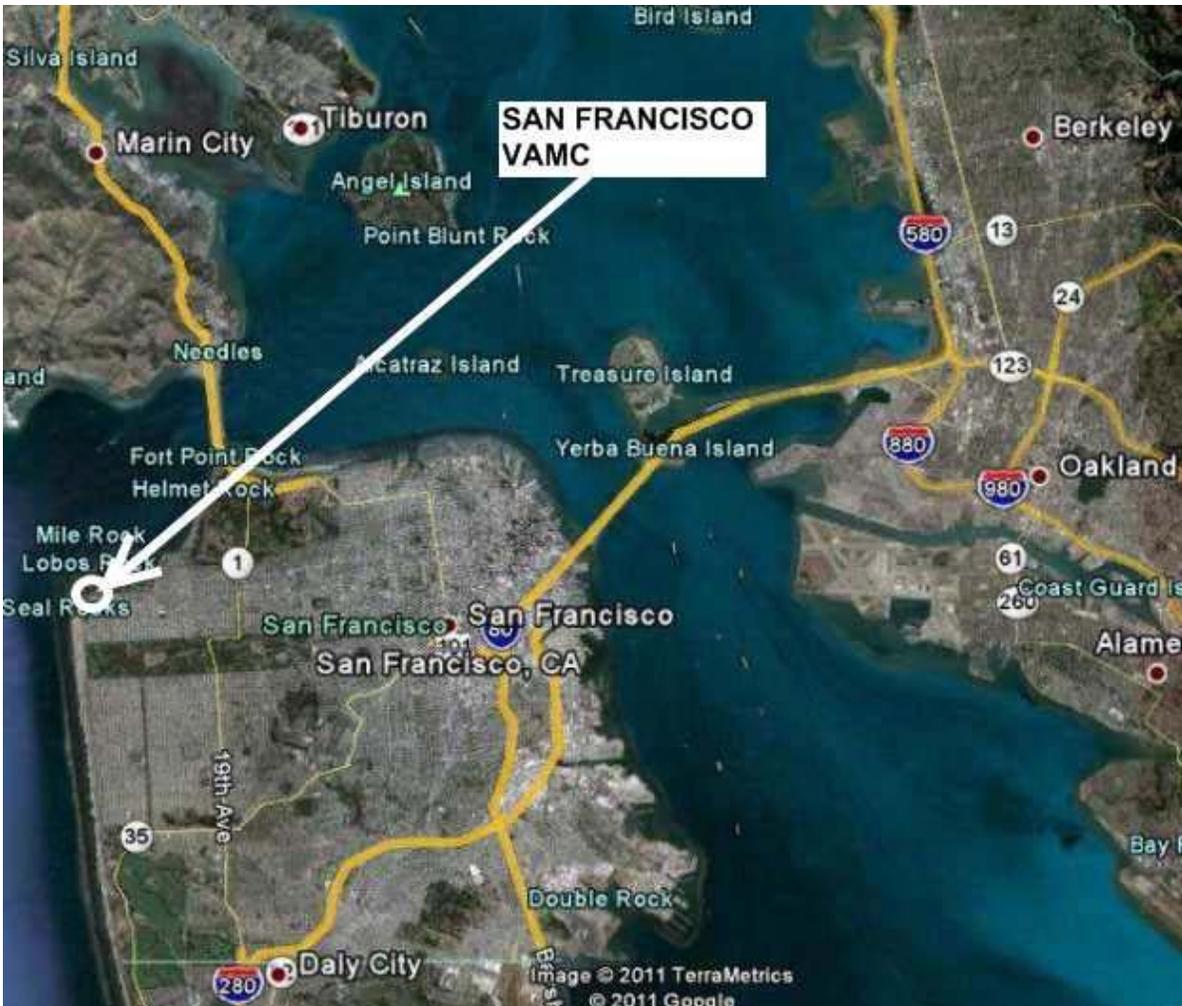
The Department of Veterans Affairs (VA), a Federal agency, currently operates the San Francisco Veterans Administration Medical Center (VAMC) located at 4150 Clement Street in the City of San Francisco, San Francisco County, California. [Figure 1](#) provides a regional location map; [Figure 2](#) provides a site location map; and [Figure 3](#) provides a Proposed Action map, including onsite buildings. The Proposed Action is described in Section 2.

In 2005, the Energy Policy Act was passed by Congress. Section 203 of this Act requires that, of the total amount of electric energy the Federal government consumes during any Fiscal Year (FY), specific amounts shall be from renewable energy sources. Renewable energy sources include wind, solar, geothermal, and other sustainable methods.

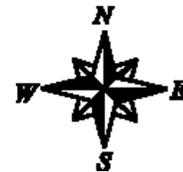
While VA is required to meet these renewable energy requirements, the San Francisco VAMC does not currently do so. Pacific Gas & Electric currently provides electrical power and natural gas service to the VAMC. The VAMC consumes approximately 212,699,000 kilowatt hours (kWh) per year, at an average cost of \$0.1253 per kWh. This results in an annual electric bill of approximately \$2,371,500. When added to the \$1,509,600 annual natural gas bill, VA spends approximately \$3,881,100 per year on utilities to operate the San Francisco VAMC (Alares 2010).

According to Section 203 of the Energy Policy Act: for FYs 2010 through 2012, not less than 5 percent of the Federal agency's consumed energy must be renewable in nature. For FYs 2013 and each fiscal year thereafter, not less than 7.5 percent of the consumed energy must be renewable. In addition, the Act specifies that: "For the purposes of determining compliance, the amount of renewable energy saved shall be doubled if: (a) The renewable energy is produced and used *on-site* at a Federal facility; (b) The renewable energy is produced on Federal lands and is used at a Federal facility; or (c) The renewable energy is produced on Indian land and used at a Federal facility."

In an effort to help meet VA's requirements under the Energy Policy Act at the VAMC, VA has proposed to install solar photovoltaic (PV) systems on five existing buildings located throughout the 29-acre campus. A Final Environmental Assessment (EA) describing and analyzing the environmental effects of these proposed solar PV systems was completed in May 2011 (AMEC 2011). While these PV systems have not yet been installed, they would ultimately work in combination with the proposed Ground Source Heat Pump (GSHP) systems (i.e., geothermal systems) described and analyzed within this EA to help VA meet the overall goal of increased renewable energy use at the VAMC.



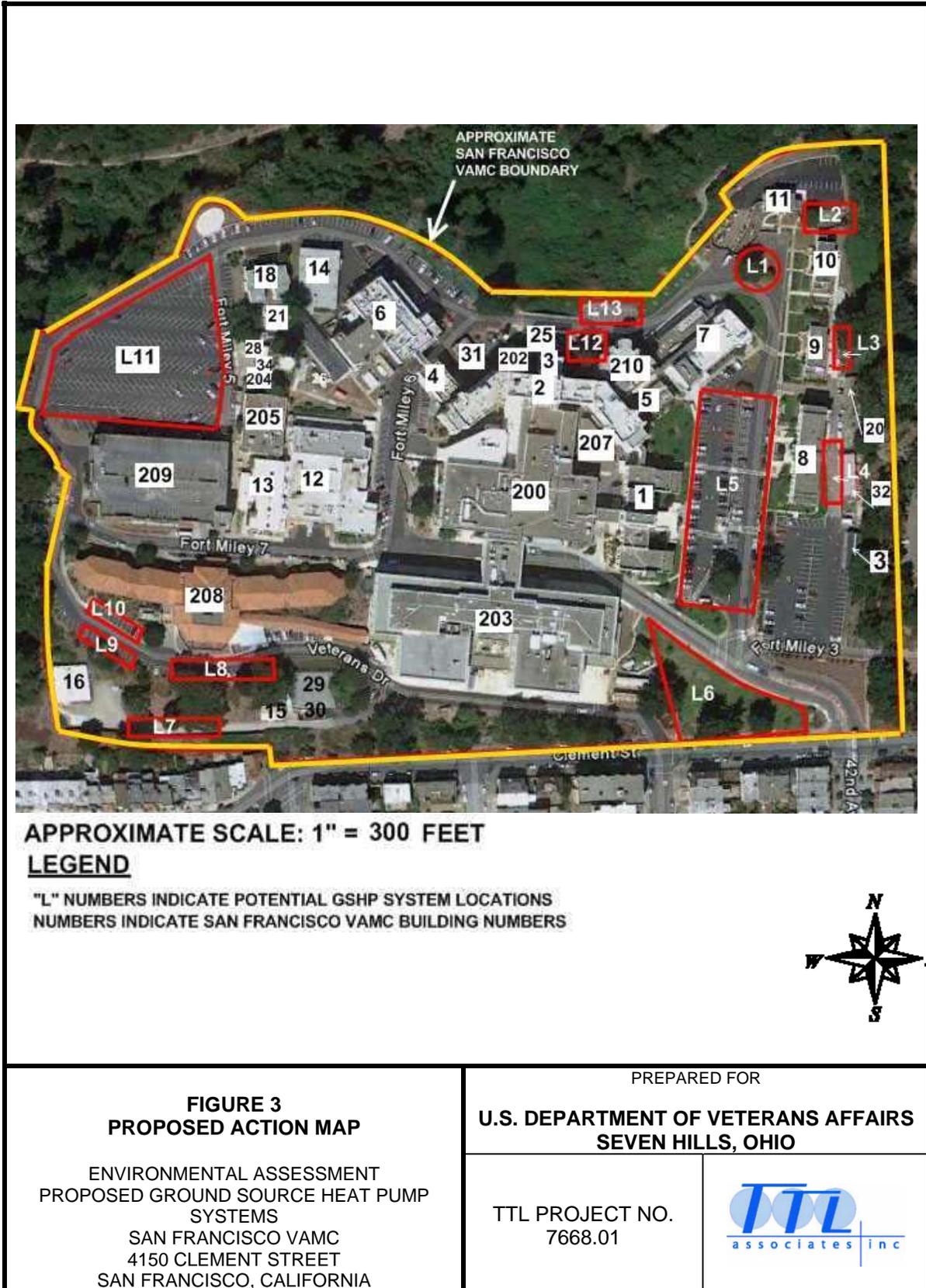
**APPROXIMATE SCALE:
1" = 1.58 MILES**



<p>FIGURE 1 SAN FRANCISCO VAMC REGIONAL LOCATION MAP</p> <p>ENVIRONMENTAL ASSESSMENT PROPOSED GROUND SOURCE HEAT PUMP SYSTEMS SAN FRANCISCO VAMC 4150 CLEMENT STREET SAN FRANCISCO, CALIFORNIA</p>	<p>PREPARED FOR U.S. DEPARTMENT OF VETERANS AFFAIRS SEVEN HILLS, OHIO</p>	
	<p>TTL PROJECT NO. 7668.01</p>	



<p>FIGURE 2 SAN FRANCISCO VAMC SITE LOCATION MAP</p> <p>ENVIRONMENTAL ASSESSMENT PROPOSED GROUND SOURCE HEAT PUMP SYSTEMS SAN FRANCISCO VAMC 4150 CLEMENT STREET SAN FRANCISCO, CALIFORNIA</p>	<p>PREPARED FOR</p> <p>U.S. DEPARTMENT OF VETERANS AFFAIRS SEVEN HILLS, OHIO</p>	
	<p>TTL PROJECT NO. 7668.01</p>	



1.3 Purpose and Need

The purpose of the Proposed Action is to reduce fossil fuel-based energy consumption and to increase the use of renewable energy sources at the San Francisco VAMC. This would be achieved through the installation and operation of GSHP systems at the VAMC.

The proposed GSHP systems, located on the 29-acre VAMC campus, are needed to assist VA in complying with the requirements of the Energy Policy Act of 2005 at the VAMC. The proposed GSHP systems would provide a substantial source of onsite renewable (i.e., geothermal) energy for the VAMC. This would contribute to VA's achievement of the goal set forth by the Act of having 5 percent of VA's total energy consumption come from renewable sources during FYs 2010 through FY 2012 and 7.5 percent thereafter.

1.4 Environmental Assessment Process

This EA has been prepared to identify, analyze, and document the potential physical, environmental, cultural, and socioeconomic effects associated with VA's Proposed Action of installing GSHP systems at the San Francisco VAMC.

VA, as a Federal agency, is required to incorporate environmental considerations into their decision-making process for the actions they propose to undertake. This is done in accordance with the National Environmental Policy Act of 1969 ([NEPA]; 42 United States Code [USC] 4321 *et seq.*), the Council on Environmental Quality (CEQ) Regulations Implementing the Procedural Provisions of NEPA (40 Code of Federal Regulations [CFR] Parts 1500-1508), and 38 CFR Part 26 (*Environmental Effects of the Department of Veterans Affairs Actions*).

In accordance with the above regulations, VA has prepared this EA. This EA allows for public input into the Federal decision-making process; provides Federal decision-makers with an understanding of potential environmental effects of their decisions, before making these decisions; and documents the NEPA process.

Ultimately, VA will decide, in part based on the analysis presented in this EA, and after having taken potential physical, environmental, cultural, and socioeconomic effects into account, whether VA should implement the Proposed Action and, as appropriate, carry out measures to reduce effects on the environment.

1.5 Public Involvement and Agency Coordination

VA invites public participation in decision-making on new proposals through the NEPA process. Public participation with respect to decision-making on the Proposed Action is guided by 38 CFR Part 26, VA's policy for implementing the NEPA. Additional guidance is provided in VA's Environmental Compliance Manual (VA 1998).

Consideration of the views and information of all interested persons promotes open communication and enables better Federal decision-making. Agencies, organizations, and members of the public with a potential interest in the Proposed Action, including minority, low-income, and disadvantaged persons, are urged to participate. A record of public involvement and agency coordination associated with this EA is provided in Appendix A.

1.5.1 Public Review

VA, as the Federal proponent of the Proposed Action, published and distributed the Draft EA for a 30-day public comment period, as announced by a Notice of Availability (NOA) published in *The San Francisco Chronicle*, a local newspaper of general circulation, on September 4, 2011 (see [Appendix E](#)). This 30-day public comment period extended from September 4 through October 4, 2011. VA also made a copy of the Draft EA available for public review at San Francisco Public Library (Anza Branch) and at the San Francisco VAMC during this period. VA additionally provided copies of the Draft EA to the: California State Clearinghouse, San Francisco Department of Environmental Regulation and Management, Law Offices of Sharon E. Duggan, Golden Gate National Recreation Area, San Francisco Fire Department, and San Francisco Planning Department.

To ensure all interested parties had sufficient time to review and comment on the Draft EA, VA extended the Draft EA public comment period to 60 days. This public review and comment period concluded on November 4, 2011.

During the 60-day public review and comment period on the Draft EA, VA received no substantive comments (VA 2011). Therefore, a FONSI is the appropriate decision document, per the specified regulations.

VA received a single comment response on the Draft EA from the California Coastal Commission (CCC) (see [Appendix E](#)):

- ✓ The CCC stated that the coastal zone boundary identified in the Draft EA was not accurate. The CCC provided a detailed map of the current coastal zone boundary in the vicinity of the San Francisco VAMC and indicated that the approximate western half of the San Francisco VAMC is included in the designated California coastal zone. The CCC also stated that activities associated with the Proposed Action appear to be located within already developed areas of the San Francisco VAMC and effects to the designated coastal zone are not anticipated.

The correct coastal zone boundary is now depicted in this Final EA (see [Figure 8](#)). VA has determined that the proposed work in the designated coastal zone would be consistent with the Coastal Zone Management Act (CZMA) and would not result in an adverse effect to the California coastal zone (see Section 4.6).

- ✓ The CCC stated that VA is aware of nearby landslide areas and that the Proposed Action would not increase geologic instability.

This Final EA concludes that implementation of the Preferred Action Alternative would result in no adverse effects to onsite geology, topography, or soils (see Section 4.7). The proposed locations for the boring fields under the Preferred Action Alternative currently serve mostly as parking lots or other forms of paved roadway. Unpaved areas that would be affected by the Preferred Action Alternative have been disturbed to the point where they no longer retain natural surface soil features. Drilling borings would have no additional substantial effect. No changes to topography or soils are proposed. All areas would be restored to pre-project conditions following construction.

- ✓ The CCC indicated that the San Francisco VAMC has known issues associated with parking shortages. The CCC recommended that VA prepare a Parking Management Plan and provide a copy of that plan to the CCC for review and comment.

VA has a San Francisco VAMC Parking Committee that stringently manages onsite parking activities and issues. As part of the Proposed Action, the Contractor would be required to submit a construction schedule and identify construction activities that would result in a reduction of vehicular parking during construction. The Parking Committee would review these data and require corrective measures to appropriately manage onsite parking issues during construction. In addition, this Final EA has concluded that parking effects are anticipated to be less-than-significant and short term (see Sections 4.13 and 5.4). As such, VA does not intend to prepare a formal Parking Management Plan.

1.5.2 Agency Coordination

Interagency and Intergovernmental Coordination for Environmental Planning (IICEP) is a federally mandated process for informing and coordinating with other governmental agencies regarding Federal Proposed Actions. CEQ Regulations require intergovernmental notifications prior to making any detailed statement of environmental impacts.

Through the IICEP process, VA notifies relevant Federal, State, and local agencies and allows them sufficient time to make known their environmental concerns specific to a Proposed Action. Comments and concerns submitted by these agencies during the IICEP process are subsequently incorporated into the analysis of potential environmental effects conducted as part of the EA. This coordination fulfills requirements under Executive Order (EO) 12372 (superseded by EO 12416, and subsequently supplemented by EO 13132), which requires Federal agencies to cooperate with and consider state and local views in implementing a Federal proposal. It also constitutes the IICEP process for this EA.

As part of the preparation of this EA, VA consulted with the following agencies: the US Fish and Wildlife Service (USFWS), US Environmental Protection Agency (USEPA), US Army Corps of Engineers (USACE), Bureau of Land Management (BLM), California Department of Conservation (various divisions), California Environmental Protection Agency (various divisions), California Department of Toxic Substances Control, California Department of Fish and Game, California Department of Transportation, California Office of Historic Preservation (i.e., State Historic Preservation Office, or SHPO), California Association of Resource Conservation Districts, California Resources Agency, Natural Resource Conservation Service (NRCS), and various departments within the City of San Francisco. Agency information and comments have been incorporated into this EA. Copies of relevant correspondence can be found in [Appendix A](#).

VA received responses from four agencies identifying concerns or issues associated with the Proposed Action, summarized as follows:

- A response from the **USEPA** on 8 August 2011 identified that the USEPA has twenty working days to respond and will respond in the near future. No subsequent response has been received from the USEPA.
- The **USACE** stated that no known jurisdictional "Waters of the of US" are present at the San Francisco VAMC; therefore, the USACE has no jurisdiction or comments regarding the Proposed Action.
- A response from the **California Department of Conservation, Division of Oil, Gas, & Geothermal Resources (DOGGR)** indicated that this agency is mandated under Section 3106 of the Public Resources Code to supervise the drilling, operation, maintenance, and plugging/abandonment of oil and gas wells for non-Federal projects. However, the DOGGR stated that it has no authority over the Proposed Action and did not provide any comments.

The DOGGR stated that no active or abandoned oil or gas wells are known to occur within the proposed project area.

- A response from the **San Francisco Department of Public Works (SFDPW)** indicated that the San Francisco VAMC is surrounded by the Golden Gate National Recreation Area. The SFDPW stated that the general soil conditions in the vicinity of the SF VAMC include San Franciscan Melange and may contain serpentinite. The SFDPW recommended that a detailed soils report be prepared to understand the interaction between the Proposed Action and the surrounding soil conditions.
- A response from the **San Francisco Department of Public Health (SFDPH)** indicated that it has no authority over Federal projects (including the Proposed Action) and did not provide any comments.
- The **CCC** provided a comment response on the Draft EA on September 13, 2011. Please refer to [Appendix E](#) and Section 1.5.1 for more information.

Data contained in these responses have been included and addressed within this EA, as and where appropriate.

1.6 Statutes and Regulations

This EA has been prepared under the provisions of, and in accordance with, the NEPA, the CEQ Regulations Implementing the Procedural Provisions of NEPA, and 38 CFR Part 26. In addition, the EA has been prepared as prescribed in VA's Environmental Compliance Manual (VA 1998). Federal, State, and local laws and regulations specifically applicable to this Proposed Action are specified, where appropriate, within this EA, and include:

- ✓ Migratory Bird Treaty Act (16 USC 703-712, 3 July 1918; as amended 1936, 1960, 1968, 1969, 1974, 1978, 1986, and 1989).
- ✓ Federal Clean Air Act of 1990 (42 USC 7401 *et seq.*, as amended).
- ✓ NHPA of 1966, as amended (36 CFR Part 800).
- ✓ EO 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (11 February 1994).
- ✓ EO 13045, Protection of Children From Environmental Health Risks and Safety Risks (21 April 1997), as amended by EO 13296 (23 April 2003).
- ✓ Coastal Zone Management Act of 1990.
- ✓ Local Noise Ordinance (Article 29, Section 2907 of the San Francisco Police Code).
- ✓ San Francisco Stormwater Design Guidelines (City of San Francisco 2009).
- ✓ California Laws for Conservation of Geothermal Resources (2011).

SECTION 2: DESCRIPTION OF THE PROPOSED ACTION AND ALTERNATIVES

2.1 Introduction

This Section provides the reader with necessary information on the Proposed Action and its alternatives, including those that VA initially considered, but eliminated, and the reasons for eliminating them. The screening criteria and process developed and applied by VA to hone the number of reasonable alternatives are described, providing the reader with an understanding of VA's rationale in ultimately retaining for analysis one reasonable action alternative that meets VA's purpose of and need for the Proposed Action.

2.2 Proposed Action

VA's Proposed Action is to install and operate suitable, appropriately sized and engineered GSHP systems in, and associated with, up to eight buildings at the San Francisco VAMC. All Proposed Action components would be located within the 29-acre VAMC; no work outside of the boundaries of the VAMC is proposed. As most facilities within the VAMC operate 24 hours per day, 7 days per week, the GSHP systems would provide constant energy to the VAMC.

Based on the *2010 Final Renewable Energy Feasibility Study Report for Direct Geothermal/Ground Source Heat Pump Applications* conducted by VA for the San Francisco VAMC, direct geothermal heating is not viable for the VAMC because adequate geothermal heat sources do not exist on the site. However, this study identified that GSHP geothermal systems are viable for the VAMC. GSHP geothermal systems function by transferring heat between the steady temperature of the earth (approximately 57° F in the VAMC area) and site buildings. The earth's stable temperature provides a source of heating during the winter and a means to reject excess heat (cooling) in the summer. The heat transfer occurs via circulating a fluid (i.e., typically water) between a loop of pipe buried in the ground and a heat pump at or in the building. The VA considered three GSHP system configurations for installation at the VAMC: closed-loop; open-loop; and standing column well ground heat exchange systems. Each of these systems is described below.

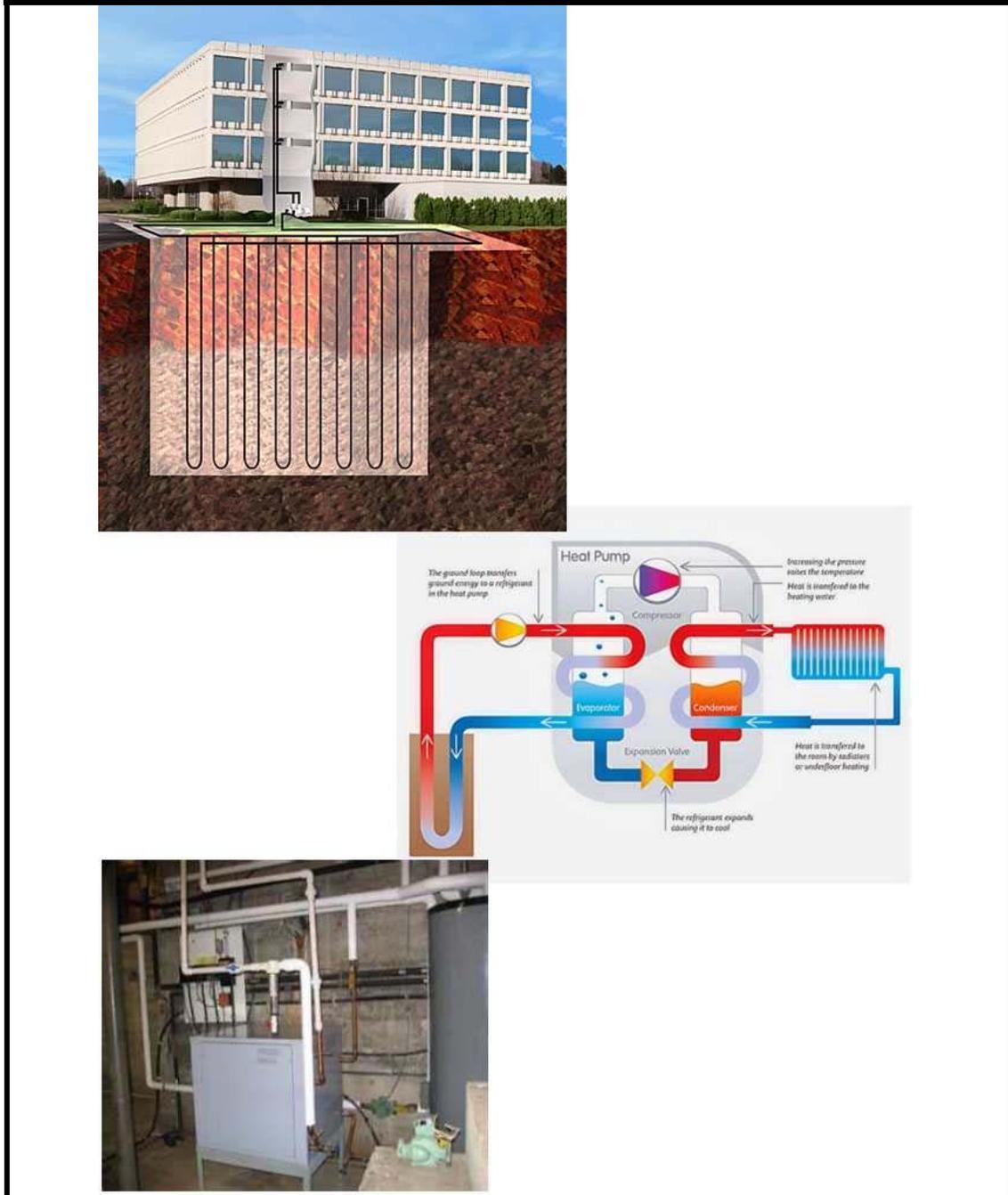
In a **closed-loop system**, a borehole (approximately 6 inches in diameter) is drilled to a depth of 150 to 500 feet below ground surface (bgs). A U-shaped loop of 1.25-inch diameter high-density polyethylene (HDPE) pipe is placed into the borehole and is used to circulate water throughout the sealed (closed) system. Grout is used to fill any unoccupied space within the borehole (i.e., between the HDPE pipe and the borehole wall) to limit water penetration and to stabilize the HDPE piping (Alares 2010). Borings are located in groups with each boring typically spaced 20 feet apart; the number of borings/groups required per structure depends upon the type and size of the structure served. System water is continually pumped through the pipe along the geothermal gradient existing between the ground surface (i.e., specifically a heat exchanger installed adjacent to a structure's exterior wall) and the borehole. This water, via the heat exchanger, heats the building in the winter and cools the building in the summer. Each structure requires a separate closed-loop system. As the system is sealed, no water escapes and no interaction with groundwater occurs. The system design merely provides a means for thermal (temperature) contact between the HDPE pipe and the surrounding soil/rock (see [Figure 4](#)).

An **open-loop system** draws groundwater from wells installed into the subsurface aquifer and transfers this water to a heat exchanger installed adjacent to or within the structure. Unlike the closed-loop system, the system is not sealed and "used" water is either discharged to a proximate surface water body or injected back into the aquifer. Discharging the used water is the "simpler" method, as this method only requires extending piping to the desired discharge point. However, this method could result in effects to the receiving water body. The re-injection method replenishes the used groundwater, thereby helping to sustain the amount of groundwater available and reducing the risk of a potential draw down. However, this method could result in groundwater quality effects. Depending upon the accessibility and availability of groundwater and the method of water discharge, an open-loop system can have the lowest initial cost of available GSHP technologies (Alares 2010). An open-loop system is illustrated on [Figure 5](#).

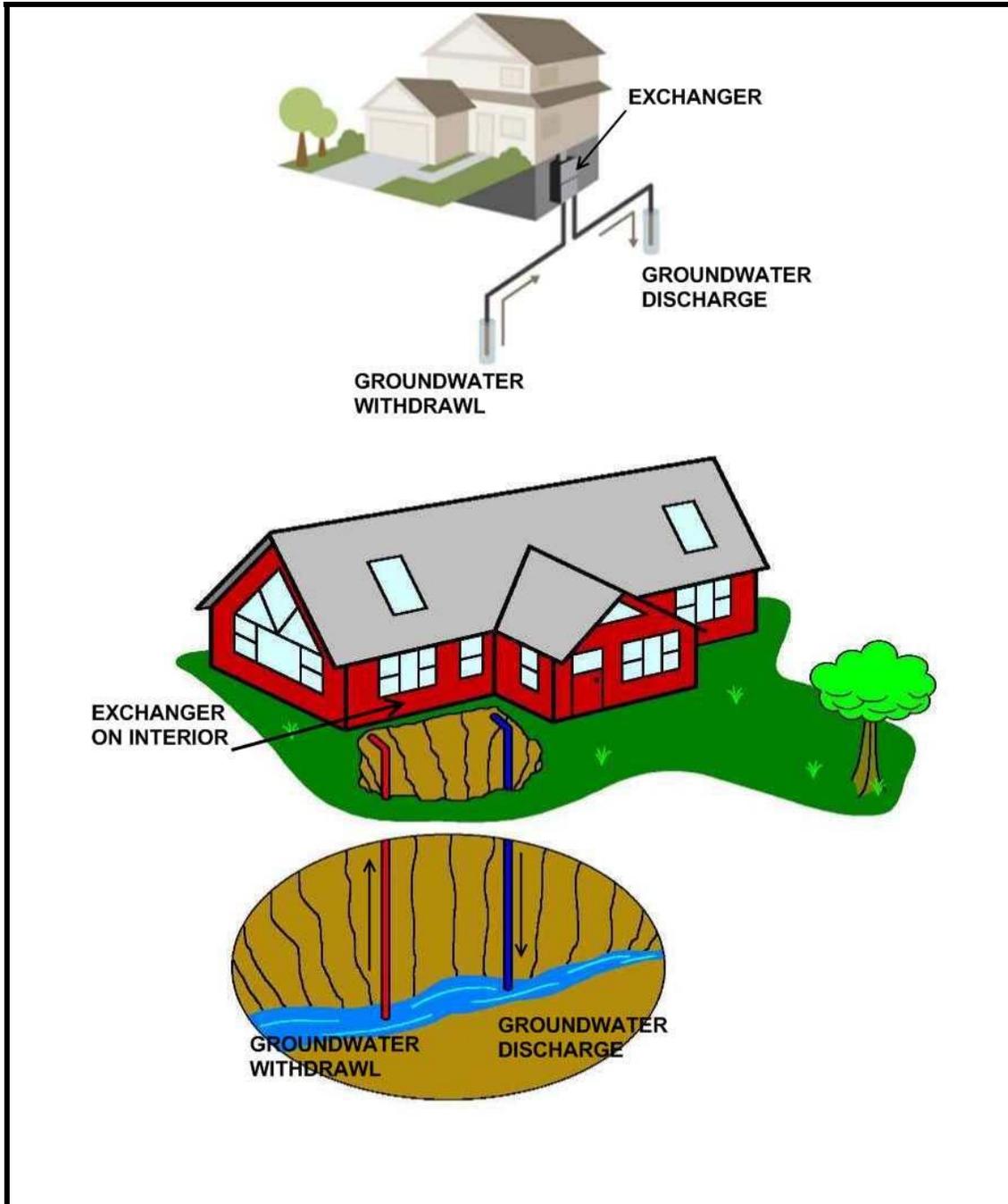
In a **standing column well ground heat exchange system**, fewer, deeper wells (i.e., extending to up to 1,500 feet bgs; as compared to the other GSHP systems) are placed approximately 75 feet apart. This system is a variant of the open-loop system, meaning that groundwater is pumped from the local aquifer, travels the length of the well along a geothermal gradient, transfers heat to or from the building, and then is re-injected into the top of the standing column well. The greater depth of these wells provides a greater geothermal gradient and causes the groundwater to circulate. By "bleeding", or extracting, approximately 10% of the used groundwater, the heat exchange capacity of the well can be increased. This key system feature, however, reduces groundwater quantity and results in a surface water discharge (Alares 2010). A standing column well system is illustrated on [Figure 6](#).

With any of the three potential GSHP system configurations, construction would include the drilling the borings/wells, installing piping, installing system components within and adjacent to each involved building, and restoring the construction site to pre-project conditions. VA anticipates only minor modifications to each involved structure, generally within each structure's mechanical room(s).

GSHP systems, once installed, are estimated to be operational over a period of approximately 50 years from the date of installation (i.e., the anticipated life-span of the HDPE piping, if properly and routinely maintained). At the end of each system's operational life, VA would properly remove and dispose of system components and would seal and cap each boring/well in accordance with state requirements applicable at the time of closure.



<p align="center">FIGURE 4 REPRESENTATIVE SCHEMATIC OF A CLOSED-LOOP SYSTEM</p> <p align="center">ENVIRONMENTAL ASSESSMENT PROPOSED GROUND SOURCE HEAT PUMP SYSTEMS SAN FRANCISCO VAMC 4150 CLEMENT STREET SAN FRANCISCO, CALIFORNIA</p>	<p align="center">PREPARED FOR U.S. DEPARTMENT OF VETERANS AFFAIRS SEVEN HILLS, OHIO</p>	
	<p align="center">TTL PROJECT NO. 7668.01</p>	



**FIGURE 5
REPRESENTATIVE SCHEMATIC OF A
OPEN-LOOP SYSTEM**

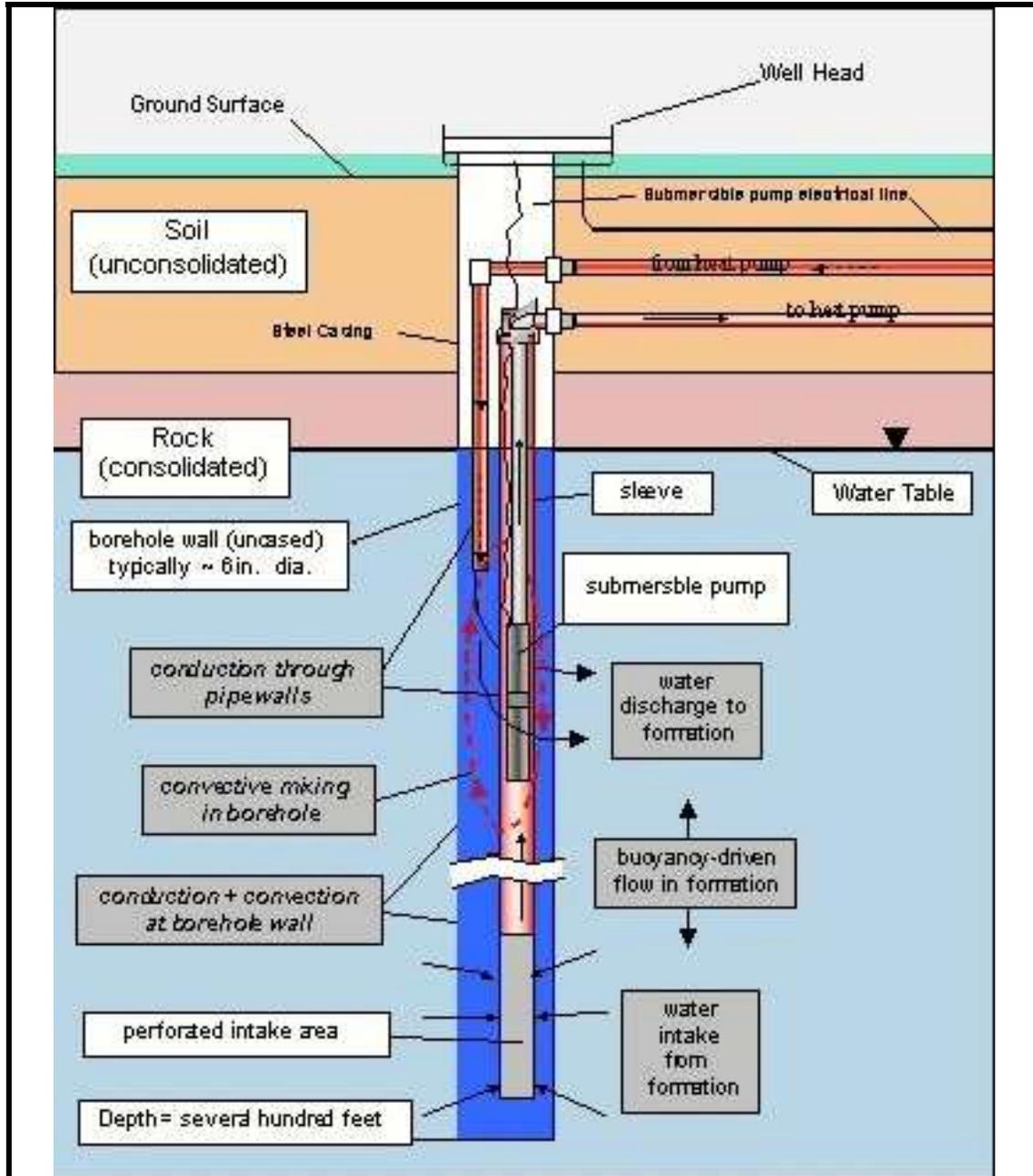
ENVIRONMENTAL ASSESSMENT
PROPOSED GROUND SOURCE HEAT PUMP
SYSTEMS
SAN FRANCISCO VAMC
4150 CLEMENT STREET
SAN FRANCISCO, CALIFORNIA

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**FIGURE 6
REPRESENTATIVE SCHEMATIC OF A
STANDING COLUMN WELLS SYSTEM**

ENVIRONMENTAL ASSESSMENT
PROPOSED GROUND SOURCE HEAT PUMP SYSTEMS
SAN FRANCISCO VAMC
4150 CLEMENT STREET
SAN FRANCISCO, CALIFORNIA

PREPARED FOR
**U.S. DEPARTMENT OF VETERANS AFFAIRS
SEVEN HILLS, OHIO**

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2.3 Alternatives Considered

The NEPA, CEQ Regulations, and 38 CFR Part 26 require all reasonable alternatives to be rigorously explored and objectively evaluated. Alternatives that are eliminated from detailed study must be identified along with a brief discussion of the reasons for eliminating them. For purposes of analysis, an alternative was considered “reasonable” only if it would enable VA to accomplish the primary mission of providing a substantial renewable energy source (i.e., GSHP systems) at the VAMC that meets the purpose of and need for the Proposed Action. “Unreasonable” alternatives would not enable VA to meet the purpose of and need for the Proposed Action.

2.3.1 Alternatives Development (Screening Criteria)

As part of a broad initiative by VA to assess the potential for renewable energy systems at VAMCs across the US (i.e., to meet the Energy Policy Act of 2005 requirements), VA identified the San Francisco VAMC as a viable candidate for new GSHP systems. This VAMC was also identified as a candidate for other potential renewable energy systems, such as solar and wind. The potential to install photovoltaic (PV) arrays (i.e., solar energy systems) on buildings at the San Francisco VAMC was evaluated in a separate feasibility study and Final EA (AMEC 2011). VA plans to install these PV systems at the VAMC in the near future, in accordance with the findings of that Final EA. However, the PV systems will not completely meet the requirements of the Energy Policy Act at the VAMC. Therefore, VA considered installing and operating wind turbines at the VAMC. However, VA rejected this renewable energy generation method due to public concerns regarding potential aesthetics and visual resource effects. VA did not consider offsite locations for the proposed wind turbines, as these would not maximize the credits under the Energy Policy Act (see Section 1.1). Finally, VA briefly considered an onsite biomass combustion plant, but quickly dismissed this option due to the potential for increased air emissions and the need to transport fuel stock (e.g., wood chips) to the VAMC. Such transportation would affect traffic in the area.

With geothermal energy remaining the only renewable energy resource reasonably available, VA conducted a *Final Renewable Energy Feasibility Study Report for Direct Geothermal/ Ground Source Heat Pump Applications* at the San Francisco VAMC in 2010. This feasibility study specifically analyzed the viability of installing various types of geothermal systems at each proposed candidate building at the VAMC (Alares 2010). As part of the feasibility study, VA identified site-specific geothermal issues, constraints, opportunities, and options. This feasibility study identified and applied site-specific screening criteria to narrow the number of technically and economically reasonable onsite locations and geothermal system types at the VAMC.

Through this feasibility study, VA identified a total of eight VAMC buildings (six existing and two planned) potentially suitable for installation of new GSHP systems. These buildings (and proposed GSHP system locations) are identified in [Figure 3](#) and described in Section 2.3.2 (Alares 2010). In addition, the feasibility study identified that different types/models of heat exchange systems could be installed at each location. Closed-loop and standing column well systems were considered. Following the completion of the feasibility study, VA further screened the eight identified potential GSHP system locations and methods based on environmental criteria.

The following provides additional description of VA's technical, economic, and environmental *screening criteria*:

- **Local geothermal considerations:** The GSHP systems should be located in areas of sufficient geothermal gradient to support a sufficient heat exchange system. The local geology should also be appropriate (from a cost and physical ability perspective) for drilling required wells.

- **Aesthetics**: Local citizens have expressed concern regarding potential effects to the visual resources of the local viewshed. The proposed GSHP system(s) should be located in areas where views from neighboring properties are limited.
- **Water resources**: Local citizens have expressed concern regarding potential effects to local water resources, including groundwater resources and the San Francisco Bay, located to the north of the VAMC. The proposed GSHP system(s) should avoid affecting or altering local water resources to the greatest extent possible.
- **Economic considerations**: The proposed GSHP systems should be installed in buildings requiring new heating, ventilation, and cooling (HVAC) systems. The proposed systems should consume less energy and be more efficient than existing systems, allowing VA to reduce energy costs to the maximum extent possible. The cost of retrofitting the existing HVAC system with a new GSHP system should be less than the cost of maintaining the existing system over the long-term.
- **Available land**: The GSHP system requires land to install borings and wells. More land is required for a closed-loop system than for a standing column well system. Sufficient land should be available to install the system proposed.
- **Environmental considerations**: The location proposed for installing each GSHP system must have few environmental concerns, such as geotechnical concerns, cultural or biological concerns, or other regulated environmental resource. The site should also be level and accessible in order to facilitate boring/well installation.

Through this process, VA identified only one reasonable Action Alternative (the Preferred Action Alternative) for installing GSHP systems within the boundaries of the VAMC. The Preferred Action Alternative includes the installation of closed-loop GSHP systems at eight locations at the VAMC as described in Section 2.3.2. All of the other evaluated alternatives failed to meet VA's screening criteria. [Table 1](#) presents a summary of VA's comparison of each of the considered alternatives, as well as the No Action Alternative, against each of the screening criteria. The use of a combination of closed-loop and standing column well systems, while technically and economically feasible, did not meet the screening criteria for the protection of water resources due to the discharge to groundwater and/or surface water associated with standing column wells. Therefore, only closed-loop systems, which do not extract or inject groundwater, were considered.

	Install Closed-Loop Systems in 8 VAMC Buildings (Preferred Action Alternative)	Install a Combination of Closed-Loop and Standing Column Systems in 8 Buildings	No Action Alternative
Local Geothermal Considerations	Y	Y	N/A
Aesthetics	Y	Y	Y
Water Resources	Y	N	Y
Economic Considerations	Y	Y	Y
Available Land	Y	Y	NA
Environmental Considerations	Y	Y	Y
Contributes to Renewable Energy Goals	Y	Y	N
REASONABLE?	Y	N	N

Key:

- Y** = Alternative meets criterion/is "reasonable" based on initial screening.
N = Alternative does not meet criterion/is not "reasonable" based on initial screening.
N/A = Criterion is not applicable to this alternative.

2.3.2 Evaluated Alternatives**2.3.2.1 Preferred Action Alternative**

As identified in Section 2.3.1, to be economically feasible, the proposed GSHP systems would be installed at existing VAMC buildings that have outdated and/or less-efficient HVAC systems. Under the Preferred Action Alternative, eight VAMC buildings met all of VA's screening criteria (six existing and two proposed new buildings), including requiring new or improved HVAC systems. VA selected closed-loop systems at each building to reduce the potential for effects to local groundwater and surface water resources, as described in Section 2.3.1.

Based on the financial analysis conducted as part of the 2010 feasibility study, installation of closed-loop GSHP systems at the following buildings would result in a net savings of over \$2.25 million in energy costs over the systems' operational life, with a simple pay back of under 15 years. This represents approximately 4% of the VAMC's energy consumption (Alares 2010):

Building 8 – Offices/Clinics: This 16,600–square foot, 3-story structure contains staff clinics, doctors' offices, and research facilities and is located in the eastern portion of the VAMC campus. The current heating system consists of a gas-fired boiler of unknown age and radiators in each office area. Staff members currently note the inefficient and insufficient performance of the existing system.

Building 9 – Residence: This concrete structure, comprised of two stories and a basement, serves as an overnight residence for VAMC patients and is located in the northeastern portion of the VAMC campus. The building is currently heated by a 20-year old, gas-fired hot water boiler and fin tube radiation system. Building 9 was part of the original VAMC campus.

Building 10 – Residence: Also part of the original campus, this structure is comprised of two stories and a basement and is located in the northeastern portion of the VAMC campus. Building 10 currently serves as an overnight residence for VAMC patients. The building is currently heated by a 20-year old, gas-fired hot water boiler and fin tube radiation system.

Building 203 – Main Hospital: This 237,000–square foot, 5-story building serves as the main hospital at the VAMC campus and is located in the south-central portion of the campus. The campus steam supply is provided by a central boiler plant within Building 203's sub-basement. A Trane central steam absorption chiller provides chilled water, but has a limited capacity and is inefficient due to requiring steam for the chilling process. A total of 11 central air handler units throughout the building are in varying degrees of operation, resulting in indoor air quality concerns (Alares 2010). An HVAC study conducted in 2009 reported the following for Building 203:

- ✓ The hospital lacks redundancy for the HVAC systems.
- ✓ The existing cooling systems lack capacity to accommodate any sizable improvement project.
- ✓ The central air handling units are in poor physical condition. Interior walls are covered in rust. Pre-heat coils are severely deteriorated. Pre-filter racks are warped and corroded.

- ✓ Exhaust fans servicing existing patient rooms and staff restroom areas do not provide adequate ventilation.
- ✓ Moisture is being entrained at the intake louver of the air handling units and saturates the pre-filters. The damp pre-filters are prime incubators for mold growth.
- ✓ Air leakage in both supply mains and distribution ducts are widespread throughout the building and contribute to increased operating expenses.
- ✓ Building pressurization problems are commonplace and are attributed to limitations in functional system controls.
- ✓ The building automation system (BAS) is a combination of direct digital controls and deficient original pneumatic controls. Controls at the zone level are mostly pneumatic and do not provide suitable temperature control (Affiliated Engineers, Inc. 2009).

Building 208 – Nursing Home: This 50,000-square foot, 3-story facility provides offices, clinical space, and mechanical space for a nursing home facility and is located in the southwestern portion of the VAMC campus. The patient areas require 100% outside air, currently provided by two air handling units. A variable air volume reheat system and an air-cooled chiller (that leaks refrigerant and has corroded condenser fins) comprise the remainder of the existing HVAC system.

Building 210 – Regional Counsel/Administration: Building 210 is located in the north-central portion of the VAMC campus and is used for offices. A single central air handler serves this structure, but is corroded and rusty. An outdoor direct exchange air-cooled chiller, also corroded and leaking Freon, cools the structure. There are indoor air quality concerns due to the economizer damper arranging assembly being rusted shut (Alares 2010).

In addition to the six existing buildings discussed above, the feasibility study identified two planned new buildings as potential candidates for GSHP systems. The economic feasibility of GSHP systems for these structures would be further evaluated once the building designs are completed. These planned new buildings are:

Building 16 Addition: Building 16 is a 3,600-square foot, single-story office building used for VAMC administration and is located in the southwestern portion of the VAMC campus. VA plans to construct a new building/addition next to Building 16 that would require a new HVAC system.

Building 22: Building 22 is a planned approximately 10,000 square foot structure that would be constructed in the northeastern portion of the VAMC campus, near existing Building 10. Building 22 would require a new HVAC system.

Under the Preferred Action Alternative, each of the eight VAMC structures described above would be fitted or retrofitted with a closed-loop GSHP system. The systems would be installed as shown in [Figure 3](#) and described in Section 2.2.

Up to 5 acres (see [Figure 3](#), L1 through L13) within the VAMC boundaries would be affected by installation of proposed borings and associated GSHP system components. Each GSHP system would include a small, approximately 4' by 8' structure (i.e., similar to a storage shed) adjacent to each serviced building to house GSHP equipment (i.e., the heat pump). Each small structure would be designed to blend with the existing architecture of the VAMC campus. Each GSHP system would be properly designed and engineered based on the specific requirements of each building. The

number and depth of borings would be determined through this engineering design process. Borings would be located as shown in [Figure 3](#).

2.3.2.2 No Action Alternative

Under the No Action Alternative, GSHP systems would not be installed or operated at the San Francisco VAMC. The VAMC would continue to rely on traditional, fossil-fuel based energy sources, and would utilize renewable energy sources (i.e., PV systems) at levels inadequate to meet the guidelines set forth in the Energy Policy Act. As existing HVAC systems at the VAMC fail, these systems would be replaced with traditional systems as part of ongoing site operations and maintenance activities.

While the No Action Alternative would not satisfy the purpose of or need for the Proposed Action, this alternative was retained to provide a comparative baseline against which to analyze the effects of the Proposed Action, as required under the CEQ Regulations (40 CFR Part 1502.14). The No Action Alternative reflects the *status quo* and serves as a benchmark against which the effects of the Proposed Action can be evaluated.

2.3.3 Alternatives Eliminated From Detailed Consideration

As described in Section 2.3.1, VA eliminated alternative sites and GSHP systems through the screening process. Each of the initially considered sites and systems, with the exception of those included in the Preferred Action Alternative, failed to meet the required screening criteria. As such, these other alternatives were eliminated from further consideration.

As shown in [Table 1](#), VA eliminated from consideration the installation of GSHP systems with standing column wells, originally considered viable in the 2010 feasibility study. VA determined that standing column wells, which include the extracting and reinjection of groundwater and the possible discharge of groundwater to surface water did not meet the screening criteria for the protection of water resources.

SECTION 3: AFFECTED ENVIRONMENT

3.1 Introduction

This Section describes the baseline (existing) physical, environmental, cultural, and socioeconomic conditions at the VAMC in the City of San Francisco, San Francisco County, California (i.e., the Site; see [Figures 1, 2, and 3](#)) and its general vicinity, with emphasis on those resources potentially affected by the Proposed Action. [Appendix B](#) provides photographs, with captions, of the Site and its vicinity. Section 4 describes the potential direct, indirect, and cumulative effects of implementing each of the considered alternatives on this environment.

3.1.1 Aesthetics

The VAMC is located within the City of San Francisco, approximately 0.25-mile south of South Bay, the waterway that connects San Francisco Bay with the Pacific Ocean. The local topography decreases dramatically between the VAMC and the water, providing patients, staff, and neighbors with impressive views. The Golden Gate Bridge is located approximately 2.3 miles northeast from the VAMC and is visible to a visitor of the VAMC.

The VAMC is bounded by the Golden Gate National Recreation Area to the west, north, and east and the city and county-owned Lincoln Park farther to the east. The area around the Site consists of comparatively undeveloped wooded land and the Lincoln Park Golf Course. The only significant structure within Lincoln Park is the California Palace of the Legion of Honor, a fine arts museum constructed in 1924 and dedicated to the 3,600 California men who died in France during World War I (<http://legionofhonor.famsf.org/about/history-legion-honor>). This structure is located approximately 0.1-mile to the northeast of the Site. The only significant structure in the Golden Gate National Recreation Area that is near the Site is West Fort Miley, located adjoining to the west of the site. The remnants of West Fort Miley include a series of concrete bunkers currently used for storage by the National Park Service.

The southern border of the Site abuts the residential neighborhood of the Outer Richmond District. Residents have clear views of VAMC facilities.

The original structures of the VAMC were constructed in 1934 on 29 acres in the center of Fort Miley. Each building was designed in the "Mayan Deco" style, chosen due to its popularity in California during that time and in an effort to make the San Francisco VAMC unique among VA facilities (<http://www.outsidelands.org/fort-miley-va-ctr2.php>). These structures, located mostly in the north-central and eastern portions of the San Francisco VAMC campus, range in size from one- to five-stories. One of these five-story structures is Building 203, the VAMC's main hospital, and is visibly prominent throughout the Site. Over 30 structures are present at the VAMC (see [Figure 3](#)) (Alares 2010).

3.1.2 Air Quality

Ambient Air Quality

The ambient air quality in an area can be characterized in terms of whether or not it complies with the primary and secondary National Ambient Air Quality Standards (NAAQS). The Clean Air Act, as

amended (CAA and CAAA) requires the USEPA to set NAAQS for pollutants considered harmful to public health and the environment. NAAQS are provided for the following principal pollutants, called "criteria pollutants" (as listed under Section 108 of the CAA):

- Carbon monoxide (CO)
- Lead (Pb)
- Nitrogen oxides (NO_x)
- Ozone (O₃)
- Particulate matter (PM), divided into two size classes:
 - Aerodynamic size less than or equal to 10 micrometers (PM₁₀)
 - Aerodynamic size less than or equal to 2.5 micrometers (PM_{2.5})
- Sulfur dioxide (SO₂).

Areas are designated by the USEPA as "attainment", "non-attainment", "maintenance", or "unclassified" with respect to the NAAQS. Regions in compliance with the standards are designated as "attainment" areas. In areas where the applicable NAAQS are not being met, a "non-attainment" status is designated. Areas that have been classified as "non-attainment" but are now in compliance can be re-designated "maintenance" status if the state completes an air quality planning process for the area. Areas for which no monitoring data is available are designated as "unclassified," and are by default considered to be in attainment of the NAAQS.

The VAMC is located within the San Francisco Bay Area Air Basin (SFBAAB) and is subject to the state implementation plan (SIP) adopted by the Bay Area Air Quality Management District (BAAQMD) (<http://www.arb.ca.gov/research/aaqs/caaqs/caaqs.htm>). According to the USEPA, the SFBAAB is currently designated as a *non-attainment area* based on elevated levels of 1- and 8-hour O₃ levels. The USEPA currently classifies the SFBAAB as an *attainment area* for CO, Pb, NO_x, PM₁₀, PM_{2.5} and SO₂ (<http://www.epa.gov/oar/oaqps/greenbk>).

Operating Permits

The CAA regulates criteria pollutants as well as 187 specifically listed hazardous air pollutants (HAPs). The Title V Operating Permit Program under 40 CFR Part 70 requires sources that meet the definition of a "major source" of criteria pollutants or HAPs to apply for and obtain a Title V operating permit. A major source of HAPs has the potential to emit (PTE) more than 10 tons per year (tpy) of any individual HAP, or 25 tpy of any combination of HAPs. The definition of major source for criteria pollutants is dependent on the air quality attainment status of the region where the source is located (i.e., areas that are in attainment or non-attainment with the NAAQS). Major sources have a PTE more than 100 tpy of any criteria pollutant in an attainment area or lower levels in various classifications of non-attainment (i.e., marginal, moderate, serious, severe, and extreme).

While various sources of air emissions exist at the VAMC (e.g., from boilers, generators, or other minor equipment), these levels do not exceed regulatory emission thresholds and the VAMC does not have or require a Title V operating permit for the Site. Instead, the Site operates under a BAAQMD *Synthetic Minor Facilities Permit* (BAAQMD 2009).

State and Local Regulations

Division 3, Title 17 of the California Code of Regulations (CCR) empowers the California Air Resources Board (CARB) to enact rules pertaining to certain air pollutant emissions-generating activities. This regulation contains provisions to protect California's air quality through monitoring, inspection, permitting, and rules. The CARB finds that air pollution exists with varying degrees of severity within the state; and that such air pollution is potentially, and in some cases actually, dangerous to the health of the citizenry; often causes physical discomfort; can cause injury to property and property values; discourages recreational and other uses of the state's resources; and is aesthetically unappealing (California Department of Conservation 2011).

The CARB oversees a coordinated statewide program to control present and future sources of emissions of air contaminants and monitors the regulatory activity of the state's 35 local air districts (<http://www.arb.ca.gov/html/lawsregs.htm>). As identified above, the Site is located within the BAAQMD. For a complete list of rules and regulations specific to the Bay Area, please refer to: <http://www.baaqmd.gov/Divisions/Planning-and-Research/Rules-and-Regulations.aspx>.

Conformity with State Implementation Plans

The General Conformity Provision of the CAA of 1970 (42 USC 7401 *et seq.*; 40 CFR Parts 50-87) Section 176(c), including the USEPA's implementation mechanism, the General Conformity Rule (40 CFR Part 51, Subpart W), prohibits the Federal Government from conducting, supporting, or approving any actions that do not conform to a USEPA-approved SIP. A SIP is a state's self-authored blueprint for achieving and maintaining compliance with the goals of the CAA. Federal agencies prepare written Conformity Determinations for Federal actions in or affecting NAAQS non-attainment areas or maintenance areas when the total direct and indirect emissions of non-attainment pollutants (or their precursors) exceed specified thresholds. Conformity with the SIP is demonstrated if project emissions fall below threshold values.

Sensitive Receptors

Sensitive air quality receptors in the vicinity of the VAMC include local residential (multi-family) and recreational land uses surrounding the property (see [Figures 1 and 2](#)). The medical facilities within the VAMC, including a childcare facility and a nursing home, are also onsite sensitive receptors.

3.1.3 Community Services and Utilities

The VAMC is located within the San Francisco Unified School District. This school district encompasses the 49-square mile area of the City of San Francisco and San Francisco County, and includes 73 elementary schools, 13 middle schools, 19 high schools, 34 state-funded preschools, and nine charter schools (<http://www.sfusd.edu/en/about-sfusd/sfusd-profile.html>).

The San Francisco Recreation and Park Department oversees over 4,113 acres of land in 220 public parks, including Lincoln Park which borders the Site to the east (<http://sfrecpark.org/WhoWeAre.aspx>).

The City of San Francisco provides police protection, local road and bridge maintenance, fire protection, and emergency medical services to the VAMC and its vicinity.

Hospitals and other health care facilities are plentiful in the City of San Francisco. Major hospitals in San Francisco include the VAMC, Saint Francis Memorial Hospital, the University of California at San Francisco Medical Center and Children's Hospital, Kaiser Permanente Health Care Center, and Saint

Luke's Hospital. All of these facilities are located within 6 miles of the VAMC. The VAMC itself is part of the National Disaster Medical System (NDMS). The NDMS is a federally funded program that enables the VAMC to: (1) aid state and local authorities during major disasters; and (2) provide support to the military medical system during overseas conflicts (VA 2010).

The following identifies the utility providers to the VAMC:

- ✓ The **San Francisco Public Utilities Commission (SFPUC)** supplies potable water and municipal sewer service to the VAMC.
- ✓ **Pacific Gas & Electric** supplies electrical and natural gas service to the VAMC.
- ✓ **AT&T** provides telecommunication services, including telephone and internet, to the VAMC.

Under current conditions, the VAMC consumes approximately 212,699,000 kWh/year of electricity and 1,357,000 therms (thm)/year of natural gas, at a total cost to VA of approximately \$3.88 million/year (Alares 2010).

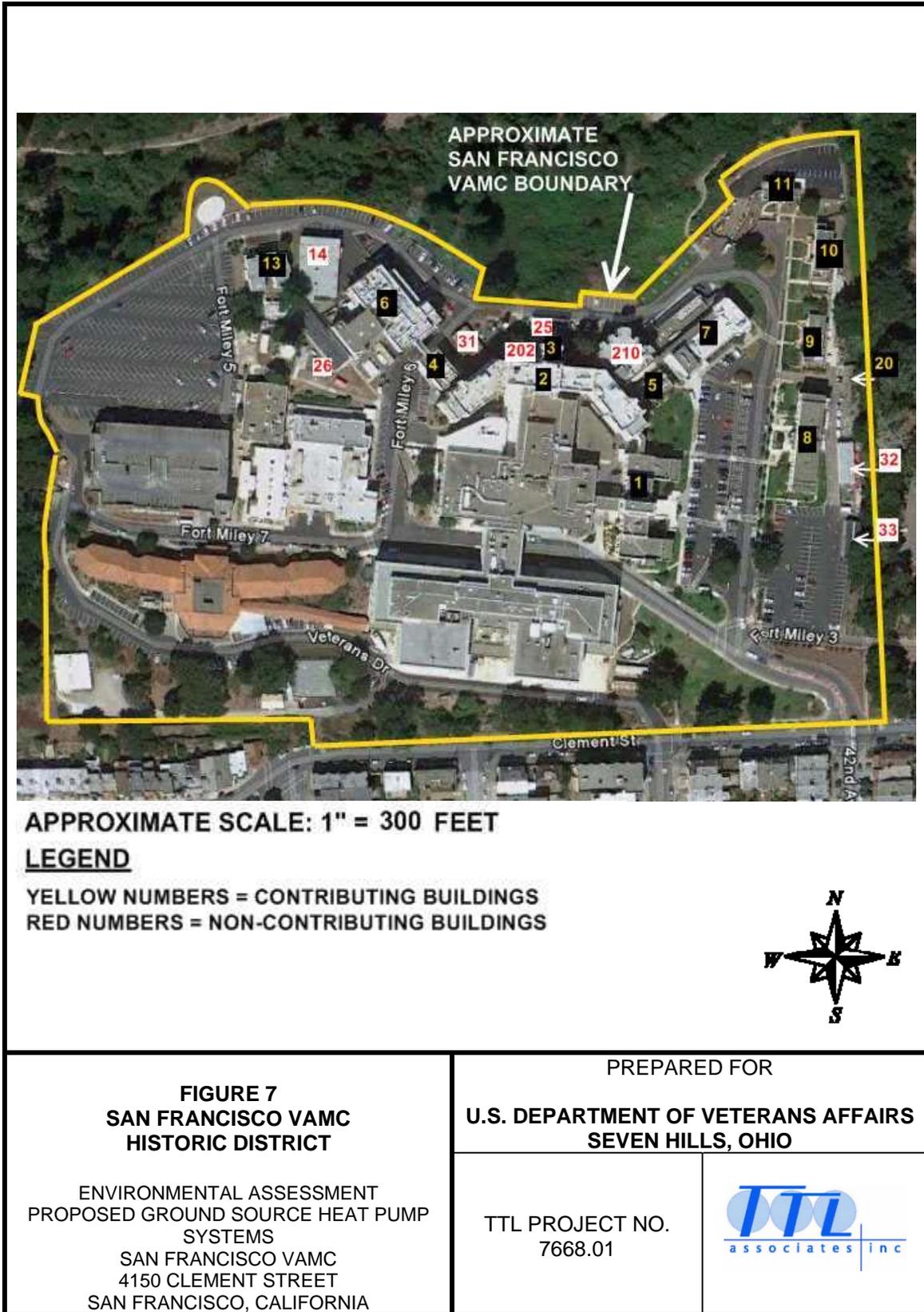
3.1.4 Cultural Resources

Cultural resources are the physical evidence of our heritage. Cultural resources are: historic properties as defined in the National Historic Preservation Act (NHPA), cultural items as defined in the Native American Graves Protection and Repatriation Act (NAGPRA), archeological resources as defined in the Archaeological Resources Protection Act (ARPA), sacred sites as defined in EO 13007 to which access is provided under the American Indian Religious Freedom Act (AIRFA), and collections as defined in 36 CFR Part 79, *Curation of Federally Owned and Administered Collections*. Requirements set forth in NEPA, NHPA, ARPA, NAGPRA, AIRFA, 36 CFR Part 79, EO 13007, and Presidential Memorandum on *Government-to-Government Relations with Native American Tribal Governments* define the basis of VA's compliance responsibilities for management of cultural resources. Regulations applicable to VA's management of cultural resources include those promulgated by the Advisory Council on Historic Preservation (ACHP) and the National Park Service (NPS).

Architectural and Archaeological Resources

The entire VAMC was declared eligible for the National Register of Historic Places (NRHP) and was listed on the NRHP as a Historic District in 1987. Additional development and improvement to the VAMC, however, altered the buildings to the point where they were longer eligible. The entire VAMC was, therefore, removed from the NRHP after the SHPO reviewed the conclusions of onsite studies conducted in 2001 and 2002 (Winzler & Kelly 2010).

Portions of the original VAMC campus still retain their original character and their historical significance. In 2009, these portions were again listed on the NRHP as a Historic District under the following criteria (Winzler & Kelly 2010; see [Figure 7](#)):



Criterion A (Event) – The original San Francisco VAMC represents one of the early standardized VA hospitals.

Criterion C (Design/Construction) – The original San Francisco VAMC retains its integrity as a very early example of a Federal building designed with seismic-resistance building technologies. These structures also serve as representative examples of Mayan Art Deco ornamentation.

The NRHP-listed VAMC Historic District is comprised of contributing and non-contributing structures. Buildings 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 18, 20, and 27 contribute to the Historic District, while Buildings 14, 25, 26, 31, 32, 33, 202, and 210 are present within the Historic District, but are listed as non-contributing structures (Winzler & Kelly 2010). Of these, Buildings 8, 9, 10, and 210 have been proposed for new GSHP systems under the Preferred Action Alternative. Buildings 8, 9, and 10 are contributing structures to the VAMC Historic District; Building 210 is a non-contributing structure located within the Historic District.

According to Environmental Data Resources, Inc. (EDR), the 275-acre Fort Miley is listed on the NRHP as a Historic District (EDR 2011). Fort Miley, established in 1902, deeded 29 acres to VA for the construction of the VAMC; the VAMC is located within the Fort Miley Historic District, and abuts the Fort Miley Historic District along the VAMC's western and eastern boundaries.

3.1.5 Floodplains, Wetlands, Watersheds, Rivers, Lakes, and Coastal Zones

Surface Waters and Wetlands

According to relevant United States Geological Survey (USGS) Topographic Maps (dated 1993) and aerial photographs reviewed during preparation of this EA, no natural ponds, creeks, streams, or other natural surface waters exist within the boundaries of the VAMC. No National Wetland Inventory (NWI) mapped wetlands or natural water features exist on the VAMC (EDR 2011). The most proximate surface water resources include the South Bay located approximately 0.25-mile north of the Site and palustrine wetlands located approximately 0.75-mile south of the Site (EDR 2011).

The USACE stated that no known jurisdictional "Waters of the US" are present at the San Francisco VAMC; therefore, the USACE had no jurisdiction or comments regarding the Proposed Action (see [Appendix A](#)).

Floodplains

Due to the Site's relatively high elevation compared to surrounding areas, the VAMC is not within any designated floodplain. According to available Federal Emergency Management Agency (FEMA) floodplain mapping, the VAMC is not located in the 100-year or 500-year floodplain (EDR 2011).

Coastal Zones

The Coastal Zone Management Act (CZMA) was promulgated to control nonpoint pollution sources that affect coastal water quality. The CZMA of 1990, as amended (16 USC 1451 *et seq.*) encourages states to preserve, protect, develop, and where possible, restore or enhance valuable natural coastal resources such as wetlands, floodplains, estuaries, beaches, dunes, barrier islands, and coral reefs, as well as the fish and wildlife using those habitats.

As shown in [Figure 8](#), the approximate western half of the VAMC falls within California's designated coastal zone. The California Coastal Commission (CCC) regulates shoreline development within 1,000 feet of the coast in the vicinity of the Site (CCC 2011).

As described in Section 1.5.1, the CCC provided a detailed map of the current coastal zone boundary in the vicinity of the San Francisco VAMC and indicated that the approximate western half of the San Francisco VAMC is included in the designated California coastal zone. The CCC also stated that activities associated with the Proposed Action appear to be located within already developed areas of the San Francisco VAMC and effects to the designated coastal zone are not anticipated. [Figure 8](#) has been updated with the CCC-provided coastal zone data.

3.1.6 Geology, Topography, and Soils

The VAMC is located in the northwestern portion of San Francisco County. A review of the Point Bonita, California USGS Topographic Quadrangle (dated 1993) indicates that surficial topography in the VAMC's vicinity generally slopes to the northwest. The average elevation at the Site is approximately 350 feet above mean sea level. The overall change in elevation on the Site is approximately 40 feet. Lands to the northwest are at lower elevations than the VAMC; lands to the southeast are higher than the VAMC; and lands to the east are at about the same elevation as the VAMC. The VAMC is depicted on the topographic map as being part of a developed Veterans Hospital Complex (see [Figure 8](#)).

Geology underlying the VAMC is generally comprised of the Franciscan Assemblage. This assemblage can be divided into three general "belts"; the San Francisco Bay Area (including the VAMC) falls within the Central Belt. The Central Belt is defined by a "jumble of rocks or a mélangé" consisting of isolated small blocks of greenstone, blue schist, eclogite, chert, or greywacke floating in a matrix of highly sheared mudstone (Hardin 1997). This weathered Franciscan bedrock is intermingled with Quaternary-age deposits (i.e., less than 2.6 million years old).

According to a Formation Thermal Conductivity Test Report, prepared by Alares and dated June 2010, a six-inch test soil boring was advanced in the northeastern portion of the San Francisco VAMC, north of Building 10 and east of Building 11. The test soil boring identified sand and gravel fill from ground surface to approximately 42 feet bgs; sandy clay with shale rock fragments from 42 feet bgs to 70 feet bgs; shale with clay from 70 feet bgs to 100 feet bgs; shale from 100 feet bgs to 170 feet bgs; and clay with shale fragments from 170 feet bgs to 203 feet bgs (termination of boring).

The VAMC is not located within an Earthquake Fault Zone, as defined by the Alquist-Priolo Earthquake Fault Zoning Act; no fault lines are mapped within the VAMC boundary (VA 2010). However, three minor fault lines occur within close proximity to the VAMC, including the City College Thrust Fault, and landslide scarps are visible on land north of the VAMC boundary. An onsite slope stabilization project, including the construction of two retaining walls, is currently being implemented by VA (Winzler & Kelly 2010).

The San Francisco VAMC is located within the vicinity of the San Andreas Fault Line. The San Andreas Fault is the sliding boundary between the Pacific Tectonic Plate and the North American Tectonic Plate. It slices California in two from Cape Mendocino to the Mexican border. San Francisco is on the North American Plate, The San Andreas Fault Line does not go through the City of San Francisco, but runs northwest to southeast approximately 5 miles west from the San Francisco VAMC. The 2007 Working Group on California Earthquake Probabilities predicted a 63 percent chance of a magnitude 6.7 or greater earthquake occurring in the San Francisco Bay Area in 30 years. During a major earthquake on a segment of one of the nearby faults, strong to very

strong seismic ground shaking is expected to occur at the Site. Seismic retrofitting to reduce potential earthquake damage has occurred on several of the VAMC buildings. The campus retrofitting project is ongoing. All facilities at the VAMC are required to undergo standard seismic safety review prior to modifications to ensure seismic safety standards are met (VA 2011).

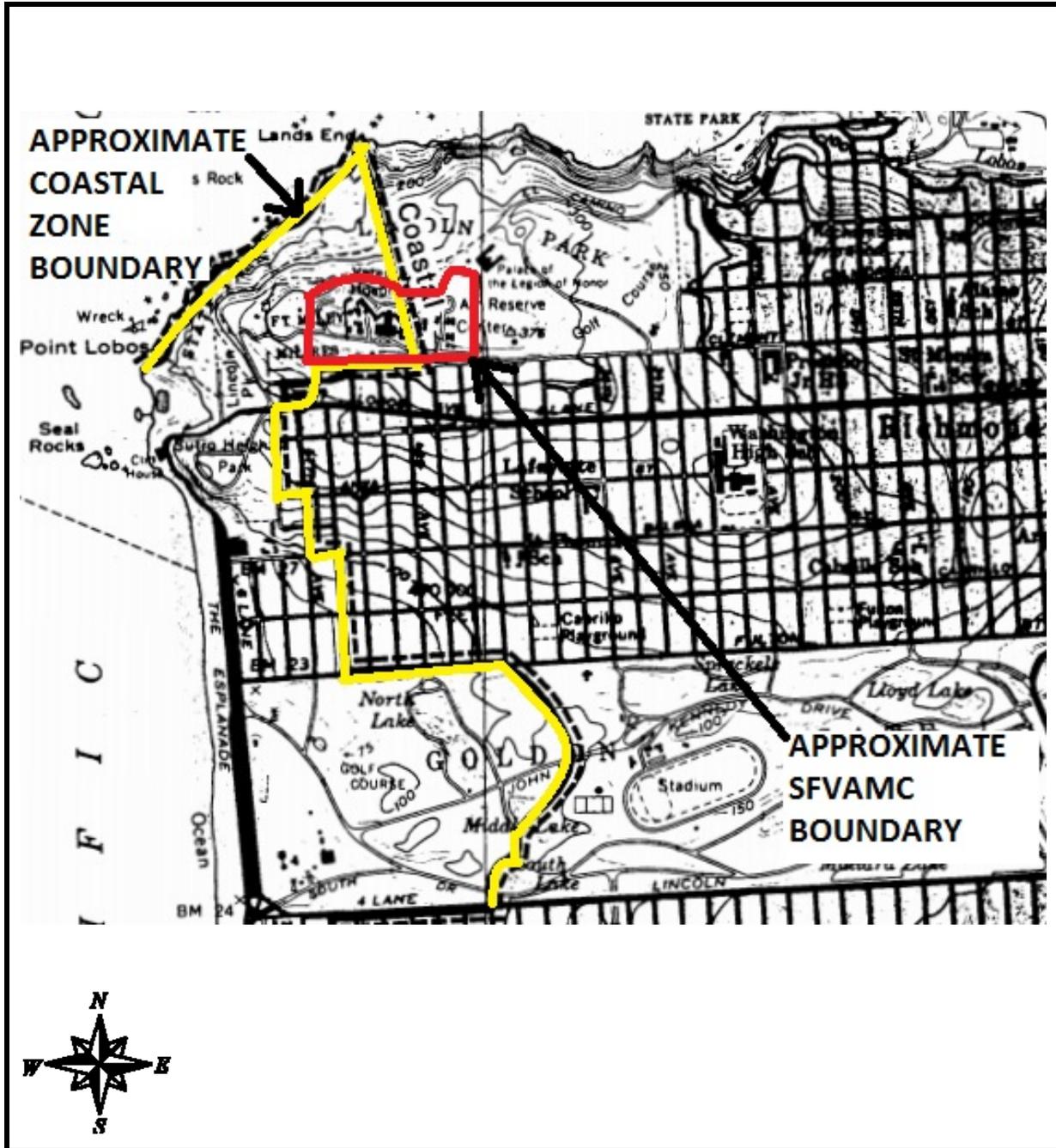
According to the USDA NRCS Web Soil Survey, the VAMC is underlain by one soil type, Sirdrak sand (map unit symbol 129; or a combination of Sirdrak sand and urban land, map unit symbol 136) (see [Figure 9](#)). Sirdrak sand is characterized by 5-50% slopes, low erosion, and a high to very high capacity to transmit water. These soils are formed from an eolian sand parent material and typically have a depth to groundwater of over 80 inches bgs (<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>).

A response from the San Francisco Department of Public Works (SFPDW) indicated that the San Francisco VAMC is surrounded by the Golden Gate National Recreation Area. The SFPDW stated that the general soil conditions in the vicinity of the VAMC include San Franciscan Melange (a French word for "mixture") and may contain serpentinite. The SFPDW recommended that a detailed soils report be prepared to understand the interaction between the Proposed Action and the surrounding soil conditions.

Prime and Unique Farmland Soils

Prime and Unique Farmlands are regulated in accordance with the Farmland Protection Policy Act (FPPA) (7 USC 4201, *et seq.*) to ensure preservation of agricultural lands that are of statewide or local importance.

According to the USDA NRCS Web Soil Survey, no prime farmland soils are present on the VAMC (<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>). The VAMC is a developed campus and is not used for agriculture, nor are adjacent lands. VAMC soils are illustrated in [Figure 9](#).



<p>FIGURE 8 TOPOGRAPHIC AND COASTAL ZONE MAP</p>	<p>PREPARED FOR U.S. DEPARTMENT OF VETERANS AFFAIRS SEVEN HILLS, OHIO</p>	
<p>ENVIRONMENTAL ASSESSMENT PROPOSED GROUND SOURCE HEAT PUMP SYSTEMS SAN FRANCISCO VAMC 4150 CLEMENT STREET SAN FRANCISCO, CALIFORNIA</p>	<p>TTL PROJECT NO. 7668.01</p>	

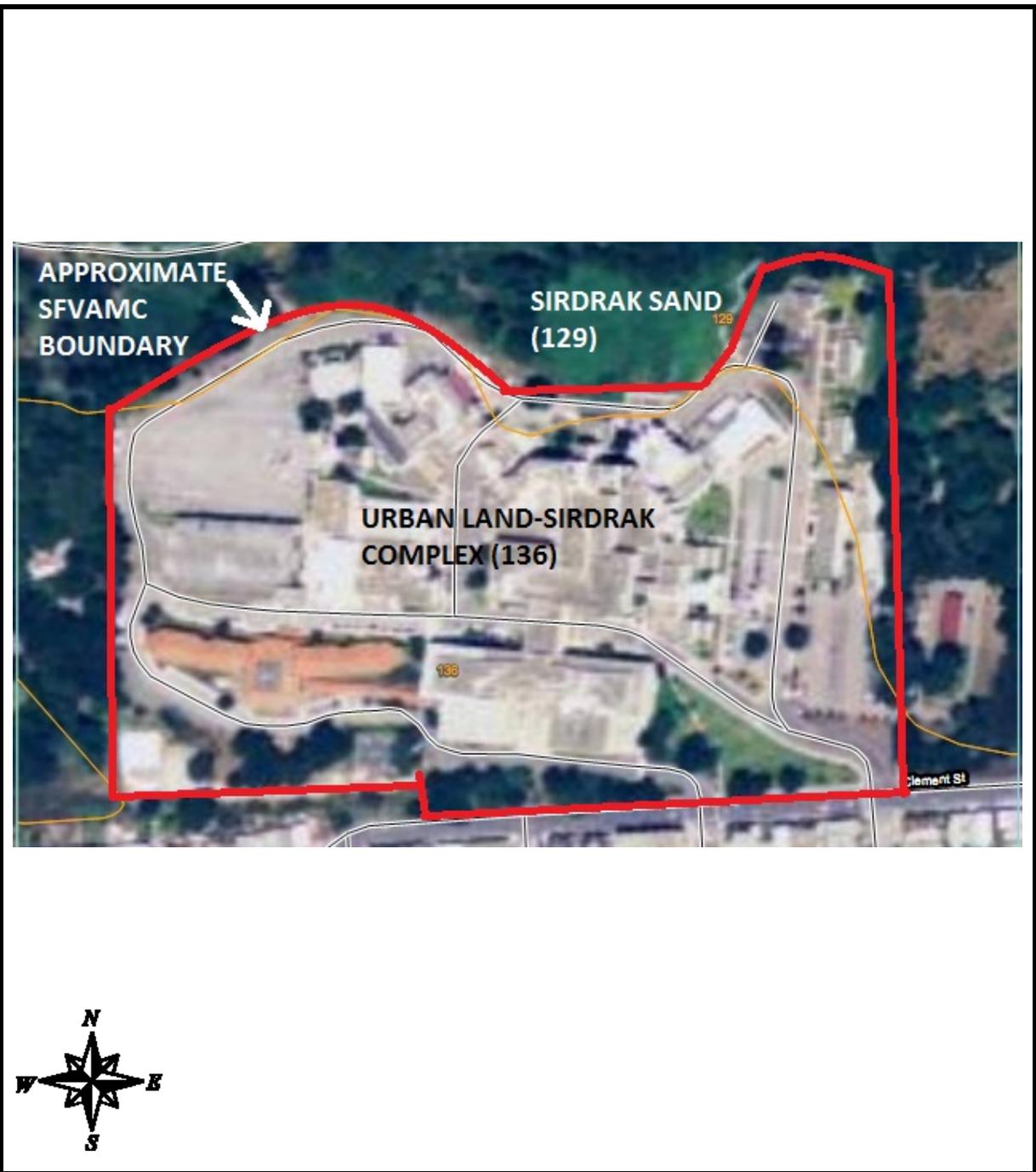


FIGURE 9 SOILS MAP ENVIRONMENTAL ASSESSMENT PROPOSED GROUND SOURCE HEAT PUMP SYSTEMS SAN FRANCISCO VAMC 4150 CLEMENT STREET SAN FRANCISCO, CALIFORNIA	PREPARED FOR U.S. DEPARTMENT OF VETERANS AFFAIRS SEVEN HILLS, OHIO	
	TTL PROJECT NO. 7668.01	

3.1.7 Hydrology and Water Quality

As discussed in Section 3.1.5, no natural surface water features exist on the VAMC.

Local surface runoff (i.e., from storm events) is collected by the onsite stormwater management system. This system, maintained by VA and controlled by the San Francisco Public Utilities Commission (SFPUC), transports water to the Oceanside Water Pollution Control Plant where it is treated for discharge to the Pacific Ocean. The Oceanside Water Pollution Control Plant, also controlled by the SFPUC, operates under a National Pollutant Discharge Elimination System (NPDES) permit issued by the San Francisco Bay Regional Water Quality Control Board (SFBWQCB). The SFPUC requires the development of a Stormwater Control Plan for any activities that disturb 5,000 square feet or more of ground surface (SFPUC 2010). This Stormwater Control Plan allows SFPUC to review qualifying projects and ensure compliance with the *San Francisco Stormwater Design Guidelines*. Prior to implementation, the Plan must be approved by a California-licensed landscape architect, architect, or engineer (City of San Francisco 2009).

According to the Groundwater Atlas of the United States (dated 1995), the San Francisco VAMC is located within the Santa Clara Valley portion of the Coastal Basins Aquifers. Once devoted largely to agriculture, most of the land in the valley is now dedicated to industrial and urban uses. Population growth has resulted in a large water demand, which has exceeded the valley's natural supply since the early 1940's. Withdrawals of groundwater in excess of recharge caused large water-level declines, which were followed by seawater intrusion and land subsidence surpassed in California only by that in the San Joaquin Valley. Since the 1940's, importation of surface water has been essential to the control of these problems.

The Santa Clara Valley is in a structural trough that parallels the northwest-trending Coast Ranges. The drainage basin, which includes San Francisco Bay, is bounded by the Santa Cruz Mountains on the southwest and the Diablo Range on the northeast. The basin is about 75 miles long and has a maximum width of 45 miles. The Santa Clara Valley, which occupies the southern end of the basin, is about 60 miles long, about 30 miles of which extends southeastward beyond San Francisco Bay. The valley has a maximum width of about 15 miles and a total area of about 590 square miles.

The aquifer system of the Santa Clara Valley is bounded on three sides by the relatively impermeable consolidated rocks that form the mountains surrounding the valley and underlie the valley at depth. Groundwater in the valley is contained primarily in coarse-grained lenticular deposits of sand and gravel that alternate with discontinuous beds of fine-grained clay and silt that have minimal permeability. The combined thickness of the coarse- and fine-grained deposits is as much as 1,000 feet in some parts of the valley. The alluvial-fan and river-channel deposits near the valley margins contain a higher percentage of coarse-grained materials than deposits near the valley axis and are thus more permeable.

Although interspersed with coarse-grained channel deposits, the cumulative thickness of clay and silt is sufficient in the central two-thirds of the valley to produce confined conditions in the subsurface from southeast of San Jose to beneath San Francisco Bay. Water below a depth of 150 to 200 feet in that area is confined or semi-confined, whereas shallower water is generally unconfined. The confined part of the aquifer system is as much as 800 feet thick, but locally it contains beds of fine-grained deposits that separate it into zones of permeable material sufficiently distinct to be recognized as individual aquifers.

No information pertaining to the depth of groundwater was included in the Alares documentation.

3.1.8 Land Use

The San Francisco Planning Department is responsible for long-range planning and zoning in the City of San Francisco (<http://www.sf-planning.org>). The VAMC and neighboring properties are currently zoned as Public (P):

- ✓ **Public (P)** – The purpose of the (P) public district is to regulate the development of land owned by a governmental agency and in some form of public use, including open space.

The maximum building height limit in a P zoning district is 40 feet (<http://ec2-50-17-237-182.compute-1.amazonaws.com/PIM>). Building heights up to 65 feet may be permitted through the Conditional Use process (Article 2.5, San Francisco Planning Code 1985).

The Golden Gate National Recreation Area, located to the north, east, and west of the Site, is zoned Public, are managed by the National Park Service, and are zoned Public (P). Lincoln Park, located farther to the east of the Site, is designated as open space (OS); development in OS areas is strictly limited. The only likely development to occur on an OS property would be prescribed by and described within the local Master Plan (Article 2.5, Section 290, San Francisco Planning Code 1985). The adjoining land to the south of the VAMC, the Outer Richmond Neighborhood, is zoned "Residential-House, Two Family" (RH-2) (<http://ec2-50-17-237-182.compute1.amazonaws.com/PIM>).

3.1.9 Noise

The existing noise environment around the VAMC is dominated by vehicle traffic along Clement Street to the south of the Site. Periodic noise is generated by use of the VAMC helipad; no other notable noise-generating sources are present in the immediate vicinity of the VAMC. As such, the VAMC's noise environment can be characterized as that typical of an urban/suburban area.

The San Francisco Police Code includes an ordinance that prohibits unwanted, excessive, and avoidable noise in order to protect public health. It is the policy of the City of San Francisco to maintain noise levels at acceptable levels and to reduce noise levels, through all practicable means, in those areas where noise levels are above acceptable levels (Article 29 Section 2907; San Francisco Police Code 2008). Article 29 Section 2907 also states that normal construction activities may proceed between 7:00 am and 8:00 pm. In addition, construction activities may proceed beyond 8:00 pm as long as the noise generated does not exceed five decibels above ambient noise levels.

3.1.10 Socioeconomics

The following subsections identify and describe the socioeconomic environment of San Francisco, California. Presented data provide an understanding of the socioeconomic factors that have developed the area. Data used in preparing this section were collected from the 2000 Census of Population and Housing (US Census Bureau) and the 2010 US Census Bureau data (as available).

Demographics

San Francisco's estimated population in 2010 was 805,235 citizens (US Census Bureau 2010). The estimated population total for the State of California was 37,253,956 residents in 2010 (US Census Bureau 2010); San Francisco contained about 2.2 percent of the State's population. Population totals for San Francisco and the State of California both increased from 2000 to 2010 (see [Table 2](#)).

Area	1990	2000	2010
California	29,760,021	33,871,648	37,253,956
San Francisco	723,959	776,733	805,235

Sources: US Census Bureau, 2000 Census, US Census Bureau, 2010 Census. N/A – Not available.

Available census data identified that San Francisco has a lower Hispanic or Latino population and a higher Asian population than the State of California as a whole. In addition, San Francisco has a lower white population than the State of California ([Table 3](#)).

Area	All Individuals	White (%)	African-American (%)	American Indian and Alaska Native (%)	Asian or Pacific Islander (%)	Other Race (%)	Hispanic or Latino*
California	37,253,956	57.6	6.2	1.0	13.4	n/a	37.6
San Francisco	805,235	48.5	6.1	0.5	33.7	n/a	15.1

* People of Hispanic or Latino origin may be of any race
 Note: The five percentages reported by the US Census Bureau for each geographic region may total more than 100% because individuals may report more than one race.
 Source: US Census Bureau, 2010 Census, Profile of General Demographic Characteristics.

According to the 2000 US Census statistics, San Francisco has a higher percentage of individuals having a bachelor's degree (or higher) as compared to the State of California as a whole. Educational attainment data are presented in [Table 4](#).

Educational Attainment	California (%)	San Francisco (%)
High school graduate (incl. equivalency)	20.1	13.9
Bachelor's degree or higher	26.6	45.0

Source: US Census Bureau 2000.

Employment and Income

In 2009, the majority of jobs in the San Francisco area were in the sectors of education, health services, retail, and professional, scientific, and management services. Unemployment rates for San Francisco are lower than for California as a whole as depicted in [Table 5](#). Additionally, median household incomes and per capita incomes for San Francisco residents are higher than the rest of the state. This can be attributed to a greater number of professional and business services jobs and an overall lower unemployment rate in San Francisco as compared to the State of California.

Area	Number of Households	Median Household Income (\$)	Per Capita Income (\$)	Population Below Poverty Level (%)	Unemployment Rate (%) 2000
California	12,577,498*	53,025**	22,711**	14.2**	4.3**
San Francisco	345,811*	63,545**	34,556**	11.3**	3.0**

Sources: US Census Bureau, 2010 Census, 2000 Census
n/a – Data unavailable from US Census Bureau. * – 2010 data. ** – 2000 data.

Commuting Patterns

Residents of San Francisco and California are largely dependent on personal automobiles for transportation to and from work. Other methods of transit include public transportation and carpooling. The commuting times of San Francisco residents typically average approximately 31 minutes; commuting times across the State of California average approximately 28 minutes.

Housing

Rates of owner-occupied housing in San Francisco are lower than in the rest of California. This is likely reflective of the more urban character of San Francisco, with a higher level of renter-occupied housing (see [Table 6](#)).

Area	Total Housing Units	Occupied (%)	Owner-Occupied (%)	Median Value (\$)	Renter-Occupied (%)	Median Contract Rent (\$)
California	12,577,498*	91.9*	55.9*	211,500**	44.1*	677**
San Francisco	376,942*	91.7*	35.8*	396,400**	64.2*	883**

Sources: US Census Bureau. * - 2010 data. ** - 2000 data
n/a – Data unavailable from US Census Bureau.

Protection of Children

Because children may suffer disproportionately from environmental health risks and safety risks, EO 13045, *Protection of Children From Environmental Health Risks and Safety Risks*, was introduced in 1997 to prioritize the identification and assessment of environmental health risks and safety risks that may affect children and to ensure that Federal agencies' policies, programs, activities, and standards address environmental risks and safety risks to children. This socioeconomic subsection identifies the distribution of children and locations where numbers of children may be proportionately high (e.g., schools, childcare centers, family housing, etc.) in areas potentially affected by the Proposed Action.

Children are regularly present around the VAMC as occupants of the surrounding multi-family residences, visitors to local commercial properties, and visitors to the adjoining Lincoln Park and the Golden Gate National Recreation Area. Children may also be present at the VAMC as escorted visitors, under adult supervision.

The percentage of the population under age 18 in San Francisco is lower than that found across the State of California as a whole (see [Table 7](#)).

Area	Total Population	Population Under 18	
		Number	Percent
California	37,253,956	9,295,040	25.0
San Francisco	805,235	107,524	13.4

Sources: 2010 US Census Bureau.

Environmental Justice

In 1994, EO 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*, was issued to focus attention of Federal agencies on human health and environmental conditions in minority and low-income communities and to ensure that disproportionately high and adverse human health or environmental effects on these communities are identified and addressed. In order to provide a thorough Environmental Justice evaluation, this socioeconomic presentation gives particular attention to the distribution of race and poverty status in areas potentially affected by implementation of the Proposed Action. For purposes of this analysis, minority and low-income populations are defined as:

- **Minority Populations:** Persons of Hispanic origin of any race, African Americans, American Indians, Eskimos, Aleuts, Asians, or Pacific Islanders.
- **Low-Income Populations:** Persons living below the poverty level, based on a total annual income of \$12,674 for a family of four persons as reported in the 2000 census.

The VAMC is not located in an area with a disproportionate concentration of minority citizens. In addition, no concentrations of low-income citizens, such as low-income housing facilities or missions, are located in the vicinity of the VAMC.

3.1.11 Solid and Hazardous Wastes

Hazardous and toxic materials or substances are generally defined as materials or substances that pose a risk (i.e., through either physical or chemical reactions) to human health or the environment. Regulated hazardous substances are identified through a number of Federal laws and regulations. The most comprehensive list is contained in 40 CFR Part 302, and identifies quantities of these substances, when released to the environment, that require notification to a Federal agency. Hazardous wastes, defined in 40 CFR Part 261.3, are considered hazardous substances. Generally, hazardous wastes are discarded materials (e.g., solids or liquids) not otherwise excluded by 40 CFR Part 261.4 that exhibit a hazardous characteristic (i.e., ignitable, corrosive, reactive, or toxic), or are specifically identified within 40 CFR Part 261. Petroleum products are specifically exempted from 40 CFR Part 302, but some are generally considered hazardous substances due to their physical characteristics (i.e., especially fuel products), and their ability to impair natural resources.

According to EDR data, a total of nine underground storage tanks (USTs) are present (three) or have been removed from (six) the Site. Data available from EDR concerning onsite USTs is that these tanks primarily contained diesel fuel (EDR 2011) and that some releases from the UST systems have occurred. Based on conversations with the VAMC onsite Environmental Manager, no onsite areas of concern exist and all existing releases have been fully remediated (VA 2011).

3.1.12 Transportation and Parking

The VAMC is located along and accessed from Clement Street; this roadway forms the southern Site boundary. Clement Street, a four-lane paved road, serves as the main access route to the Site and provides overflow parking. Only 1,214 parking spaces exist on the VAMC. It has been estimated that more than 250 vehicles owned by VAMC staff, patients, and visitors park on off-site local streets, and there still remains an estimated shortage of at least 340 to 650 parking spaces at the VAMC.

Some staff and patients avoid the issue of parking shortages by taking public transportation to and from the VAMC. The San Francisco Municipal Transit Authority provides service to the VAMC, stopping at the intersection of 48th Avenue and Point Lobos Avenue (i.e., approximately 5 blocks west and one block south of the VAMC main entrance) (<http://transit.511.org/schedules/index.aspx?#m1=S&m2=bus&routeid=43878&cid=SF>).

As described in Section 5.3, VA is currently constructing a new parking garage at the VAMC. This garage, anticipated to be complete by November 2011, will provide 78 additional parking spaces at the VAMC and will help improve existing onsite parking conditions. In addition, in the foreseeable future, VA may construct a new parking structure on Parking Lot J in the northwestern portion of the VAMC. This structure would provide up to 348 net new parking spaces (see Section 5.3). If constructed, this new parking structure would further improve existing onsite parking conditions.

3.1.13 Vegetation and Wildlife

The vast majority of the 29-acre VAMC is developed and supports structures, infrastructure (e.g., parking areas, roadways), and associated maintained landscaping/lawn. No natural vegetation communities are present within the VAMC. Similarly, the land to the south of the Site has been entirely developed to accommodate residential neighborhoods; no natural vegetation communities remain.

Lincoln Park and the Golden Gate National Recreation Area, located to the west, north, and east of the Site still retain natural vegetation assemblages, including wooded areas with understory brush. Common species include Monterey pine (*Pinus radiata*), Monterey cypress (*Cupressus macrocarpa*), English ivy (*Hedera helix*), German ivy (*Senecio mikaioides*), Himalayan blackberry (*Rubus discolor*), and passion flower (*Passiflora* sp.).

Biological resource surveys conducted at the Site have identified no special status plant or animal species. Onsite wildlife mainly consists of bird and small mammal species typical of developed urban areas in San Francisco.

Migratory birds occurring on the VAMC and in its vicinity are protected under the Migratory Bird Treaty Act (16 USC 703-712, 3 July 1918; as amended 1936, 1960, 1968, 1969, 1974, 1978, 1986, and 1989). This Act prohibits the taking of migratory birds, their nests, and eggs. Migratory birds may be found nesting on the VAMC, as well as flying over the Site.

SECTION 4: ENVIRONMENTAL CONSEQUENCES

4.1 Introduction

4.1.1 Impact Analysis

This Section analyzes the potential direct, indirect, and cumulative effects of implementing the Preferred Action Alternative and the No Action Alternative to the physical, environmental, cultural, and socioeconomic conditions described in Section 3. Section 4 also identifies Best Management Practices (BMPs) and mitigation measures, as and where appropriate, that would reduce the level of identified adverse effects. Where appropriate, pertinent regulatory (permitting) requirements associated with the resource are described. Effects are identified as either short-term (i.e., during construction) or long-term (i.e., during the operational life of the Proposed Action, anticipated to be approximately 50 years; see Section 2.2).

4.1.2 Significance Criteria

In this EA, effects are identified as either significant, less-than-significant (i.e., common effects that would not be of the context or intensity to be considered significant under the NEPA or CEQ Regulations), or no effect. As used in this EA, the terms "effects" and "impacts" are synonymous. Where appropriate and clearly discernable, each effect is identified as either adverse or positive.

The CEQ Regulations specify that in determining the significance of effects, consideration must be given to both "*context*" and "*intensity*" (40 CFR Part 1508.27):

- ***Context*** refers to the significance of an effect to society as a whole (human and national), to an affected region, to affected interests, or to just the locality. In other words, the context measures how far the effect would be "felt."
- ***Intensity*** refers to the magnitude or severity of the effect, whether it is beneficial or adverse. Intensity refers to the "punch strength" of the effect within the context involved.

In this EA, the significance of potential direct, indirect, and cumulative effects has been determined through a systematic evaluation of each considered alternative in terms of its effects on each individual environmental resource component.

Significance criteria for resource areas considered in this EA are as follows:

- ***Aesthetics***. An alternative could significantly affect visual resources if it resulted in abrupt changes to the complexity of the landscape and skyline when viewed from points readily accessible by the public.
- ***Air quality***. An alternative would have a significant air quality effect if it would result in substantially higher air pollutant emissions or cause established air quality standards to be exceeded.

- *Community services and utilities:* An alternative would have a significant effect if it would create a need for new or increased fire or police protection, or medical services, beyond the current capability of the local community, or would decrease public service capacities so as to jeopardize public safety. An alternative would have a significant effect on utilities if it would increase demand over capacity, requiring a substantial system expansion or upgrade, or if it would result in substantial system deterioration over the current condition.
- *Cultural resources.* An alternative would have a significant effect on cultural resources if it would: result in damage, destruction, or demolition to an archaeological site or building that is eligible or listed on the NRHP; promote neglect of such a resource, resulting in resource deterioration or destruction; or introduce audio or visual intrusion to such a resource. The impact assessment for cultural resources focuses on properties that are listed in or considered eligible for the NRHP.
- *Floodplains and other water resources.* If an alternative would result in a substantial reduction in the quantity or quality of water resources for existing or potential future use, it would have a significant effect. An alternative also would have a significant effect on water resources if it would cause substantial flooding or erosion, if it would subject people or property to flooding or erosion, or if it would adversely affect a significant water body, such as a stream, lake, or coastal zone. The measurable degradation of wetlands would also be significant.
- *Geology and soils.* If an alternative would result in an increased geologic hazard or a change in the availability of a geologic resource, it would have a significant effect. Such geologic and soil hazards would include, but not be limited to, seismic vibration, land subsidence, and slope instability.
- *Land use.* If an alternative would conflict with adopted plans and goals of the affected community or if it would result in a substantial alteration to the present or planned land use of an area, it would have a significant direct effect. If an alternative would result in substantial new development or prevent such development elsewhere, it would have a significant indirect effect.
- *Noise.* An alternative would have a significant noise effect if it would generate new sources of substantial noise, increase the intensity or duration of noise levels to sensitive receptors, or result in exposure of more people to unacceptable levels of noise.
- *Socioeconomics.* If an alternative would substantially alter the location and distribution of the population within the geographic "region of influence," cause the population to exceed historical growth rates, or substantially affect the local housing market and vacancy rates, the effect would be significant. Significant effects would occur if an alternative caused disproportionate risks to children that resulted from environmental health risks or safety risks. Significant effects would occur if an alternative would disproportionately affect minority or low-income populations.

- *Solid and hazardous wastes.* An alternative would have a significant effect if it would result in a substantial increase in the generation of solid or hazardous substances or wastes, increase the exposure of persons to hazardous or toxic substances, increase the presence of hazardous or toxic materials in the environment, or place substantial restrictions on property use due to hazardous waste, materials, or site remediation.
- *Transportation and parking.* An alternative would have a significant effect on traffic if it would increase the volume of traffic beyond the existing road capacity, cause parking availability to fall below minimum local standards, or require new or substantially improved roadways or traffic control systems.
- *Vegetation and wildlife.* The effect of an alternative on biological resources and ecosystems would be significant if it would disrupt or remove any endangered or threatened species or its designated critical habitat. The loss of a substantial number of individuals of any plant or animal species (sensitive or non-sensitive species) that could affect the abundance or diversity of that species beyond normal variability would also be considered significant. The measurable degradation of sensitive habitats, particularly wetlands, would also be significant.

4.2 Aesthetics

4.2.1 Effects of the Preferred Action Alternative

Under the Preferred Action Alternative, new GSHP systems would be installed at up to eight buildings across the 29-acre VAMC. As installation of each of the eight closed-loop systems would require drilling of borings and the underground emplacement of piping, *minor short-term adverse aesthetics effects* may arise during construction. These effects would result from disturbance and construction equipment present within the VAMC for approximately 90 days for installation of each proposed system, changing the aesthetics of the campus over the short-term.

Any potential adverse construction effects would be maintained at acceptable, less-than-significant levels throughout the implementation of routine construction BMPs. Construction machinery would only be active onsite during daylight hours, minimizing or eliminating the use of additional lighting during the evening hours. Boreholes would be filled and restored to pre-construction conditions through re-vegetation with native plant species or repaving the disturbed area to match the pre-project parking area or roadway. Construction activities would be expedited to minimize the exposure of residents to these potential less-than-significant effects.

The installation of new GSHP systems at the VAMC could result in potential *minor long-term adverse aesthetics effects*. A small structure would be constructed at each of the eight buildings involved. This small structure, situated on a concrete pad approximately four feet wide by eight feet long and adjacent to the GSHP system-served building, would house the heat pump. No other proposed project components would be readily observable at the VAMC over the long-term.

Each new structure would be separate from the served building and would not modify the served building in any way. In compliance with standard BMPs, each structure would be designed and constructed to blend with the served VAMC building in terms of color and style to the extent possible. By matching the existing architectural style of the buildings, the additional structures would blend with the existing aesthetics of the Site. In addition, each proposed structure would be carefully sited to minimize or eliminate its visibility from offsite areas. As such, the Preferred Action Alternative would not result in abrupt changes to the complexity of the landscape and skyline when viewed from points readily accessible by the public.

4.2.2 Effects of the No Action Alternative

Under the No Action Alternative, new GSHP systems would not be installed and no aesthetics effects would occur.

4.2.3 Mitigation

As no significant adverse aesthetics effects would occur from implementation of the Preferred Action Alternative, no mitigation measures would be required. VA would implement the standard construction and operation BMPs described above to maintain aesthetics effects at acceptable levels.

4.3 Air Quality

4.3.1 Effects of the Preferred Action Alternative

Air emissions generated from the Preferred Action Alternative would have minor, *less-than-significant, short-term adverse effects* to the existing air quality environment at and in the vicinity of the VAMC. Effects would include minor short-term increased air emission levels as a result of dust production, operation of drilling and standard construction equipment, and minimal re-paving operations during construction activities. Given the small areas involved (see [Figure 3](#)) and the limited duration of each proposed construction event (i.e., 90 days), this air quality effect would be considered *de minimis*.

The Preferred Action Alternative would result in *long-term positive air quality effects* by reducing the VAMC's reliance on non-renewable, emissions-producing energy sources (i.e., the burning of fossil fuels), further assisting the region in complying with the NAAQS and the SIP. The Proposed Action would contribute to minor emissions reductions at the VAMC and within the region over the long-term.

4.3.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and the local and regional air quality would not change. The VAMC would continue to rely primarily on non-renewable energy sources. The minor long-term positive air quality effects of installing renewable energy sources at the Site would not occur.

4.3.3 Mitigation

No mitigation measures are required. VA would implement standard dust control BMPs that are implemented as part of all VA construction projects, and would minimize the amount of time construction equipment is used to install the Proposed Action.

4.4 Community Services and Utilities

4.4.1 Effects of the Preferred Action Alternative

Under the Preferred Action Alternative, a *minor, less-than-significant, short-term adverse utilities effect* could result from a very short-term utility service outage during connection of the new GSHP systems to the existing onsite electrical infrastructure. However, this would not affect areas outside of the VAMC campus, and would be carefully coordinated by VA to ensure a minimal disruption, if any, of service. VA would implement routine BMPs to ensure that these potential adverse effects remain at acceptable, *de minimis* levels. VA would coordinate with local utility providers in advance of construction to ensure existing onsite utility infrastructure is avoided.

The Preferred Action Alternative would result in a *long-term positive effect* on local utilities by decreasing the VAMC's reliance on existing electrical and natural gas resources. Implementation of the Preferred Action Alternative would have no effects on community services, including local fire/police protection or medical services.

4.4.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no community services or utility effects would occur. The VAMC would continue to rely primarily on electricity and natural gas provided by Pacific Gas & Electric. The minor long-term positive utility effects of installing renewable energy sources at the Site would not occur.

4.4.3 Mitigation

No mitigation measures are required. VA would implement standard construction BMPs to avoid onsite utility infrastructure and to minimize utility service disruptions on the Site.

For any GSHP systems proposed at the VAMC, VA would, prior to construction, complete detailed, appropriate engineering designs and obtain all required permits from appropriate government authorities, including required drilling (see below) and building permits. VA would also work with Pacific Gas & Electric to appropriately coordinate this project in terms of utility provision to ensure no outages occur. VA would coordinate the installation and operation of the proposed GSHP systems with current and future proposed construction at the VAMC.

4.5 Cultural Resources

4.5.1 Effects of Preferred Action Alternative

The Preferred Action Alternative has the potential to result in *minor, less-than-significant, short- and long-term adverse cultural resources effects* due to the construction and operation of new GSHP systems at buildings contributing to, and within, an NRHP-listed Historic District. However, as described below, these effects would be maintained at acceptable levels and would not be considered an adverse effect under Section 106 of the NHPA (as defined at 36 CFR 800.5(a)(1)).

Each proposed heat pump would be installed within a new, small structure adjacent to an exterior wall of a GSHP system-served building. As identified in Section 4.2.1, each new, approximately 4' x 8' structure would be designed and constructed to blend with the served VAMC building in terms of color and style to the extent possible. By matching the existing architectural style of the buildings, the additional structures would blend with the existing aesthetics of the Site, and would not adversely affect the historic integrity of Building 8, 9, 10, or 210 or the Historic District; all

architectural features and historical significance of the Historic District and each contributing building would be retained.

Only minor modifications would be made to the interior of each GSHP system-served building as the new GSHP system is connected to the building's existing HVAC system. Most work would be confined to the building's existing mechanical room. No major internal modifications are proposed.

No federally recognized Native American Tribes are known to have cultural affiliation to the VAMC. In addition, the majority of the 29-acre VAMC has been previously disturbed due to prior construction activities. As such, no paleontological resources or archaeological resources are expected to be encountered or affected during implementation of the Preferred Action Alternative. Should any potential artifacts be encountered during drilling, VA would stop work, cordon off the area, and immediately contact the SHPO for further consultation under Section 106 of the NHPA.

4.5.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no cultural resources effects would occur.

4.5.3 Mitigation

No mitigation measures are required. VA would implement standard construction and operation BMPs to avoid adverse effects to cultural resources, and would continue to comply with Section 106 of the NHPA.

4.6 Floodplains, Wetlands, Watersheds, Rivers, Lakes, and Coastal Zones

4.6.1 Effects of the Preferred Action Alternative

Implementation of the Preferred Action Alternative would not result in significant effects to local surface water or groundwater resources. Implementation of the BMPs described in Section 4.7.3 would ensure construction- and operation-related effects to surface water and groundwater resources are maintained at acceptable levels.

No floodplains, wetlands, rivers, lakes, or other type of water bodies are located within the VAMC. No such areas would be affected by the Proposed Action. As identified in Section 1.5.1, the CCC stated that activities associated with the Proposed Action appear to be located within already developed areas of the San Francisco VAMC and effects to the designated California coastal zone are not anticipated. VA has determined that the proposed work in the designated coastal zone (i.e., proposed boring fields L7 through L11; see Section 3.1.5 and [Figure 8](#)) would be consistent with the CZMA and would not result in an adverse effect to the coastal zone.

Groundwater quantity or quality would not be significantly adversely impacted with implementation of the Preferred Action Alternative. Drilling operations would be consistent with standard water well drilling using inert/non-toxic materials as discussed in Section 4.12.1 and would have a negligible effect on the water quality in the immediate area of the borings. The design of the proposed closed-loop GSHP systems, as described in Section 2.2, would ensure that no physical interaction occurs between the fluid (water) used within the GSHP system and the local groundwater during operation. No groundwater would be removed or directly used; therefore, this resource would remain available in its current quantity and quality. While groundwater temperature could change slightly due to the proposed GSHP systems, this effect would be negligible and very localized.

4.6.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no water resources effects would occur.

4.6.3 Mitigation

No mitigation measures are required. Implementing the BMPs identified in Section 4.7.3 would ensure effects to local surface water and groundwater resources, including offsite receiving waters, remain at acceptable levels.

4.7 Geology, Topography, and Soils

4.7.1 Effects of the Preferred Action Alternative

Implementation of the Preferred Action Alternative would result in no net effects to onsite existing geology, topography, or soils. The proposed locations for the boring fields under the Preferred Action Alternative currently serve mostly as parking lots or other forms of paved roadway (see [Figure 3](#)). Potential boring field locations L2 and L6 include grassy landscaped areas. Each of these areas has been disturbed to the point where it no longer retains natural surface soil features. Drilling borings would have no additional substantial effect. No changes to topography or soils are proposed. All areas would be restored to pre-project conditions following construction. In addition, as identified in Section 1.5.1, the CCC stated that VA is aware of nearby landslide areas and the Proposed Action would not increase geologic instability.

As no Prime Farmland soils exist on the Site, the Preferred Action Alternative would have no effect on Prime Farmland soils.

Borings would be advanced using a conventional drilling rig using rotary methods in conjunction with inert/non-toxic drilling fluids (Super Gel-X and Super Thin drilling fluids). All proposed boreholes would be filled with inert/non-toxic thermal grout (High TC Geothermal Grout) and thermal sand (Dyna-Crete Heat Transfer Sand 301) immediately upon emplacement of the closed-loop system piping. Careful filling and grading would return the parking/paved areas proposed for construction activities to existing conditions and current topography.

Although there is a fault line in the vicinity of the VAMC, the Proposed Action would not alter the existing seismic hazard. The proposed borings and GSHP system components would be designed in accordance with applicable local drilling and building codes to address seismic considerations, as appropriate. VA would comply with Chapter 4 of the California Laws for Conservation of Geothermal Resources for all proposed drilling activities (see Section 2.2). Based on the nature of the closed-loop system boring design, a seismic event would not be anticipated to breach the subsurface system, as sufficient space would exist within each boring between the piping and the boring walls, allowing for some degree of movement. In the unlikely event of a breach, impacts would be negligible because the grout surrounding the piping would contain the piping contents and VA proposes to use only water in the subgrade systems.

Given the nature of proposed ground-disturbing activities (i.e., greater than one acre), NPDES permitting would be required for the Proposed Action. However, during construction, *less-than-significant, direct and indirect, short-term adverse* soil erosion and sedimentation effects would be possible as the proposed GSHP systems are installed. Exposure of the soils during construction has the potential to result in minor increased sedimentation to offsite receiving surface waters (i.e., the

Pacific Ocean). Implementation of standard erosion and sedimentation BMPs, described in Section 4.7.3, would ensure this effect is minimized.

4.7.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no effects would occur.

4.7.3 Mitigation

No mitigation measures are required. Implementing BMPs to reduce potential short-term erosion and sedimentation effects during construction would further minimize the potential effects on local soils and water quality.

The construction contractor would obtain all required permits, including appropriate NPDES permits, before any proposed construction activities commence and would adhere to permit conditions during all onsite construction activities. The construction contractor would install appropriate silt fencing and/or other appropriate erosion-control measures around the perimeter of the construction area prior to construction, notably on downslope areas. Straw bales would be used as and where necessary to further minimize offsite erosion potential. Immediately upon the completion of construction, stockpiled topsoil would be re-spread, and the disturbed site would be immediately seeded or re-paved, as appropriate. During construction, vegetation would be retained to the maximum extent possible.

In compliance with Chapter 4 of the California Laws for Conservation of Geothermal Resources, VA would submit a written notice (with fee) of intention to commence drilling to the State Oil and Gas Supervisor (supervisor). The supervisor would then have ten (10) days to approve the proposed drilling. Once approved, the proposed boring would be drilled, and VA would keep a drilling log containing the following information:

- ✓ Character and depth of the formation passed through or encountered during drilling.
- ✓ Amount, size, and casing used.
- ✓ Location, depth, and temperature of water-bearing strata.
- ✓ Temperature, chemical composition, and other chemical and physical characteristics of fluid encountered.

In addition, VA would compile a core record showing the depth, character, and fluid content of cores obtained during the drilling process, and a history showing the location and amount of sidetracked casings and tools; the results of production tests; and completion data (California Department of Conservation 2011).

4.8 Hydrology and Water Quality

Please refer to Sections 4.6 and 4.7. Implementation of the BMPs identified in Section 4.7.3 would minimize effects to local groundwater and surface water quality. No significant effects to groundwater or local hydrology would be anticipated under the Preferred Action Alternative as described in Sections 4.6 and 4.7. No effects would occur under the No Action Alternative.

4.9 Land Use

4.9.1 Effects of the Preferred Action Alternative

Under the Preferred Action Alternative, no land use effects would occur. The Proposed Action would not conflict with adopted plans and goals of San Francisco, would not result in a substantial alteration to the present or planned land use of the area, and would not result in substantial new development or prevent such development. The Preferred Action Alternative would not alter existing activities or land use at the VAMC or in the region.

The Proposed Action is consistent with local zoning within a zoned Public (P) area. VA would coordinate and consult with the San Francisco Planning Department to ensure compliance with applicable codes and regulations during all proposed activities.

4.9.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no land use effects would occur.

4.9.3 Mitigation

No mitigation measures are required.

4.10 Noise

4.10.1 Effects of the Preferred Action Alternative

Implementation of Preferred Action Alternative would result in *short-term, less-than-significant adverse noise effects*. During construction, noise generated by drilling and construction equipment would produce a less-than-significant effect. During all construction activities, VA would comply with Article 29, Section 2907 of the San Francisco Police Code (2008) to ensure construction noise is maintained at an acceptable level. VA would also limit all construction activities to normal construction hours (i.e., between 7:00 am and 8:00 pm, per the San Francisco Police Code).

No long-term noise effects are anticipated. The proposed GSHP systems would not change VAMC operations and would not produce noise above current ambient levels.

4.10.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no noise effects would occur.

4.10.3 Mitigation

No mitigation measures are required.

4.11 Socioeconomics

4.11.1 Effects of the Preferred Action Alternative

Implementation of the Preferred Action Alternative would have *no effect* on local socioeconomics. The Preferred Action Alternative would not alter the location or distribution of the population within San Francisco, cause the population to exceed historical growth rates, or substantially affect the local housing market and vacancy rates. In addition, the Preferred Action Alternative would not cause disproportionate risks to children that result from environmental health risks or safety risks (Protection of Children), and would not disproportionately affect minority or low-income populations (Environmental Justice).

4.11.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no socioeconomic effects would occur.

4.11.3 Mitigation

No mitigation measures are required.

4.12 Solid and Hazardous Wastes

4.12.1 Effects of the Preferred Action Alternative

The Preferred Action Alternative would result in *short-term, less-than-significant adverse effects* due to the increased presence and use of Hazardous and Toxic Materials and Wastes (HTMW) during construction. VA would comply with Chapter 4 of the California Laws for Conservation of Geothermal Resources for all proposed drilling activities as described in Section 2.2, thereby reducing the potential for HTMW effects (e.g., the introduction of drilling fluid to the environment) during these operations. Borings would be advanced using a conventional drilling rig using rotary methods. All proposed drilling activities would be completed in conjunction with inert/non-toxic drilling fluids (Super Gel-X and Super Thin drilling fluids). The soil/rock wastes (cuttings) would be contained in a sedimentation trough/tank during drilling and would be tested and properly disposed of off-site upon completion of the borings. Waste drilling fluids will also be contained and properly disposed of. All proposed boreholes would be filled with inert/non-toxic thermal grout (High TC Geothermal Grout) and thermal sand (Dyna-Crete Heat Transfer Sand 301) immediately upon emplacement of the closed-loop system piping. Drilling operations and grouting operations would be consistent with those used for conventional water well installation and would have negligible impacts on the groundwater surrounding the borings. All waste generated during construction would be disposed of properly by the contractor, in accordance with applicable state and Federal regulations.

During construction, a small increase in construction vehicle traffic would increase the likelihood for release of vehicle operating fluids (e.g., oil, diesel, gasoline, antifreeze, etc.) and maintenance materials. Implementation of standard construction BMPs would serve to ensure this effect is maintained at acceptable levels. As described in Section 3.1.11, areas proposed for construction are not known to be contaminated by hazardous wastes or petroleum products. As such, no effects to such areas of concern are anticipated.

No long-term solid or hazardous waste effects are anticipated. The Preferred Action Alternative would not result in a substantial increase in the generation of solid or hazardous substances or wastes, increase the exposure of persons to hazardous or toxic substances, increase the presence of hazardous or toxic materials in the environment, or place substantial restrictions on property use due to hazardous waste, materials, or site remediation.

4.12.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no effects would occur.

4.12.3 Mitigation

No mitigation measures are required. VA would implement standard construction BMPs to minimize the potential for HTMW effects during construction.

4.13 Transportation and Parking

4.13.1 Effects of the Preferred Action Alternative

Under the Preferred Action Alternative, *short-term, less-than-significant transportation and parking effects* would occur. The Proposed Action would require construction activities to occur in the parking lots and paved surfaces identified in [Figure 3](#); staff and patient vehicles would not be permitted in these specific areas during each 90-day construction period. Minimal additional construction traffic would result in negligible effects on local roadways.

The potential effects caused by the temporary decrease in available onsite parking would be controlled through the implementation of routine parking BMPs, as implemented by VA for other onsite construction projects. VA would carefully and proactively coordinate with VAMC staff, residents, visitors, and construction crews to notify affected parties of proposed temporary parking lot or roadway closures. Onsite construction activities would be staged so that the maximum possible number of parking spaces are made available at any one time. Construction crews would arrive at and leave from the Site during non-peak hours (i.e., before or after 8:00 am and 5:00 pm) in an effort to moderate traffic flow on the Site and on local roadways.

In addition, as described in Section 5.3, VA is currently constructing a new parking garage at the VAMC. This garage, anticipated to be complete by November 2011, will provide 78 additional parking spaces at the VAMC. This new parking garage would further reduce short-term, onsite parking effects associated with the Proposed Action.

Also as described in Section 5.3, VA is considering constructing a new parking structure on Parking Lot J in the northwestern portion of the VAMC. This structure would provide up to 348 net new parking spaces. If constructed, this new parking structure would further improve existing onsite parking conditions. Over the anticipated 10-year implementation timeframe of the proposed GSHP systems, this new parking garage could further reduce short-term, onsite parking effects associated with the Proposed Action.

Following each construction phase, the affected areas would be returned to pre-construction conditions as rapidly as possible. Over the long-term, the Preferred Action Alternative would not alter the existing traffic flow throughout the VAMC campus, would not reduce the current number of available parking spaces, and would not result in additional parking requirements or increased traffic levels. No long-term transportation or parking effects would occur.

As identified in Section 1.5.1, the CCC indicated that the San Francisco VAMC has known issues associated with parking shortages. The CCC recommended that VA prepare a Parking Management Plan and provide a copy of that plan to the CCC for review and comment.

VA has a San Francisco VAMC Parking Committee that stringently manages onsite parking activities and issues. As part of the Proposed Action, the Contractor would be required to submit a construction schedule and identify construction activities that would result in a reduction of vehicular parking during construction. The Parking Committee would review these data and require corrective measures to appropriately manage onsite parking issues during construction. These measures, coupled with the above-described routine parking BMPs, would ensure parking effects are maintained at acceptable levels during the construction period. As such, VA does not intend to prepare a formal Parking Management Plan.

4.13.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no transportation or parking effects would occur.

4.13.3 Mitigation

No mitigation measures are required. Implementation of the routine BMPs described in Section 4.13.1 would maintain potential short-term, less-than-significant parking effects at acceptable levels.

4.14 Vegetation and Wildlife

4.14.1 Effects of the Preferred Action Alternative

Implementation of the Preferred Action Alternative would result in *short-term, less-than-significant adverse effects* to vegetation and wildlife, including migratory birds.

During construction, work would occur primarily in previously disturbed, paved areas within a highly developed medical facility campus. Construction of structures to house the heat pumps, emplacing the GSHP system piping, and setting up drill rigs could affect landscaped portions of the VAMC. However, no native vegetation communities exist on the Site. Construction work in landscaped areas could require the removal of a small number of trees. However, as a standard BMP, VA would replace any removed trees with native tree species immediately following construction activities, and would restore all landscaped areas to pre-project conditions.

To avoid potential effects to migratory birds, VA would implement routine BMPs and avoid tree removal during the migratory bird nesting season (i.e., March through August). If tree removal must occur during this time period, VA would coordinate with a qualified biologist to ensure that no active nests are disturbed.

Due to the nature of the Proposed Action, no long-term effects to vegetation or wildlife would be anticipated during operation of the proposed GSHP systems.

4.14.2 Effects of the No Action Alternative

Under the No Action Alternative, the GSHP systems would not be installed and no vegetation or wildlife effects would occur.

4.14.3 Mitigation

No mitigation measures are required. Implementation of the routine BMPs described in Section 4.14.1 would maintain potential short-term, less-than-significant effects at acceptable levels.

4.15 Summary of Mitigation Measures

As identified in throughout Section 4, this EA recommends that VA implement routine BMPs to ensure that any potential effects resulting from the Preferred Action Alternative remain at acceptable, less-than-significant levels. As no significant adverse effects would be anticipated under the Preferred Action Alternative, no project-specific mitigation measures are proposed. Routine BMPs have been described under each technical resource area, as appropriate.

Under the No Action Alternative, no additional measures would be required. However, VA would not achieve their stated purpose of or need for the Proposed Action, and the VAMC would continue to rely primarily on traditional, non-renewable energy sources provided by Pacific Gas & Electric. The potential positive, long-term air quality and utility effects of the Preferred Action Alternative would not be realized.

SECTION 5: CUMULATIVE IMPACTS

5.1 Key Factors in Evaluating Cumulative Effects

As defined by CEQ Regulations in 40 CFR Part 1508.7, cumulative effects are those which "result from the incremental impact of the Proposed Action when added to other past, present, and reasonably foreseeable future actions, without regard to the agency (Federal or non-Federal) or individual who undertakes such other actions." Cumulative effects analysis captures the effects that result from the Proposed Action in combination with the effects of other actions taken during the duration of the Proposed Action in the same geographic area. Because of extensive influences of multiple forces, cumulative effects are the most difficult to analyze.

The NEPA and CEQ Regulations require the analysis of cumulative environmental effects of a Proposed Action, or set of actions, on resources that may often be manifested only at the cumulative level, such as traffic congestion, air quality, noise, biological resources, cultural resources, socioeconomic conditions, utility system capacities, and others.

5.2 Planned Projects in the Vicinity

The VAMC is bounded by Lincoln Park to the north, Fort Miley to the east and west, and Clement Street and residential areas to the south. Due to either the previously developed or the "protected" nature of the surrounding areas, no additional major construction projects are planned at this time. Current zoning of most lands surrounding the VAMC substantially limits any development in these areas (see Section 3.1.8).

Any minor improvement or maintenance construction projects at Fort Miley, the Golden Gate National Recreation Area, Lincoln Park, or the nearby residential areas would not likely have any significant effect on local traffic conditions or the ongoing operation of the VAMC. In addition, such activities would be in compliance with all local noise, zoning, and construction ordinances/building codes. As such, no cumulative effects are expected to result from other planned construction activities in the vicinity of the VAMC.

5.3 Projects Planned at San Francisco VA Medical Center

Based on current planning data, VA anticipates the following improvements and construction projects at the VAMC the foreseeable future. While not all are funded, the following projects have moved beyond the conceptual stage:

- **Solar Photovoltaic System.** This project, currently in the design stages, involves the installation and operation of solar PV arrays at specific locations within the VAMC. This project would contribute to VA's ability to meet the requirements of the Energy Policy Act of 2005 at the VAMC. PV arrays are proposed to be placed on the roofs of Buildings 12, 200, 203, 205, and 209. Building 203 (the main hospital) is also one of the structures proposed to receive a new GSHP system as part of the Proposed Action analyzed in this EA. VA would coordinate and time onsite construction to minimize conflicts between these two renewable energy projects, including potential cumulative transportation and parking effects in the vicinity of Building 203. The solar PV system project, in combination with the proposed GSHP systems, would result in cumulative positive utility and air quality effects.

- **Seismic Retrofit of VAMC Buildings.** This project, currently in the design stages, would seismically retrofit Buildings 4, 6, 8, 12, and 13. Building 8 is also one of the structures proposed to receive a new GSHP system as part of the Proposed Action analyzed in this EA. While the exact construction timeline is unknown, project construction activities may overlap with the proposed GSHP system project. VA would coordinate and time onsite construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects in the vicinity of Building 8.
- **Seismic Retrofit of Buildings 9 and 10, and Construction of Building 22.** This project, currently in the design stages, would seismically retrofit Buildings 9 and 10, and establish overnight lodging units in a new structure (Building 22). The project site is located in the northeastern part of the VAMC campus. These buildings are also three of the structures proposed to receive new GSHP systems as part of the Proposed Action analyzed in this EA. Implementation of this project would include the establishment of a temporary construction staging area in the vicinity of Buildings 9 and 10 (and the future site of Building 22) that would require the temporary usage of several parking spaces. VA would coordinate and time onsite construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects in the vicinity of Buildings 9 and 10.
- **Emergency Department Expansion/Clinical Support Annex.** This project would expand the Emergency Department, located in the northern portion of Building 200, into an adjacent ambulance entrance. Project implementation would include the establishment of a temporary staging area near Building 200 that would also be used during the seismic retrofit of Building 13. VA would coordinate and time onsite construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects at the VAMC.
- **Construction of a Parking Garage in the Footprint of Parking Lot A.** This project, construction of which commenced on 4 April 2011, involves the development of a two-story parking garage in the footprint of Parking Lot A, located in the southeast corner of the VAMC campus. The construction timeline is estimated to be six months in duration, with completion in approximately November 2011. Project construction would temporarily eliminate approximately 80 parking spaces presently located in Parking Lot A. An alternate parking and shuttle schedule has been implemented by VA to provide several alternate onsite and offsite parking locations, with 15-minute headway shuttle service during the 6-month construction period. Once the project is completed, the parking garage will provide a net gain of 80 parking spaces onsite, which will reduce existing parking congestion. Due to the timing of this project, no conflicts with the Proposed Action analyzed in this EA are anticipated. The additional parking would be available prior to implementation of this Proposed Action.
- **Construction of a Sleep Study and Psychiatric Care Facility.** This project involves the construction of Building 24, a new three-story facility (approximately 15,000 square feet) to co-locate the sleep study center with the psychiatric care facility. Related to this project would be the decommissioning of Buildings 20 and 32. Building 20 is currently used for storage and Building 32, a temporary, modular building placed on the campus in 1991, contains the onsite childcare center. Prior to demolition of Building 32, the childcare center will be relocated in the northeast corner of the campus, north of Building 11. VA would coordinate and time onsite construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects at the VAMC.
- **Construction of a new Veterinary Medical Unit (VMU).** This project involves the development of a new facility for veterinary research at the VAMC. The existing research facilities at VAMC are in poor condition and are housed in four different buildings, with a majority of the research conducted in Building 12 (which is considered a seismically "exceptionally high risk" structure), along with Trailer 17 and Building 21. The purpose of the new facility is to consolidate all VMU-related research operations into one modern facility. The site for the proposed VMU facility is located in a triangular open area between Buildings 6 and 12. Trailer 17 would be demolished/removed as part of this project. VA

would coordinate and time onsite construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects at the VAMC.

- **Construction and operation of a new parking structure and Emergency Operations Center.** This project would result in construction of a new parking structure and Emergency Operations Center on the site of existing Parking Lot J in the northwestern portion of the VAMC campus. Proposed GSHP boring field L11 is co-located with this proposed project. Once constructed, the new parking structure would provide a total of up to 348 net new parking spaces and would provide space for various emergency response facilities to enhance the ability of the VA to carry out its designated responsibilities during a natural disaster or national emergency. VA would coordinate and time onsite construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects at the VAMC and potential conflicts between the proposed parking structure and boring field L11.
- **Construction of Building 16 Addition.** This project, currently in the design stage, would include the construction of a new building/addition next to Building 16 in the southwestern portion of VAMC campus. This new building is also one of the structures proposed to receive a GSHP system as part of the Proposed Action analyzed in this EA. VA would coordinate and time on-site construction to minimize conflicts between these two projects, including potential cumulative transportation and parking effects in the vicinity of Building 16.
- **Implementation of the San Francisco VAMC Institutional Master Plan (IMP).** The VAMC IMP contemplates adding approximately 924,200 square feet of new construction to upgrade the VAMC to meet the needs of Veterans of the North Coast and San Francisco Bay Area over the next 20 years. Specifically, the VAMC IMP addresses construction of new buildings/structures for patient care, research, administration, and parking, as well as retrofitting seismically deficient buildings. VA would coordinate and time onsite construction to minimize conflicts between these projects, including potential cumulative transportation and parking effects at the VAMC.

5.4 Cumulative Impacts

The Proposed Action would result in the effects identified throughout Section 4. These effects are generally site-specific (i.e., within the boundaries of the VAMC) and would not contribute to cumulative adverse effects in the area or region. All individual effects of the Proposed Action at the VAMC would be maintained at acceptable levels with implementation of identified BMPs.

Based on the other identified projects at the VAMC campus, *transportation and parking* is identified as the primary resource area that would be susceptible to adverse cumulative effects. However, these effects, in all cases, would be temporary and relatively short-term. Adverse cumulative effects to other evaluated resource areas—*aesthetics, air quality, community services/utilities, cultural resources, water resources, geology and soils, hydrology/water quality, land use, noise, socioeconomics, solid/hazardous waste, and vegetation and wildlife*—would not be anticipated to occur, even when considered collectively with other identified past, current, or reasonably foreseeable actions.

Ultimately, the other identified projects at the VAMC campus, individually and when combined with the Proposed Action, would have long-term, beneficial impacts to *community services/utilities*. Installation of the proposed GSHP systems, when combined with proposed solar arrays, seismic improvements, and emergency service and clinical expansion at the VAMC, would enable VA to provide safer and better services to the community served by the VAMC, as well as decreased reliance on non-renewable energy sources.

Short-term cumulative effects associated with construction activities would increase traffic volumes on local roadways (e.g., Clement Street) and within the VAMC campus. During construction phases, depending on the extent to which construction timelines overlap, increased demand for parking during construction, coupled with the closure of some parking spaces to establish temporary construction staging areas, would likely have short-term, adverse cumulative effects on parking at the campus since the VAMC's inventory of parking spaces is already in a deficit situation.

Implementation of BMPs identified in Section 4 would help to offset these short-term, cumulative effects. However, it is recommended that the simultaneous closure of multiple parking spaces in multiple areas of the VAMC campus be avoided to the extent practicable. As a responsibility of VA, future development and operation of the VAMC, including onsite parking, utilities, and construction, would be carefully planned, coordinated, and executed to ensure no conflicts occur and activities are fully synchronized. Through careful coordination on the part of VA, these activities would be scheduled to reduce conflicting timelines and to minimize any reduction of already limited parking resources. It is also noted that, included within these current or reasonably foreseeable actions, up to 428 net new parking spaces at the VAMC may be constructed. These new parking facilities would serve to reduce adverse cumulative parking effects to acceptable levels, and may actually have a positive long-term cumulative transportation and parking effect.

As all of these proposed projects and facility improvements are currently planned for an existing, heavily developed medical facility, no additional cumulative adverse effects to biological or water resources would be anticipated; no natural vegetation communities or special wildlife habitat are present at the VAMC. The above-mentioned projects would be constructed to further improve or expand the VAMC's current use as a medical facility. VA would comply with all applicable Federal, state, and local regulations and requirements, including local noise and zoning ordinances, as part of any new construction project. VA would also continue to comply with Section 106 of the NHPA to ensure no adverse effects to cultural resources, including the onsite Historic District, would occur. As such, no significant adverse cumulative effects would be anticipated.

Therefore, implementation of the Proposed Action is not expected to cumulatively significantly adversely impact any technical resource area discussed in this EA. Through implementing the BMPs identified in this EA, VA would control and further reduce identified impacts.

Under the No Action Alternative, no adverse individual or cumulative effects would occur (see Section 4). However, the VAMC would continue to rely primarily on traditional, non-renewable energy sources provided by Pacific Gas & Electric, with the exception of the proposed solar PV systems. The potential positive, long-term air quality and utility effects of the Proposed Action would not be realized.

SECTION 6: SOURCES CONSULTED

Agencies Consulted**U.S. Fish and Wildlife Service – Region 8
Pacific – Southwest Regional Office
Office of External Affairs**

2800 Cottage Way, Room W-2606
Sacramento, California 95825
Phone: (916) 414-6464

**US Environmental Protection Agency,
Region 9**

FOIA Officer, OPA-3
75 Hawthorne Street,
San Francisco, California 94105
Phone: (415) 947-3591

**US Army Corps of Engineers – Sacramento
District**

Public Affairs Office
1325 J Street
Sacramento, California 95814
Phone: (916) 557-7490

**Bureau of Land Management – Hollister
Field Office**

20 Hamilton Court
Hollister, California 95023
Phone: (831) 630-5000

California Department of Conservation

Division of Land Resources Protection
801 K Street, MS 18-01
Sacramento, California 95814
Phone: (916) 322-1080

California Department of Conservation

Division of Oil, Gas, and Geothermal
801 K Street, MS 20-20
Sacramento, California 95814
Phone: (916) 323-1777

**California Environmental Protection
Agency**

Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
Phone: (510) 622-2300

**California Environmental Protection
Agency****Air Resources Board**

Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109-7799
Phone: (415) 749-5000

**California Department of Toxic
Substances Control**

P.O. Box 806
Sacramento, California 95812-0806
Phone: (916) 255-3618

California Department of Fish and Game

1416 9th Street, 12th Floor
Sacramento, California 95814
Phone: (916) 445-0411

California Department of Transportation

District 4
111 Grand Avenue
P.O. Box 23660
Oakland, California 94623-0660
Phone: (510) 286-4444

**California Office of Historic Preservation
(SHPO)**

1725 23rd Street, Suite 100
Sacramento, California 95816
Phone: (916) 445-7000

**California Association of Resource
Conservation Districts**

801 K Street Suite 1415
Sacramento, California 95814
Phone: (916) 457-7904

California Resources Agency

1416 Ninth Street, Suite 1311
Sacramento, California 95814
Phone: (916) 653-5656

**Natural Resources Conservation Service
– Eureka Service Center**

5630 South Broadway Street
Eureka, California 95503-6998
Phone: (707) 442-6058

**San Francisco Department of Building
Inspection**

1660 Mission Street
San Francisco, California 94103
Phone: (415) 558-6088

**San Francisco Office of Economic and
Workforce Development**

1 Dr. Carlton B. Goodlett Place, Room 448
San Francisco, California 94102
Phone: (415) 554-6969

San Francisco Environment Department

11 Grove Street
San Francisco, California 94102
Phone: (415) 355-3700

San Francisco Planning Department

1650 Mission Street, Suite 400
San Francisco, California 94103-2479
Phone: (415) 558-6377

**San Francisco Municipal Transportation
Agency**

1 South Van Ness Avenue
San Francisco, California 94103
Phone: (415) 701-4500

San Francisco Public Works Department

1 Dr. Carlton B. Goodlett Place
City Hall, Room 348
San Francisco, California 94102
Phone: (415) 554-6920

**San Francisco Recreation and Parks
Department**

McLaren Lodge-Golden Gate Park
501 Stanyan Street
San Francisco, California 94117
Phone: (415) 831-2700

SECTION 7: REPORT PREPARERS

This report was prepared for, and under the direction of, the US Department of Veterans Affairs by TTL Associates, Inc. Members of the professional staff are listed below:

TTL ASSOCIATES, INC. (CONSULTANTS)

Name	Role	Degree	Years of Experience
Brian W. Boose	Technical Lead, Document Preparation, DOPAA, Environmental Impact Analysis	B.S., Biological Sciences/Ecology 1990	22
Paul J. Jackson	Technical Review, Scoping Coordination, and HTMW	B.A., Biology/English 1992	13
Rob Clark	Project Manager, Technical QA/QC Review; Geology; Groundwater Resources	B.S., Aquatic Environments/Environmental Science 1985	26
Erin J. McNutt	Document Preparation, DOPAA, Affected Environment	B.S., Conservation 2008 M.S., Ecology 2010	2

SECTION 8: REFERENCES

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Websites

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California Air Resources Board 2008.

<http://www.arb.ca.gov/research/aaqs/caaqs/caaqs.htm>

California Environmental Protection Agency Air Resources Board Laws and Regulations

<http://www.arb.ca.gov/html/lawsregs.htm>

Fort Miley/VA Medical Center History

<http://www.outsidelands.org/fort-miley-va-ctr2.php>

Legion of Honor Fine Arts Museums of San Francisco

<http://legionofhonor.famsf.org/about/history-legion-honor>

San Francisco Bay Conservation and Development Commission

<http://www.bcdc.ca.gov>

San Francisco Metropolitan Transportation Commission Schedules and route Map

<http://transit.511.org/schedules/index.aspx?#m1=S&m2=bus&routeid=43878&cid=SF>

San Francisco Planning Department

<http://www.sf-planning.org>

San Francisco Property Information Map

<http://ec2-50-17-237-182.compute-1.amazonaws.com/PIM>

San Francisco Public Schools Profile

<http://www.sfusd.edu/en/about-sfusd/sfusd-profile.html>

San Francisco Recreation & Park Department

<http://sfrecpark.org/WhoWeAre.aspx>

US Department of Agriculture Natural Resource Conservation Service Web Soil Survey

<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

US Environmental Protection Agency Green Book Nonattainment Areas for Criteria Pollutants

<http://www.epa.gov/oar/oaqps/greenbk>

APPENDIX A
Consultation Documents



DEPARTMENT OF CONSERVATION

Managing California's Working Lands

DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES

801 K STREET • MS 20-22 • SACRAMENTO, CALIFORNIA 95814

PHONE 916 / 322-1110 • FAX 916 / 322-01201 • TDD 916 / 324-2555 • WEB SITE www.conservation.ca.gov

August 2, 2011

Mr. Paul L. Jackson
Environmental Scientist
TTL Associates, Inc.
44265 Plymouth Oaks Boulevard
Plymouth, Michigan 48170

RE: INTERGOVERNMENTAL AND INTERAGENCY COORDINATION OF ENVIRONMENTAL PLANNING FOR THE: DEPARTMENT OF VETERANS AFFAIRS (VA) PROPOSED GROUND SOURCE HEAT PUMP SYSTEM PROJECT SAN FRANCISCO VA MEDICAL CENTER (VAMC) 4150 CLEMENT STREET, SAN FRANCISCO, CALIFORNIA 94121

Dear Mr. Jackson:

The Division of Oil, Gas and Geothermal Resources (DOGGR) is mandated by Section 3106 of the Public Resources Code (PRC) to supervise the drilling, operation, maintenance, and plugging and abandonment of oil and gas wells. The DOGGR has no authority over the regulation of ground source heat pump system and has no comment on the proposed project for the San Francisco VA Medical Center.

According to DOGGR Online Mapping System (DOMS), no active or abandoned oil or gas wells have been identified within the project area. However, if any abandoned or unrecorded wells are uncovered or damaged during excavation or grading, remedial plugging operations may be required. This office must be contacted to obtain information on the requirements for and approval to perform remedial operations.

Thank you for the opportunity to comment on this project. Please contact Michael Woods at (916) 322-1110 or at mwoods@consrv.ca.gov if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Yuko Sakano".

Yuko Sakano, Ph.D.
Environmental Scientist

cc: Michael L. Woods, District Deputy, DOGGR, District 6
Tian-Ting, Shih, Ph.D., Environmental Program Manger, DOGGR



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105**

August 08, 2011

Mr. Paul Jackson
TTL Associates, Inc.
44265 Plymouth Oaks Boulevard
Plymouth, MI 48170

Freedom of Information Act (FOIA), 5 U.S.C. 552
Request #: 09-FOI-00537-11

Dear Mr. Jackson:

Thank you for your FOIA request dated July 25, 2011 and received in this office on August 08, 2011, for records related to:

Intergovernmental and Interagency Coordination of Environmental Planning for the: VA,
Proposed Ground Source Heat Pump System Project, VAMC

The Agency has twenty (20) working days to respond to your request, except when you have agreed to an alternate due date or unusual circumstances exist that would require an extension of time under 5 U.S.C. 552 (a) (6) (B).

We hope to respond to you soon. In the interim, please contact us if you have any questions about your request. Please cite your FOIA request number in all communications.

Sincerely,

Ivry Johnson
Freedom of Information Officer
Office of Public Affairs
(415) 947-4251
(415) 947-3591 Fax



Phone Conversation Record

Date 08-16-11 Time _____ Project No. 7668.01

Originator PJJ _____ Placed Call _____ Received Call X _____

CONVERSATION WITH:

Name: Larry Kessler _____ Phone 415-252-3841

Company: San Francisco Department of Public Health (SFPDH) _____

Address _____

Subject: Records _____

Notes SFPDH does not oversee federal projects if government is doing the work. Oversight only is non-federal organization doing the project for/on behalf of the federal government.

Follow Up Action: None _____

Follow Up By _____

Originator's Initials: PJJ _____

Route To: _____

Paul Jackson

From: Filice, Frank [Frank.Filice@sfdpw.org]
Sent: Friday, August 19, 2011 12:34 PM
To: pjackson@tlassoc.com
Cc: Sweiss, Fuad
Subject: San Francisco VA Medical Center Ground Source Heat Pump System Project
Attachments: SKMBT_36311080315130.pdf

Dear Mr. Jackson.

I reviewed the attend letter sent to the San Francisco Department of Public Works dated July 25, 2011. We have not technical information for your project. Your site is surrounded by the GGNRA and I sent a copy of you request for information to Steve Ortega.

At one time there was a coastal roadway along point lobos that has eroded a way. It's now called lands end trail the hill side exposure give some expression of the soil times. My understanding is the general soil conditions are a Franciscan mélange and may contain serpentinite. I would recommend a detail soils report to understand the interaction of you project with the surrounding soil conditions.

Thank you

Frank V. Filice
Manager of Regulatory Affairs
San Francisco Department of Public Works
Infrastructure Design & Construction
30 Van Ness Ave 5th Floor
415.558.4011 (Phone)
415.558.4519 (fax)
frank.filice@sfdpw.org

APPENDIX B
Photograph Log



Photo #1: Looking east across the VAMC Campus.



Photo #2: Looking east at Building 9.



Photo #3: Looking northeast at Building 10.



Photo #4: Looking northeast at Building 11.



Photo #5: Looking northeast at Buildings 3, 7, and 210.



Photo #6: Looking southeast at Building 208.



Photo #7: Looking north at GSHP location L1.



Photo #8: Looking north at GSHP location L2.



Photo #9: Looking north at GSHP location L3.



Photo #10: Looking south at GSHP location L3.



Photo #11: Looking south at GSHP location L5.



Photo #12: Looking southeast at GSHP location L5.



Photo #13: Looking southeast at GSHP location L6.



Photo #14: Looking south at GSHP location L7.



Photo #15: Looking northeast at GSHP location L8.



Photo #16: Looking northwest at GSHP locations L9 and L10.



Photo #17: Looking southeast at GSHP locations L9 and L10.



Photo #18: Looking northeast at GSHP location L12.



Photo #19: Looking northwest at GSHP locations L13 and L14.



Photo #20: Looking northwest at GSHP locations L13 and L14 and the north adjoining Golden Gate National Recreation Area.



Photo #21: Looking east at the east adjoining Golden Gate National Recreation Area.



Photo #22: Looking southeast at the south adjoining Outer Richmond District residential neighborhood.



Photo #23: Looking south at the south adjoining Outer Richmond residential neighborhood.



Photo #24: Looking northwest west adjoining Golden Gate National Recreation Area and the World War II concrete bunkers.

APPENDIX C

Completed "Attachment B" and Checklist from the VA Environmental Compliance Manual

ATTACHMENT B - INFORMATION CONCERNING HISTORIC PRESERVATION

	<u>YES</u>	<u>NO</u>
Is this property on the National Register of Historic Places (NRHP)?	<u> X </u>	<u> </u>
Is this property on the official listing of properties eligible for the National Register of Historic Places?	<u> X </u>	<u> </u>
Is this property on the State Inventory of Historic Property?	<u> </u>	<u> X </u>
Has this property been surveyed:		
- By the state	<u> </u>	<u> X </u>
- By the holding agency if Federal property	<u> X </u>	<u> </u>
Did the survey include archaeology?	<u> </u>	<u> X </u>
Are any nearby properties on the National Register of Historic Places (NRHP)?	<u> X </u>	<u> </u>
Is any nearby property on the State inventory?	<u> </u>	<u> X </u>
Has the State surveyed the nearby properties?	<u> </u>	<u> X </u>
If any nearby property is Federally owned, has the holding agency surveyed the property?	<u> </u>	<u> X </u>
Does the State Archaeologist have any registered sites on any nearby property?	<u> </u>	<u> X </u>
For all buildings to be demolished: <u> N/A </u> .		
- approximate age <u> </u>		
- uses <u> </u>		
- exact number of buildings <u> </u>		
For cemeteries:		
- are remains still there or have they been moved? (This is especially important for former military posts.)	<u> </u>	<u> N/A </u>
For all military posts: date established <u> Fort Miley (1902) </u> .		

Comments:

**ENVIRONMENTAL ASSESSMENT SUMMARY (CHECKLIST)
DEPARTMENT OF VETERANS AFFAIRS**

VA FACILITY: San Francisco VAMC; San Francisco, California
PROJECT NO.: 7668.01
PROJECT TITLE: Proposed Ground Source Heat Pump Systems
ASSESSED BY: TTL Associates, Inc.

STAFF RECOMMENDATION DATE: September 2, 2011

RECOMMENDATION:

- DEFER ACTION
- EA COMPLETE (FONSI)
- SUPPLEMENTAL EA REQUIRED
- EIS REQUIRED

CHECKLIST FOR ALTERNATIVES #1 AND/OR #2

IMPACTS ATTRIBUTES

KEY: S = SEVERE MI = MINIMAL M = MODERATE N = NONE

S M MI N

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AESTHETICS
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AIR QUALITY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AVIATION/RADAR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	COMMUNITY SERVICES
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CULTURAL RESOURCES
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ECONOMIC ACTIVITY
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FLOODPLAINS, WETLANDS, COASTAL ZONE, ETC.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GEOLOGY AND SOILS
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HISTORIC
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HYDROLOGY AND WATER QUALITY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	LAND USE
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NOISE
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POTENTIAL FOR GENERATING SUBSTANTIAL CONTROVERSY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	REAL PROPERTY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RESIDENT POPULATION
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SOLID/HAZARDOUS WASTE
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TRANSPORTATION AND PARKING
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UTILITIES
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VEGETATION AND WILDLIFE
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VISUAL RESOURCES
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US ENVIRONMENTAL REGULATIONS

APPENDIX D
Other Relevant Environmental Data



Proposed GSHP

4150 Clement Street
San Francisco, CA 94121

Inquiry Number: 3132885.3
July 25, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/25/11

Site Name:

Proposed GSHP
4150 Clement Street
San Francisco, CA 94121

Client Name:

TTL Associates, Inc
44265 Plymouth Oaks Blvd
Plymouth, MI 48170



EDR Inquiry # 3132885.3

Contact: Paul Jackson

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by TTL Associates, Inc were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Proposed GSHP
Address: 4150 Clement Street
City, State, Zip: San Francisco, CA 94121
Cross Street:
P.O. # 6667
Project: 7668.01
Certification # 086A-4A7F-AA04



Sanborn® Library search results
Certification # 086A-4A7F-AA04

Maps Provided:

1999 1913
1990
1988
1975
1967
1950

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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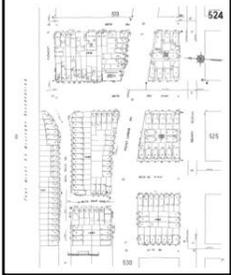
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Sanborn Sheet Thumbnails

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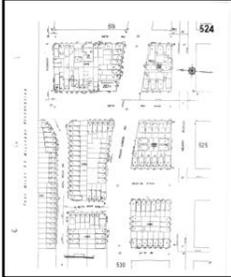


1999 Source Sheets



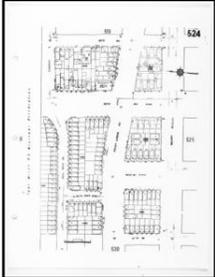
Volume 5, Sheet 524

1990 Source Sheets



Volume 5, Sheet 524

1988 Source Sheets



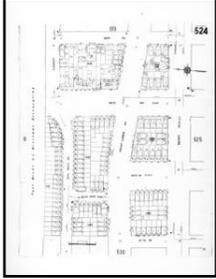
Volume 5, Sheet 524

1975 Source Sheets



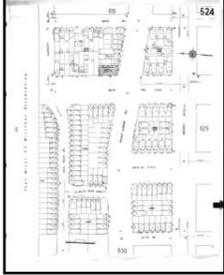
Volume 5, Sheet 524

1967 Source Sheets



Volume 5, Sheet 524

1950 Source Sheets



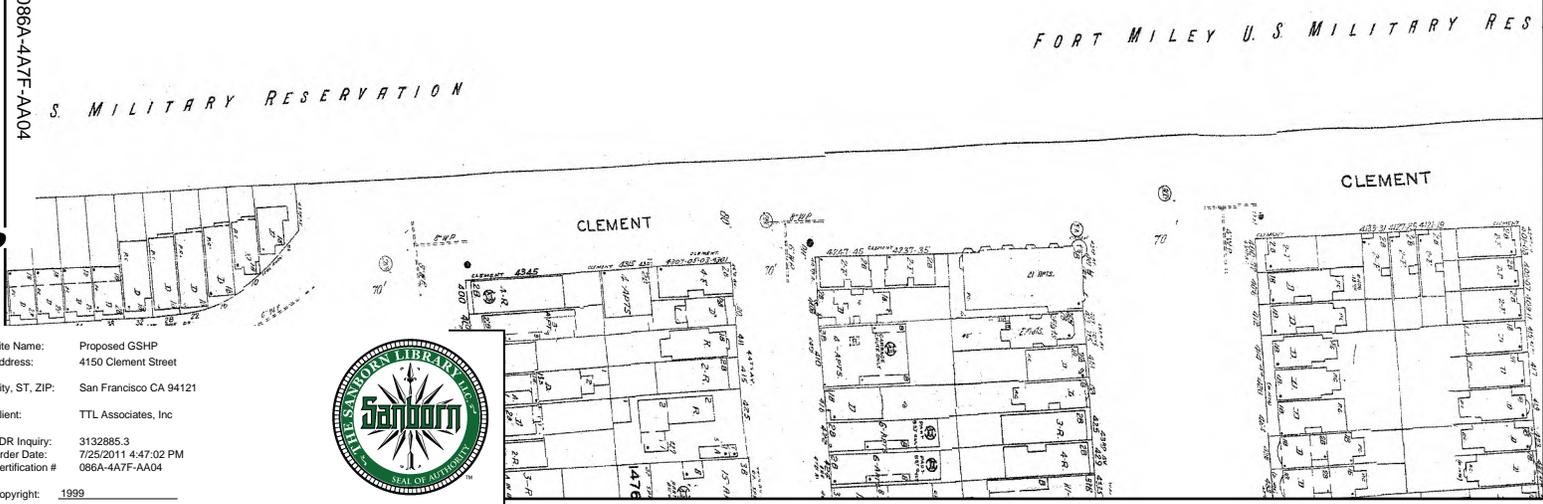
Volume 5, Sheet 524

1913 Source Sheets

1999 Certified Sanborn Map

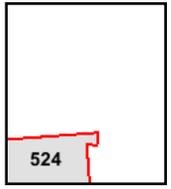
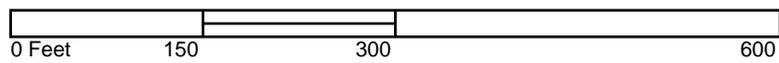
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Site Name: Proposed GSHP
 Address: 4150 Clement Street
 City, ST, ZIP: San Francisco CA 94121
 Client: TTL Associates, Inc
 EDR Inquiry: 3132885.3
 Order Date: 7/25/2011 4:47:02 PM
 Certification #: 086A-4A7F-AA04
 Copyright: 1999

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Volume 5, Sheet 524



1990 Certified Sanborn Map

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FORT MILEY U.S. MILITARY RES

CLEMENT

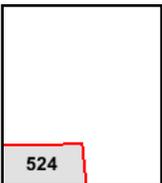
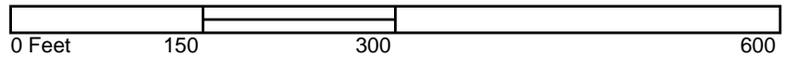
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 Address: 4150 Clement Street
 City, ST, ZIP: San Francisco CA 94121
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1988 Certified Sanborn Map

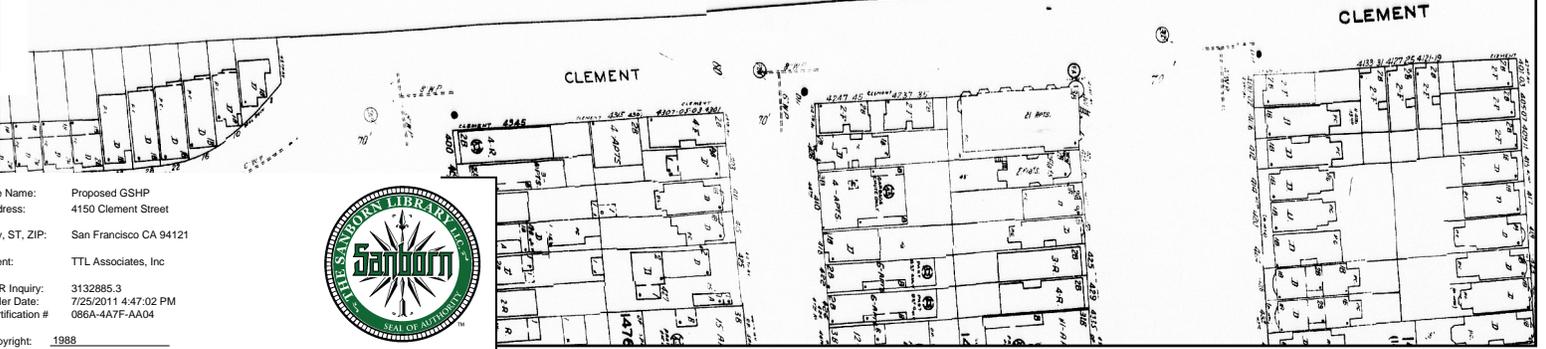
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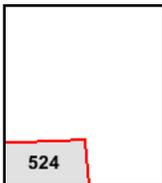
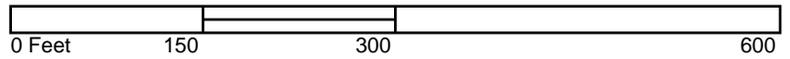


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 Address: 4150 Clement Street
 City, ST, ZIP: San Francisco CA 94121
 Client: TTL Associates, Inc
 EDR Inquiry: 3132885.3
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1975 Certified Sanborn Map

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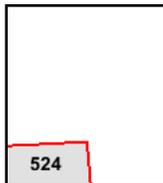
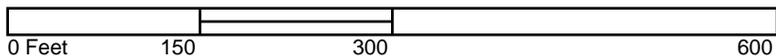


Site Name: Proposed GSHP
 Address: 4150 Clement Street
 City, ST, ZIP: San Francisco CA 94121
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Volume 5, Sheet 524



1967 Certified Sanborn Map

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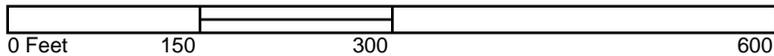
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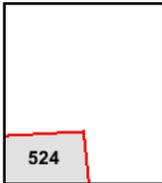
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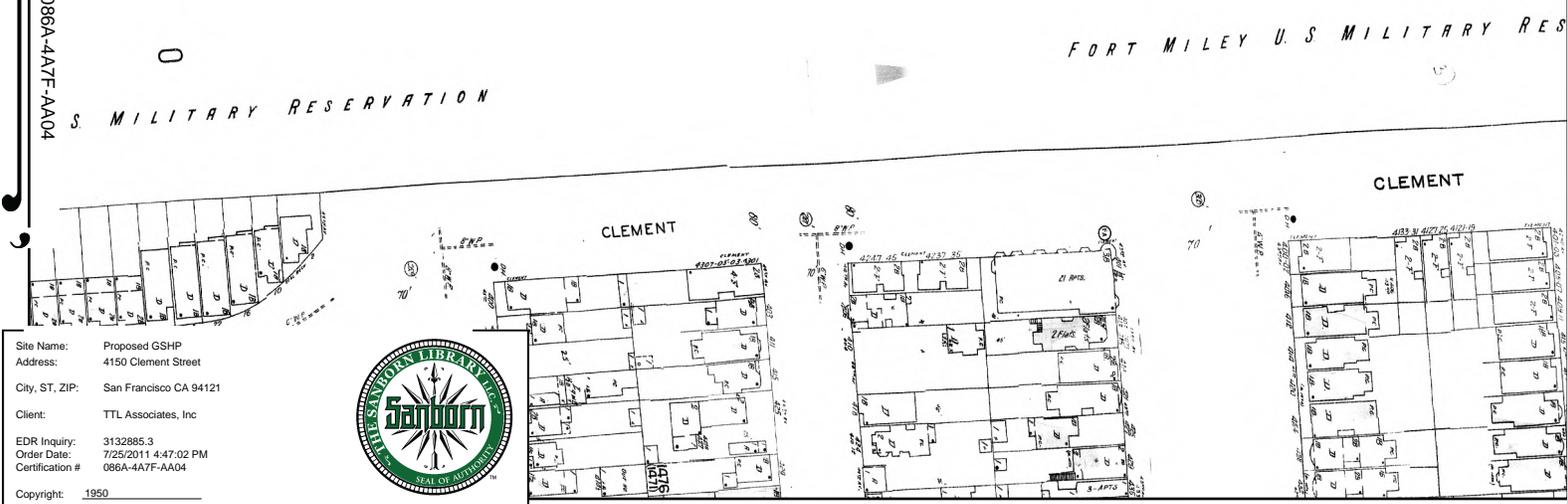
Volume 5, Sheet 524



1950 Certified Sanborn Map

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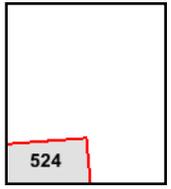
Certification # 086A-4A7F-AA04



Site Name: Proposed GSHP
 Address: 4150 Clement Street
 City, ST, ZIP: San Francisco CA 94121
 Client: TTL Associates, Inc
 EDR Inquiry: 3132885.3
 Order Date: 7/25/2011 4:47:02 PM
 Certification # 086A-4A7F-AA04
 Copyright: 1950



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

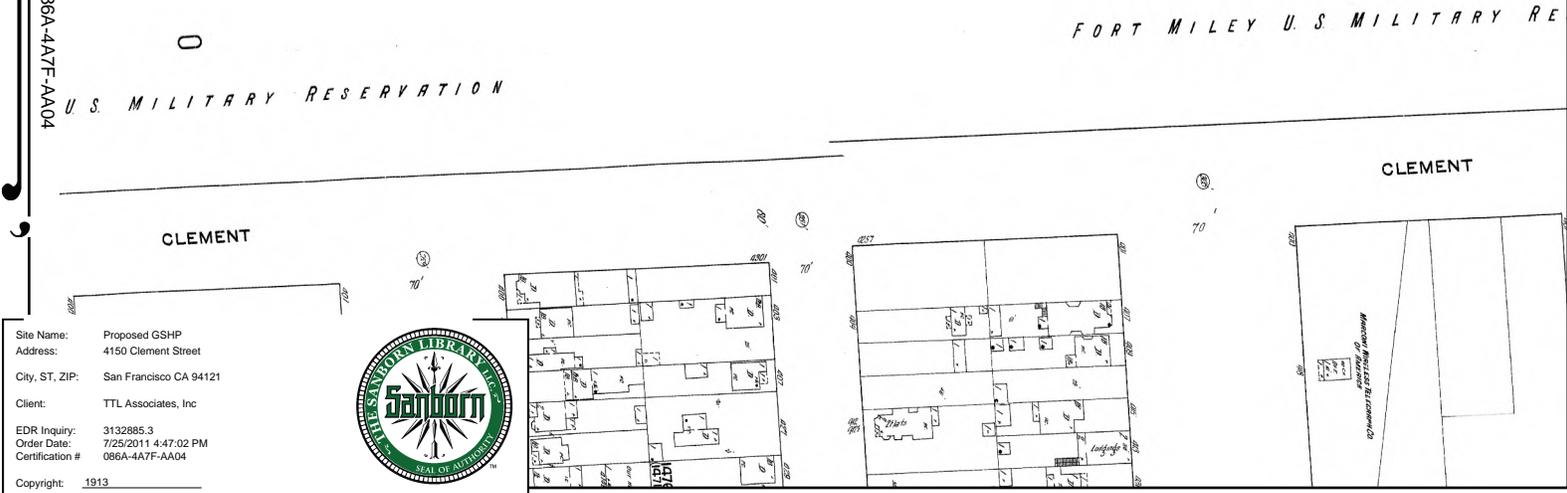


Volume 5, Sheet 524

1913 Certified Sanborn Map

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Certification # 086A-4A7F-AA04



Site Name: Proposed GSHP
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 Certification # 086A-4A7F-AA04



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.





Proposed GSHP

4150 Clement Street
San Francisco, CA 94121

Inquiry Number: 3132885.4
July 25, 2011

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

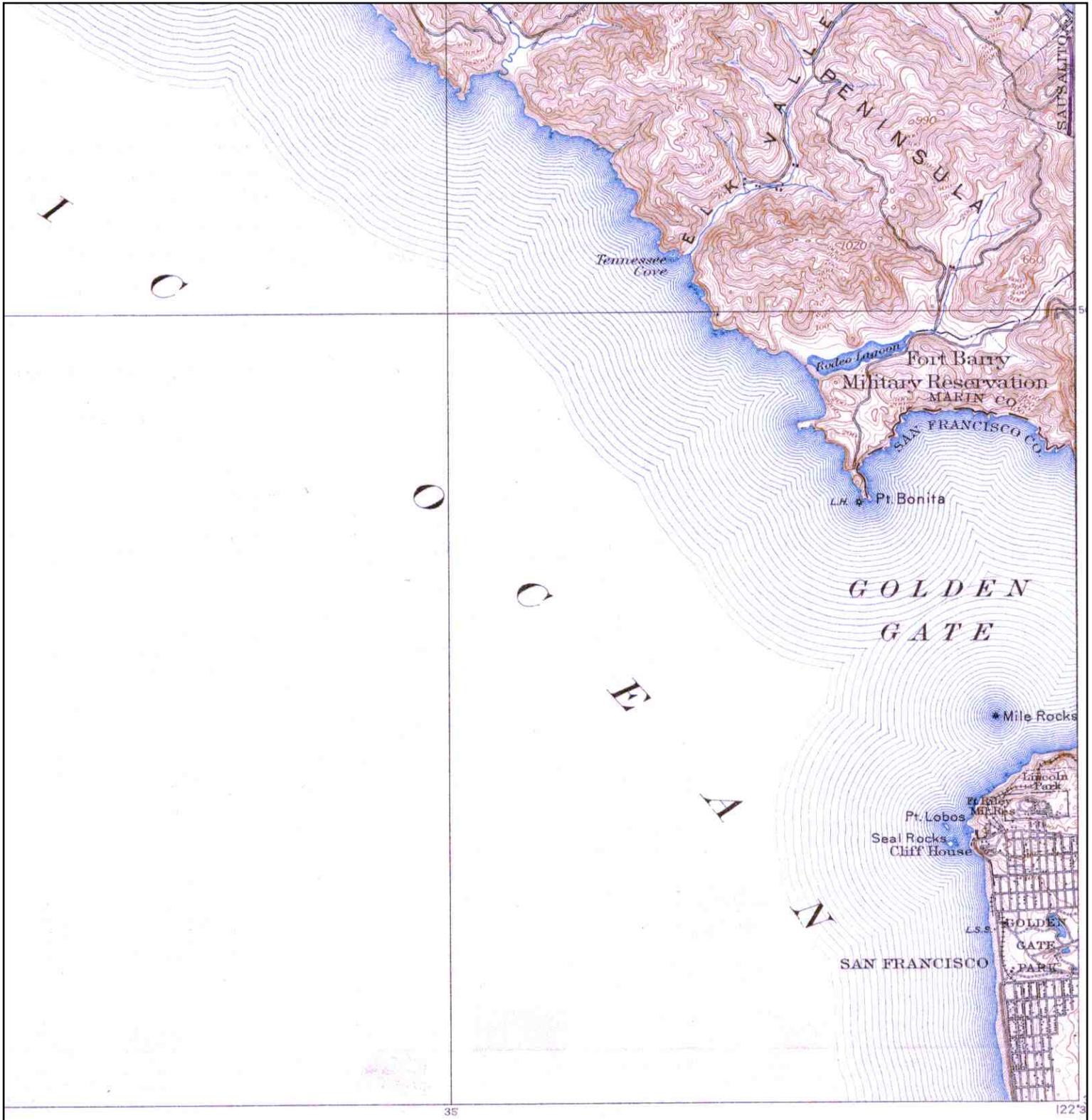
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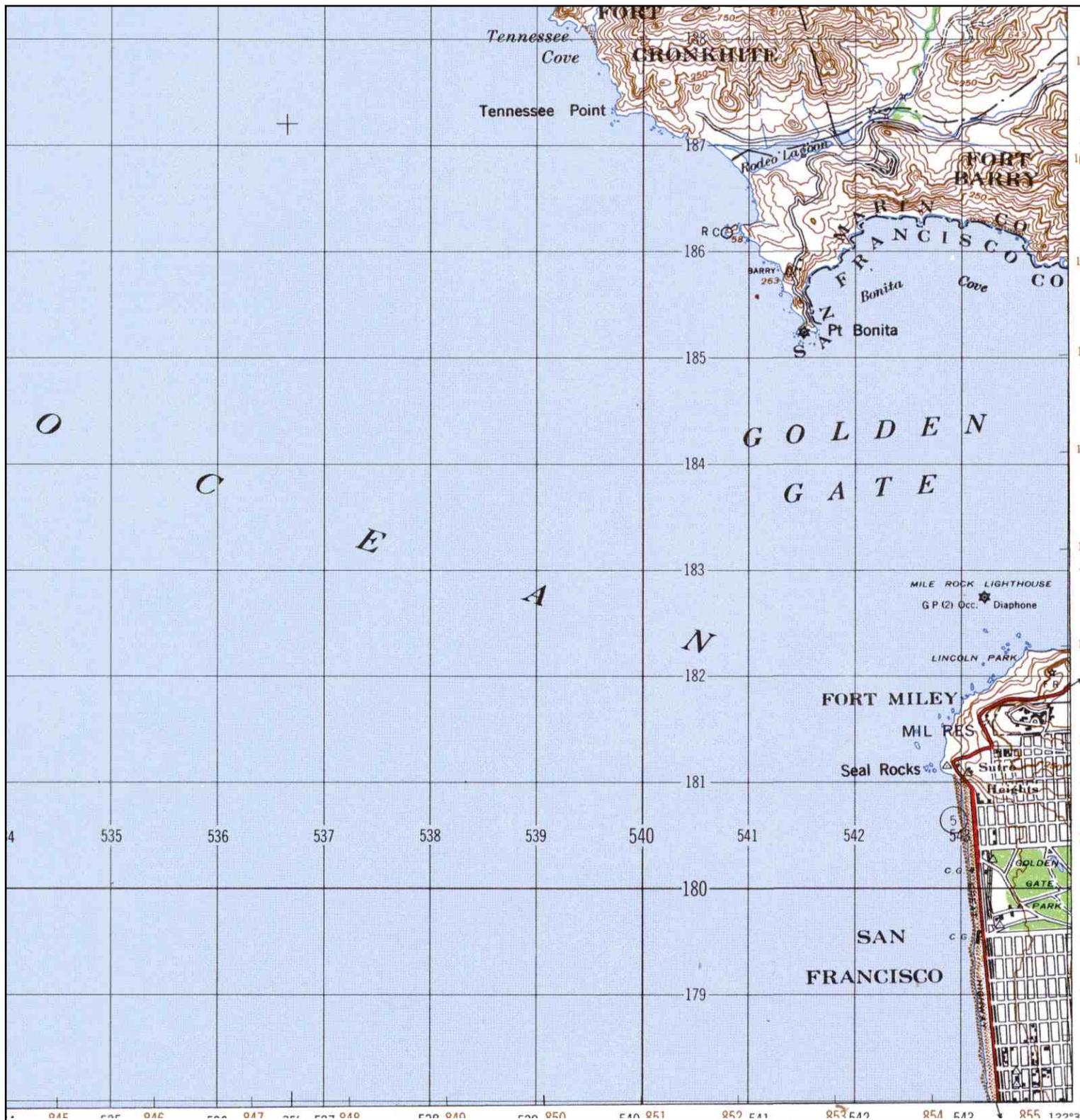
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Historical Topographic Map



	TARGET QUAD NAME: TAMALPAIS MAP YEAR: 1897	SITE NAME: Proposed GSHP ADDRESS: 4150 Clement Street San Francisco, CA 94121 LAT/LONG: 37.7823 / -122.5053	CLIENT: TTL Associates, Inc CONTACT: Paul Jackson INQUIRY#: 3132885.4 RESEARCH DATE: 07/25/2011
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



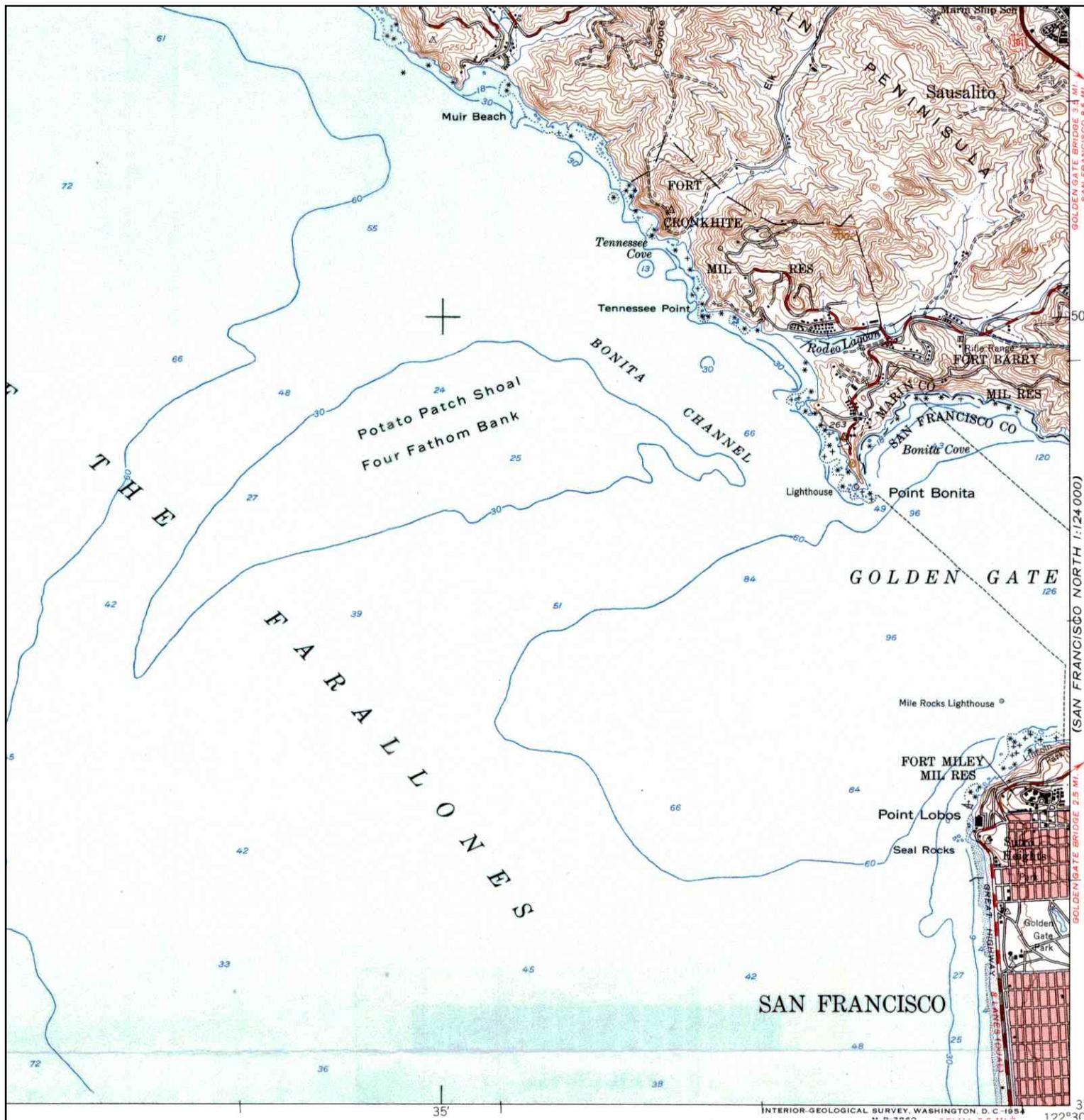
	TARGET QUAD NAME: TAMALPAIS MAP YEAR: 1947	SITE NAME: Proposed GSHP ADDRESS: 4150 Clement Street San Francisco, CA 94121 LAT/LONG: 37.7823 / -122.5053	CLIENT: TTL Associates, Inc CONTACT: Paul Jackson INQUIRY#: 3132885.4 RESEARCH DATE: 07/25/2011
	SERIES: 15 SCALE: 1:50000		

Historical Topographic Map



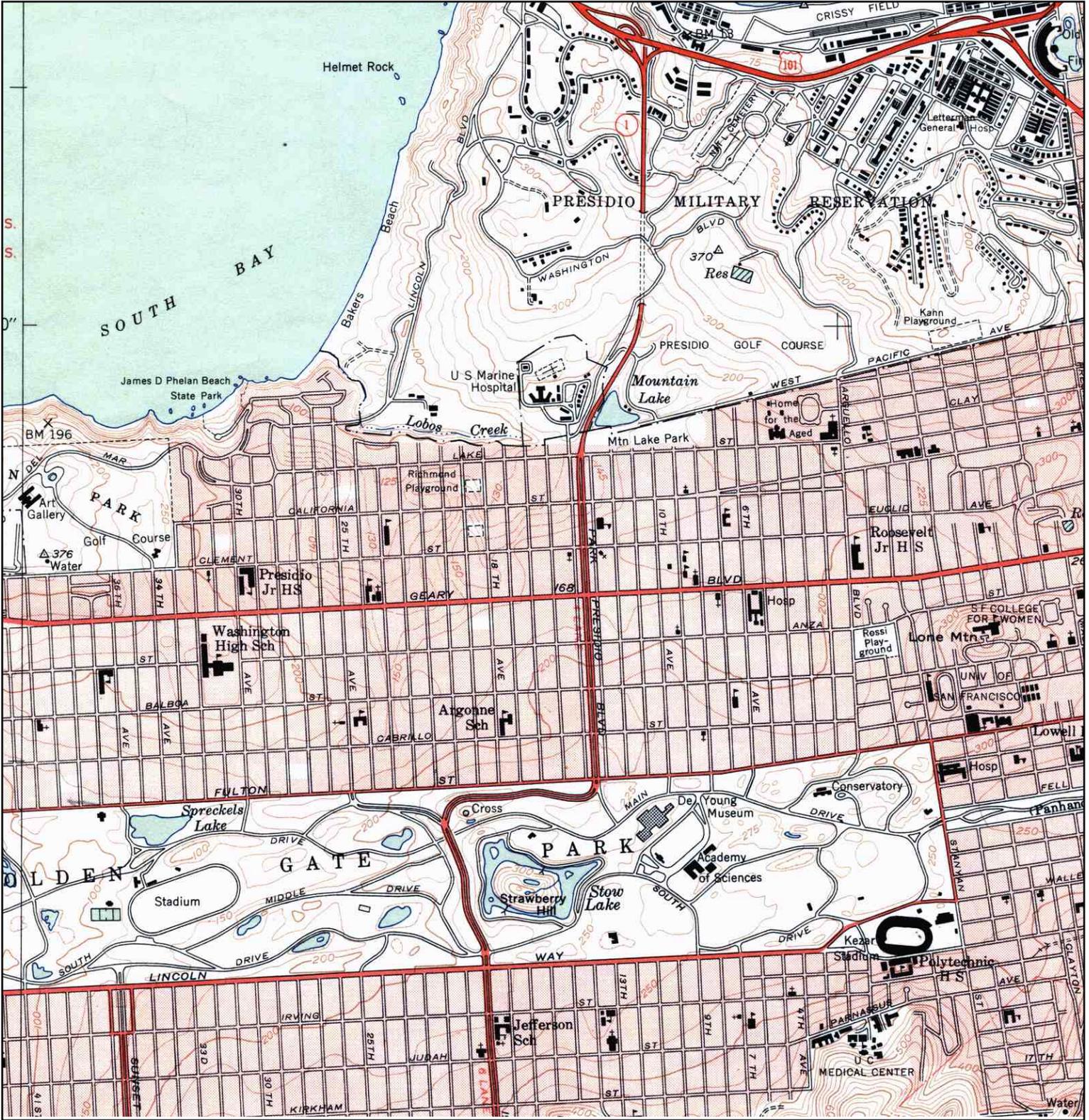
<p>N ↑</p>	TARGET QUAD	SITE NAME: Proposed GSHP	CLIENT: TTL Associates, Inc
	NAME: SAN FRANCISCO NORTH	ADDRESS: 4150 Clement Street San Francisco, CA 94121	CONTACT: Paul Jackson
	MAP YEAR: 1947	LAT/LONG: 37.7823 / -122.5053	INQUIRY#: 3132885.4
	SERIES: 7.5		RESEARCH DATE: 07/25/2011
	SCALE: 1:24000		

Historical Topographic Map



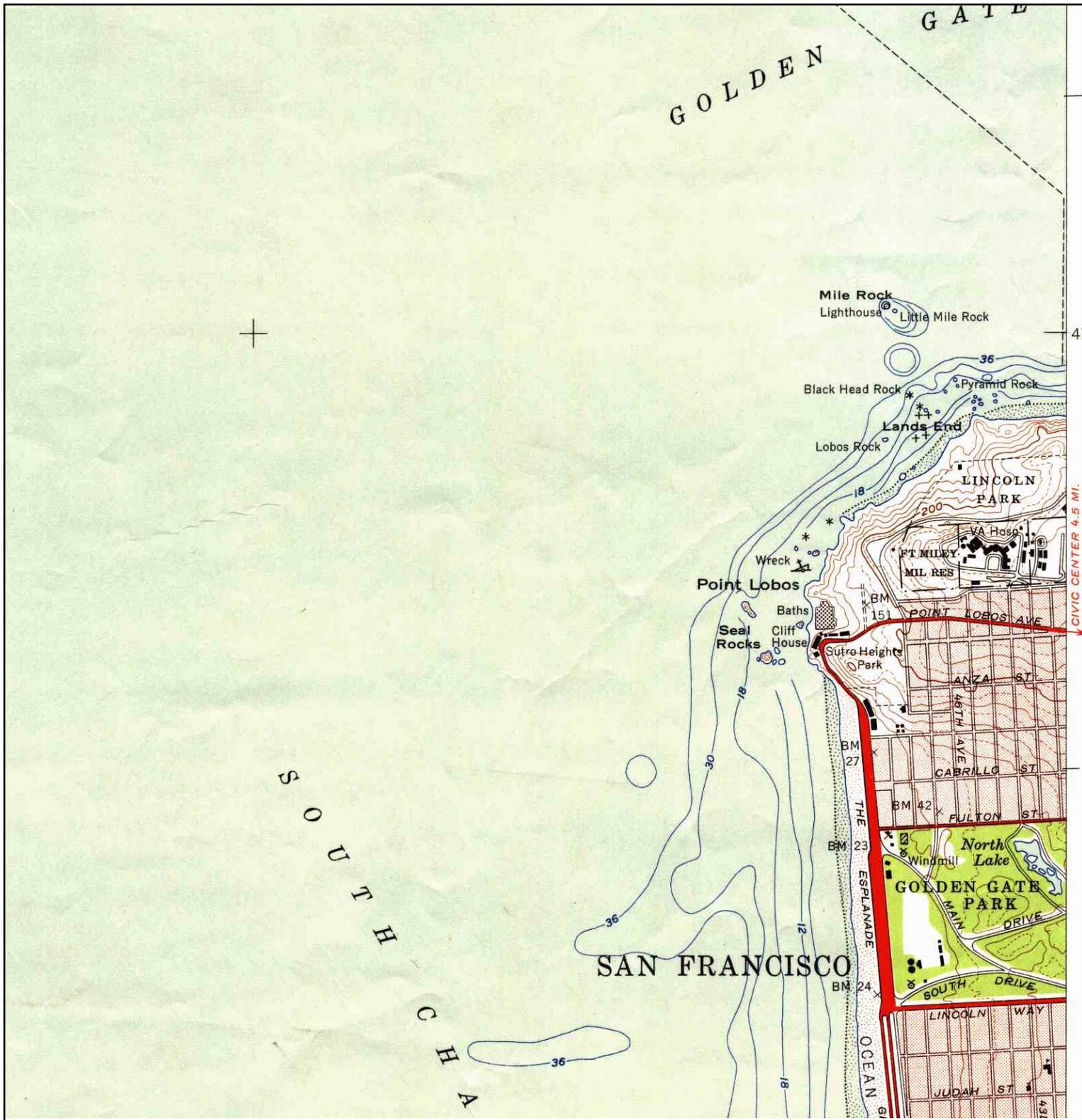
<p>N ↑</p>	<p>TARGET QUAD NAME: MOUNT TAMALPAIS MAP YEAR: 1950</p>	<p>SITE NAME: Proposed GSHP ADDRESS: 4150 Clement Street San Francisco, CA 94121 LAT/LONG: 37.7823 / -122.5053</p>	<p>CLIENT: TTL Associates, Inc CONTACT: Paul Jackson INQUIRY#: 3132885.4 RESEARCH DATE: 07/25/2011</p>
	<p>SERIES: 15 SCALE: 1:62500</p>		

Historical Topographic Map



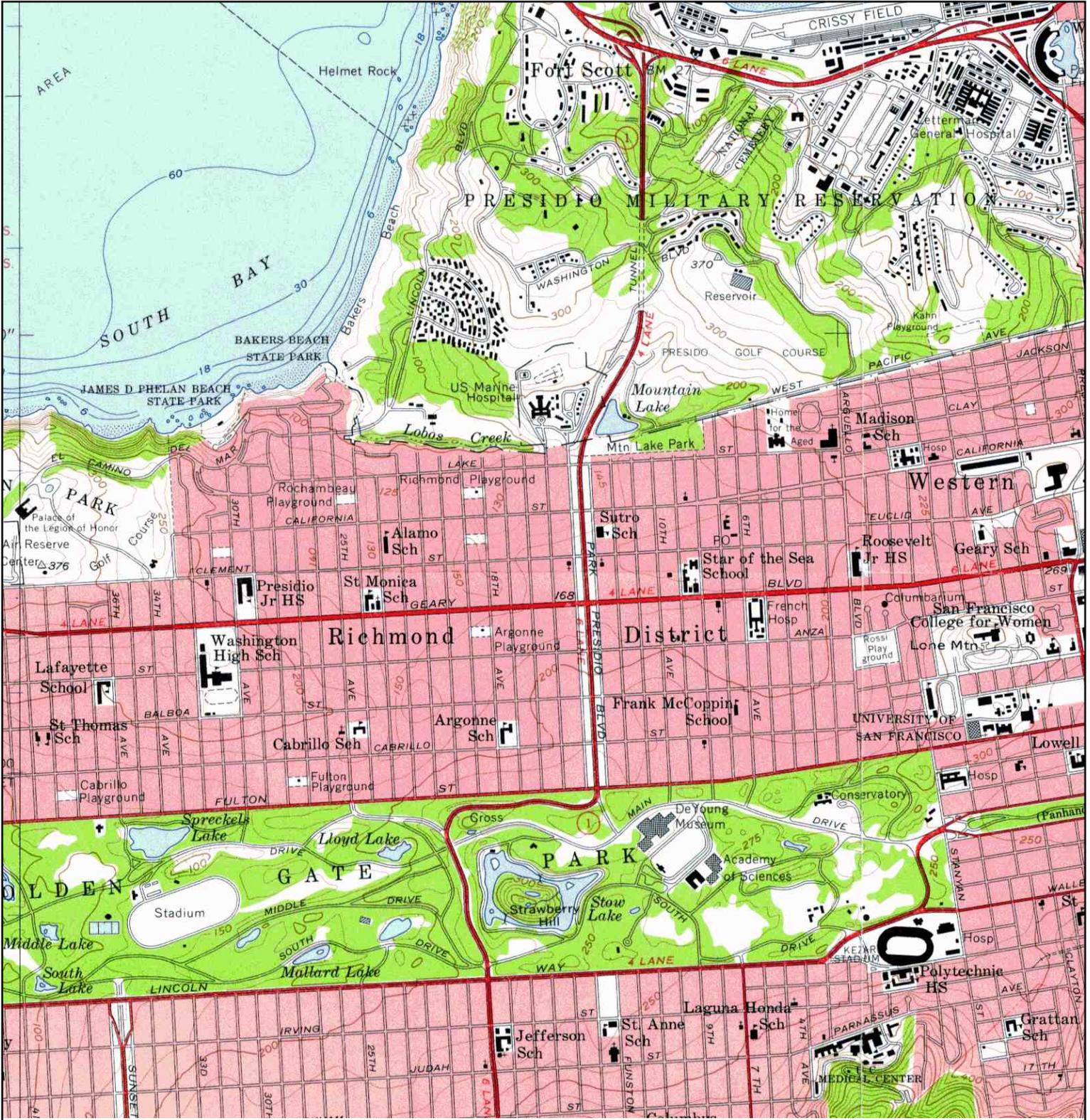
	TARGET QUAD	SITE NAME: Proposed GSHP	CLIENT: TTL Associates, Inc
	NAME: SAN FRANCISCO NORTH	ADDRESS: 4150 Clement Street San Francisco, CA 94121	CONTACT: Paul Jackson
	MAP YEAR: 1950	LAT/LONG: 37.7823 / -122.5053	INQUIRY#: 3132885.4
	SERIES: 7.5		RESEARCH DATE: 07/25/2011
	SCALE: 1:24000		

Historical Topographic Map



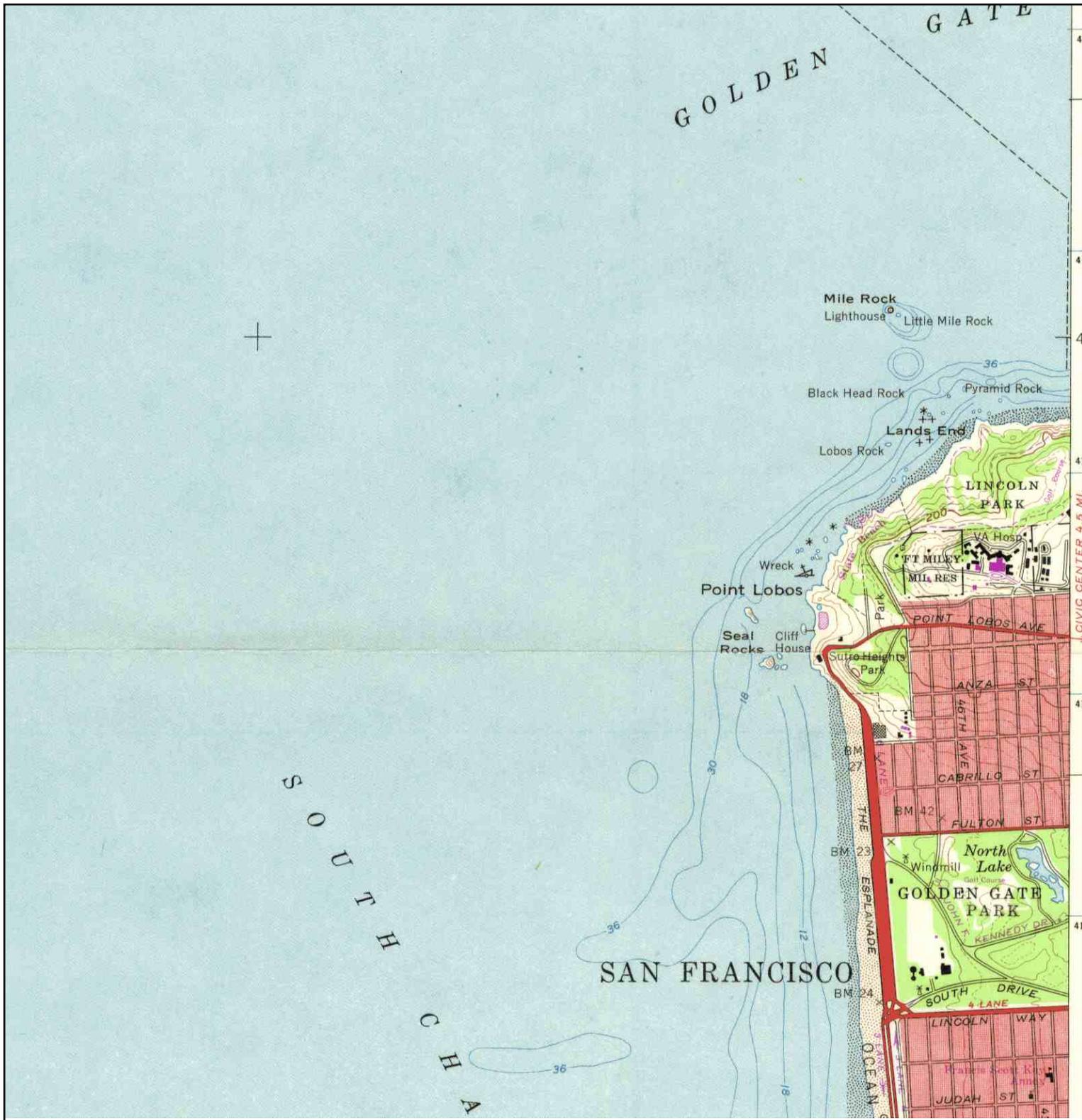
	TARGET QUAD NAME: POINT BONITA MAP YEAR: 1954	SITE NAME: Proposed GSHP ADDRESS: 4150 Clement Street San Francisco, CA 94121 LAT/LONG: 37.7823 / -122.5053	CLIENT: TTL Associates, Inc CONTACT: Paul Jackson INQUIRY#: 3132885.4 RESEARCH DATE: 07/25/2011
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



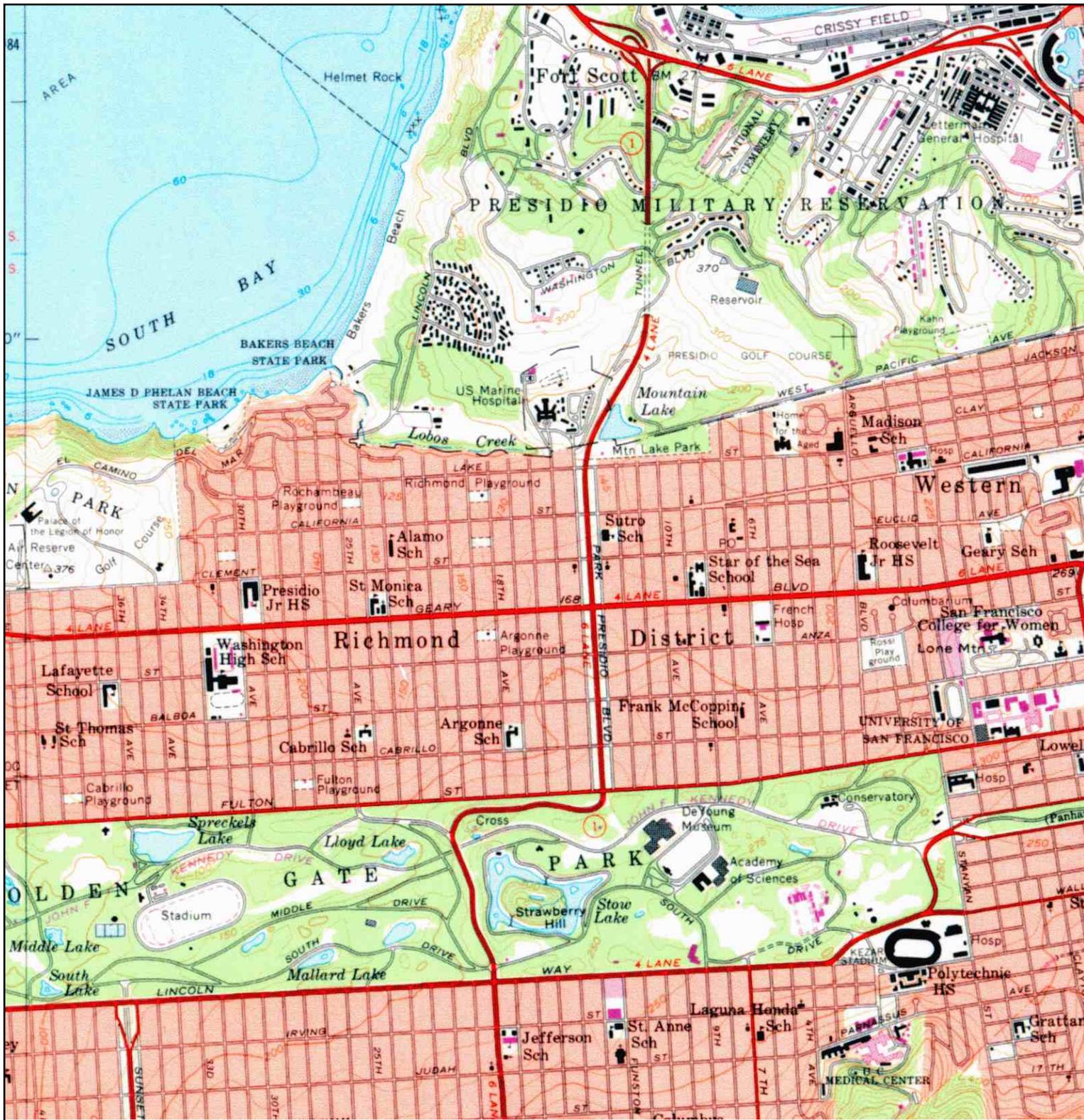
	TARGET QUAD	SITE NAME: Proposed GSHP	CLIENT: TTL Associates, Inc
	NAME: SAN FRANCISCO NORTH	ADDRESS: 4150 Clement Street San Francisco, CA 94121	CONTACT: Paul Jackson
	MAP YEAR: 1956	LAT/LONG: 37.7823 / -122.5053	INQUIRY#: 3132885.4
	SERIES: 7.5		RESEARCH DATE: 07/25/2011
	SCALE: 1:24000		

Historical Topographic Map



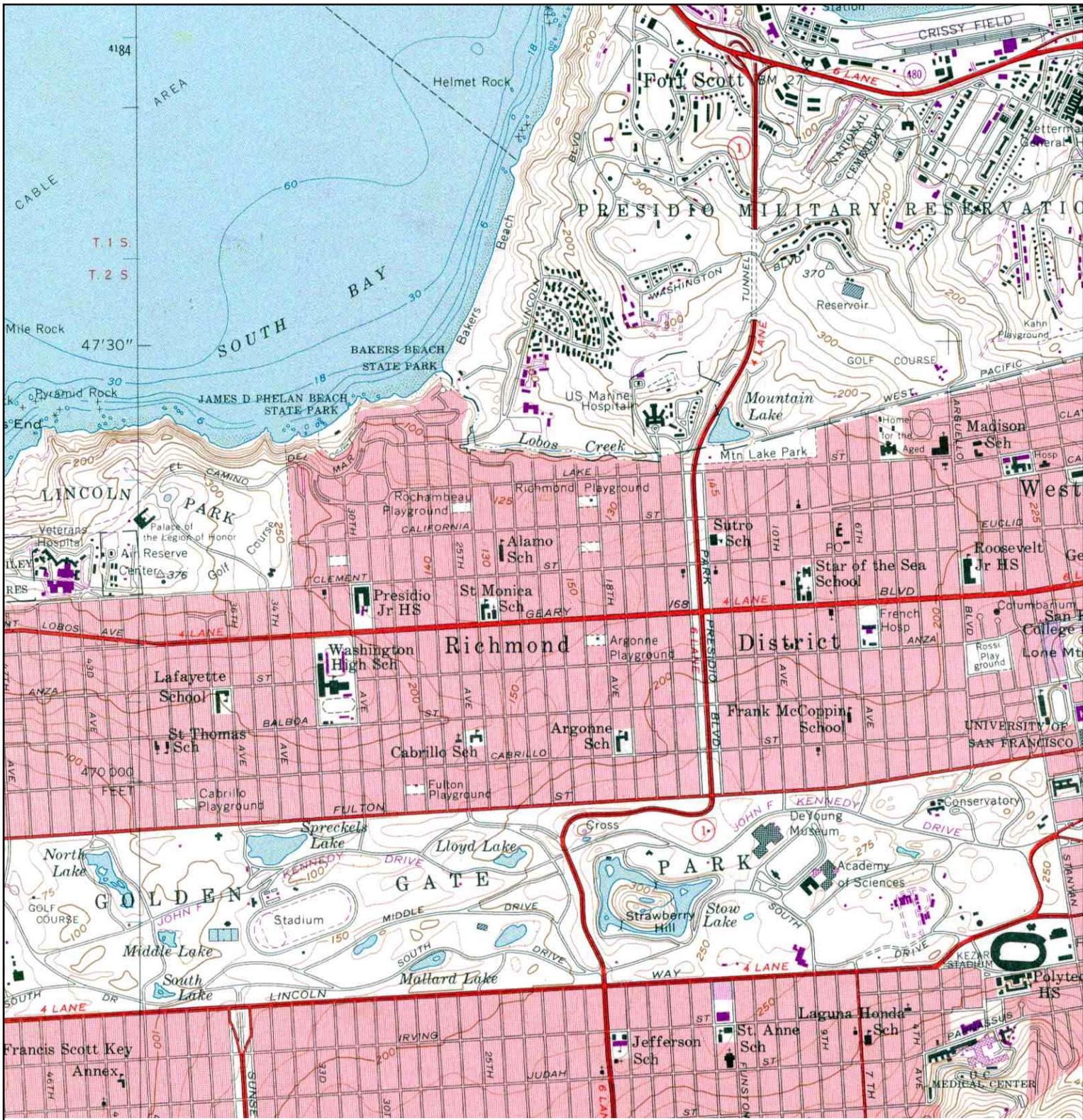
	TARGET QUAD	SITE NAME: Proposed GSHP	CLIENT: TTL Associates, Inc
	NAME: POINT BONITA	ADDRESS: 4150 Clement Street	CONTACT: Paul Jackson
	MAP YEAR: 1968	San Francisco, CA 94121	INQUIRY#: 3132885.4
	PHOTOREVISED: 1954	LAT/LONG: 37.7823 / -122.5053	RESEARCH DATE: 07/25/2011
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



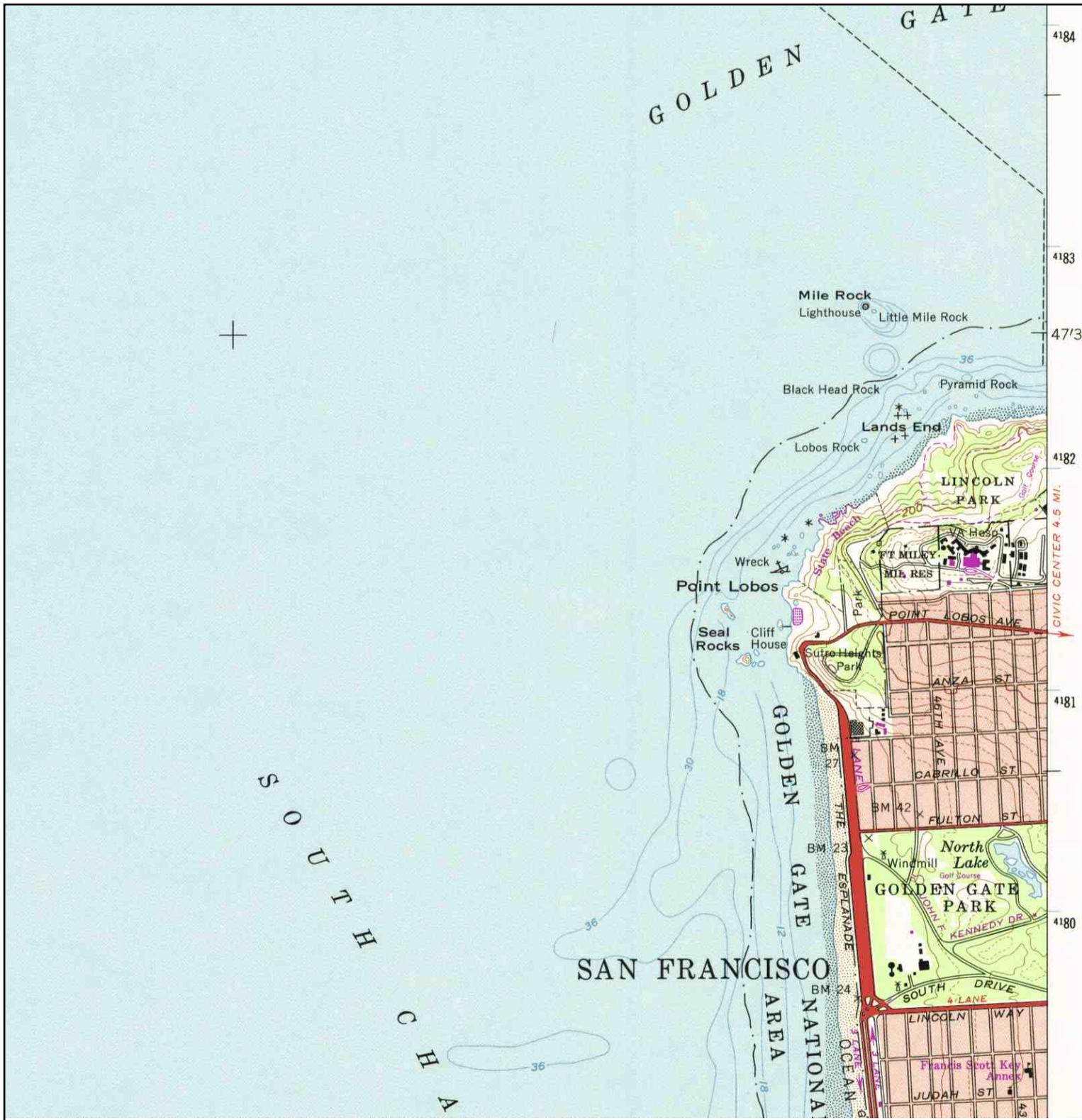
<p>N ↑</p>	TARGET QUAD	SITE NAME:	Proposed GSHP	CLIENT:	TTL Associates, Inc
	NAME: SAN FRANCISCO NORTH	ADDRESS:	4150 Clement Street San Francisco, CA 94121	CONTACT:	Paul Jackson
	MAP YEAR: 1968	LAT/LONG:	37.7823 / -122.5053	INQUIRY#:	3132885.4
	PHOTOREVISED: 1956			RESEARCH DATE:	07/25/2011
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



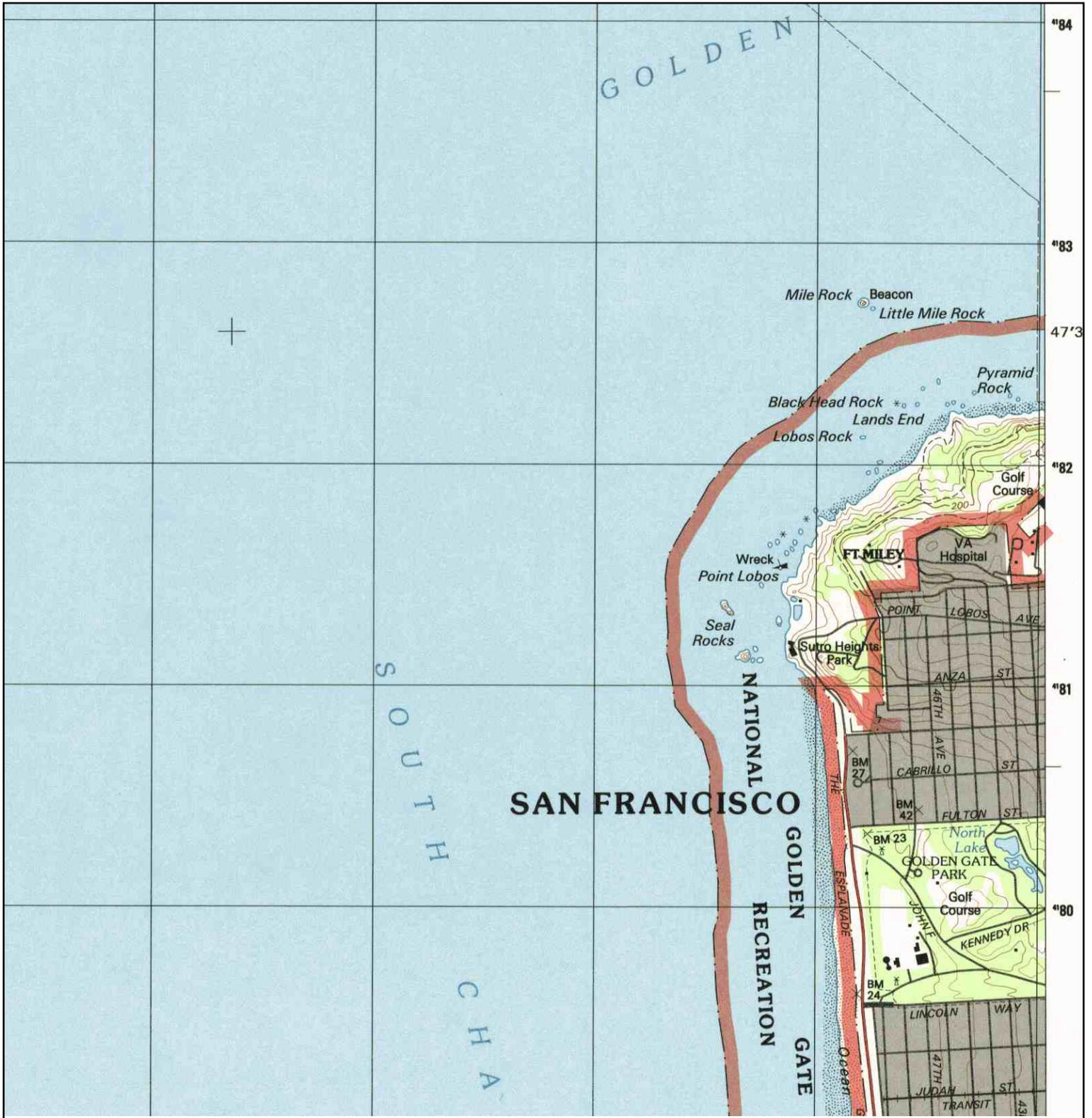
	TARGET QUAD	SITE NAME: Proposed GSHP	CLIENT: TTL Associates, Inc
	NAME: SAN FRANCISCO NORTH	ADDRESS: 4150 Clement Street San Francisco, CA 94121	CONTACT: Paul Jackson
	MAP YEAR: 1973	LAT/LONG: 37.7823 / -122.5053	INQUIRY#: 3132885.4
	PHOTOREVISED: 1956		RESEARCH DATE: 07/25/2011
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME: Proposed GSHP	CLIENT: TTL Associates, Inc
	NAME: POINT BONITA	ADDRESS: 4150 Clement Street	CONTACT: Paul Jackson
	MAP YEAR: 1978	San Francisco, CA 94121	INQUIRY#: 3132885.4
	PHOTOINSPECTED: 1954	LAT/LONG: 37.7823 / -122.5053	RESEARCH DATE: 07/25/2011
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD NAME: POINT BONITA MAP YEAR: 1993	SITE NAME: Proposed GSHP ADDRESS: 4150 Clement Street San Francisco, CA 94121 LAT/LONG: 37.7823 / -122.5053	CLIENT: TTL Associates, Inc CONTACT: Paul Jackson INQUIRY#: 3132885.4 RESEARCH DATE: 07/25/2011
	SERIES: 7.5 SCALE: 1:24000		



Proposed GSHP

4150 Clement Street
San Francisco, CA 94121

Inquiry Number: 3132885.5
July 28, 2011

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

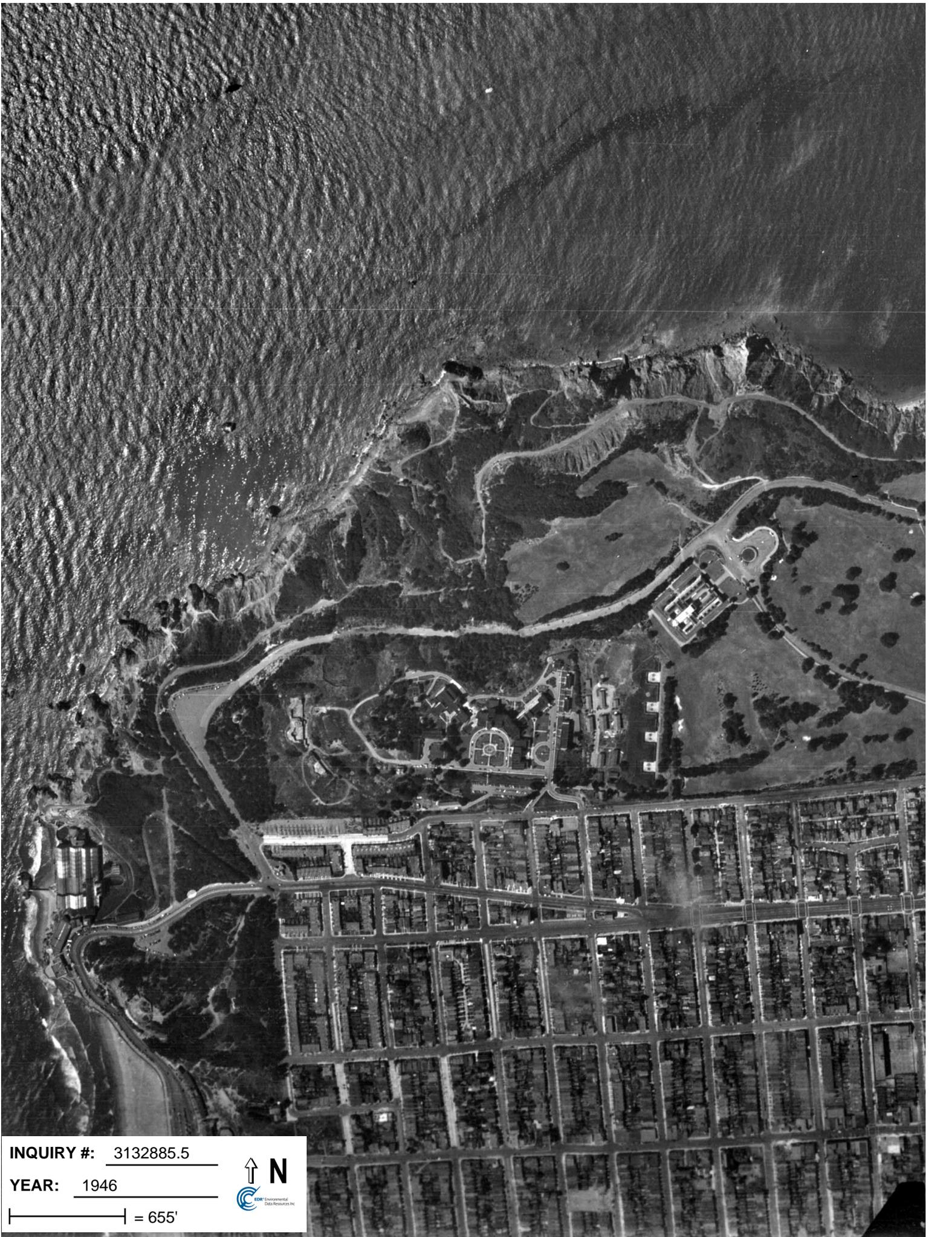
Aerial Photography July 28, 2011

Target Property:

4150 Clement Street

San Francisco, CA 94121

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1956	Aerial Photograph. Scale: 1"=655'	Flight Year: 1956	Clyde Sunderland
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1977	Aerial Photograph. Scale: 1"=550'	Flight Year: 1977	NASA
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=604'	/Composite DOQQ - acquisition dates: 1993	EDR
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR



INQUIRY #: 3132885.5

YEAR: 1946

| = 655'





INQUIRY #: 3132885.5

YEAR: 1956

| = 655'





INQUIRY #: 3132885.5

YEAR: 1965

| = 333'





INQUIRY #: 3132885.5

YEAR: 1977

— = 550'





INQUIRY #: 3132885.5

YEAR: 1982

| = 690'





INQUIRY #: 3132885.5

YEAR: 1993

| = 604'





INQUIRY #: 3132885.5

YEAR: 1998

| = 666'





INQUIRY #: 3132885.5

YEAR: 2005

— = 604'

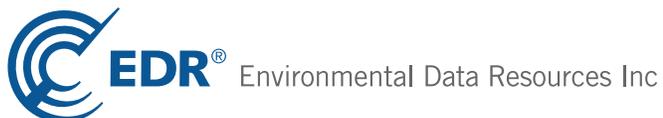


Proposed GSHP

4150 Clement Street
San Francisco, CA 94121

Inquiry Number: 3132885.7s
July 25, 2011

EDR NEPACheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 59 of this report.

TARGET PROPERTY ADDRESS

PROPOSED GSHP
4150 CLEMENT STREET
SAN FRANCISCO, CA 94121

Inquiry #: 3132885.7s
Date: 7/25/11

TARGET PROPERTY COORDINATES

Latitude (North): 37.782299 - 37° 46' 56.3"
Longitude (West): 122.505302 - 122° 30' 19.1"
Universal Tranverse Mercator: Zone 10
UTM X (Meters): 543562.6
UTM Y (Meters): 4181571.2

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	YES	YES
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	YES	YES
1.1307a (3) Threatened or Endangered Species or Critical Habitat	CA Natural Diversity Database	1.00	YES	YES
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<u>HISTORIC SITES MAP</u>				
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	YES
1.1307a (4) Listed or eligible for National Register	CA Historic Sites	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
<u>FLOODPLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	NO	NO
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
<u>FCC & FAA SITES MAP</u>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	NO	NO
	Towers	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	---
	Power Lines	1.00	NO	---

Natural Areas Map



- | | |
|-------------------|---------------------------|
| ★ Target Property | ⊕ Locations |
| ∩ Roads | ▨ Federal Areas |
| ⚡ County Boundary | ▨ Federal Linear Features |
| ∩ Waterways | ▨ State Areas |
| ■ Water | ▨ State Linear Features |

SITE NAME: Proposed GSHP
ADDRESS: 4150 Clement Street
 San Francisco CA 94121
LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
CONTACT: Paul Jackson
INQUIRY #: 3132885.7s
DATE: July 25, 2011

NATURAL AREAS MAP FINDINGS

Endangered Species Listed for: SAN FRANCISCO County, CA.

Source: EPA Endangered Species Protection Program Database

BIRD: PELICAN, BROWN
 BIRD: PLOVER, WESTERN SNOWY
 FISH: GOBY, TIDEWATER
 FISH: SPLITTAIL, SACRAMENTO
 FISH: STEELHEAD, CALIFORNIA CENTRAL VALLEY POP
 INSECT: BUTTERFLY, MYRTLE'S SILVERSPOT
 INSECT: BUTTERFLY, BAY CHECKERSPOT
 INSECT: BUTTERFLY, MISSION BLUE
 PLANT: LILY, TIBURON MARIPOSA
 PLANT: LAYIA, BEACH
 PLANT: MANZANITA, PRESIDIO (=RAVEN'S)
 PLANT: MANZANITA, SAN BRUNO MOUNTAIN
 PLANT: JEWELFLOWER, METCALF CANYON
 PLANT: CLARKIA, PRESIDIO
 PLANT: DWARF-FLAX, MARIN
 PLANT: LESSINGIA, SAN FRANCISCO

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1 North 0-1/8 mi 0	EO ID: 35407 Geo ID: 40400 Element code: PDAST5N010 Occurrence ID: 6 Last Visited: 1904XXXX Last Observed: 1904XXXX Presence: Extirpated Trend: Unknown Occrank: None Sensitive?: N Main Info: SEFFER SN DS #3289 (HERB) Occtype: Natural/Native occurrence Directions: SAN FRANCISCO SAND DUNES, SAN FRANCISCO. Ownership: UNKNOWN Threat Comments: Not Reported Ecological Comments: SAND DUNES. Distribution Comments: EXACT LOCATION NOT KNOWN; MAPPED TO INCLUDE MOST OF SAN FRANCISCO. General Comments: PRESUMED EXTIRPATED AT THIS SITE. THE CITY OF SAN FRANCISCO IS BUILT ON THESE FORMER DUNES. POTENTIAL REMAINING HABITAT IS VERY LIMITED. Scientific name: LAYIA CARNOSA Common name: BEACH LAYIA Global rank: G1 State rank: S1.1 Federal Status: Endangered State Status: Endangered Special Concern?: Not Reported CNPS Rarity: Plants rare, threatened, or endangered in CA and elsewhere Redcode: Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported/Endangered throughout its range/Endemic to California General habitat: COASTAL DUNES. HUGELY REDUCED IN RANGE ALONG CALIFORNIA'S NORTH COAST DUNES. Micro habitat: ON SPARSELY VEGETATED SEMI-STABILIZED DUNES, USUALLY BEHIND FOREDUNES. 0-75M.	CAS0029644 CA Natural Diversity Database
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NATURAL AREAS MAP FINDINGS

2 SSW 0-1/8 mi 450	EO ID: 17530 Geo ID: 34553 Element code: PDPGN04081 Occurrence ID: 10 Last Visited: 19300621 Last Observed: 19300621 Presence: Presumed Extant Trend: Unknown Occrank: Unknown Sensitive?: N Main Info: HOWELL #5316 CAS #181251 (HERB) Occtype: Natural/Native occurrence Directions: SOUTH OF SUTRO HEIGHTS, SAN FRANCISCO. Ownership: UNKNOWN Threat Comments: Not Reported Ecological Comments: SANDY FLAT. Distribution Comments: Not Reported General Comments: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1930 COLLECTION BY HOWELL. Scientific name: CHORIZANTHE CUSPIDATA VAR CUSPIDATA Common name: SAN FRANCISCO BAY SPINEFLOWER Global rank: G3T2 State rank: S2.2 Federal Status: None State Status: None Special Concern?: Not Reported CNPS Rarity: Plants rare, threatened, or endangered in CA and elsewhere Redcode: Distributed in a limited number of occurrences, occasionally more if each occurrence is small/Endangered in a portion of its range/Endemic to California General habitat: COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL PRAIRIE, COASTAL SCRUB. Micro habitat: CLOSELY RELATED TO C. PUNGENS. SANDY SOIL ON TERRACES AND SLOPES. 5-550M.	CAS0016583 CA Natural Diversity Database
-----------------------------	--	---

3 North 0-1/8 mi 600	Feature1: National Recreation Area NPS Feature2: Not Reported Feature3: Not Reported Agbur: National Park Service. Url: http://www.nps.gov/goga Name1: Golden Gate National Recreation Area Name2: Not Reported Name3: Not Reported State: CA State fips: 06	CUSA136108 US Federal Lands
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4 North 1/8-1/4 mi 701	EO ID: 28483 Geo ID: 08565 Element code: AAABH01022 Occurrence ID: 3 Last Visited: XXXXXXXX Last Observed: XXXXXXXX Presence: Presumed Extant Trend: Unknown Occrank: Unknown Sensitive?: N Main Info: BANTA, B. 1966 (LIT) Occtype: Natural/Native occurrence	CAS0018529 CA Natural Diversity Database
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NATURAL AREAS MAP FINDINGS

Directions: LANDS END, IN LINCOLN PARK AREA, SAN FRANCISCO.
 Ownership: NPS-GGNRA
 Threat Comments: RANGE BEING REDUCED DUE TO HABITAT ALTERATION & COMPETITION & PREDATION BY INTRODUCED BULLFROGS.
 Ecological Comments: FROGS APPARENTLY ADAPTED FOR POND & STREAM LIFE. SEEPAGE MARSH.
 Distribution Comments: Not Reported
 General Comments: Not Reported
 Scientific name: RANA AURORA DRAYTONII
 Common name: CALIFORNIA RED-LEGGED FROG
 Global rank: G4T2T3
 State rank: S2S3
 Federal Status: Threatened
 State Status: None
 Special Concern?: SC
 CNPS Rarity: Not Reported
 Redcode: Not Reported
 General habitat: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
 Micro habitat: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

A5
 WSW
 1/8-1/4 mi
 1129

EO ID: 29828
 Geo ID: 08584
 Element code: PDROS0W043
 Occurrence ID: 33
 Last Visited: 198XXXXX
 Last Observed: 189006XX
 Presence: Presumed Extant
 Trend: Unknown
 Occrank: Unknown
 Sensitive?: N
 Main Info: BRANDEGEE, T. SN UC #114286 (HERB)
 Occtype: Natural/Native occurrence
 Directions: SAN FRANCISCO, POINT LOBOS.
 Ownership: UNKNOWN
 Threat Comments: Not Reported
 Ecological Comments: Not Reported
 Distribution Comments: Not Reported
 General Comments: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1890 COLLECTION BY BRANDEGEE. AREA SEARCHED BY B. ERTTER CIRCA 1980S-1990S BUT NO PLANTS FOUND.
 Scientific name: HORKELIA CUNEATA SSP SERICEA
 Common name: KELLOGG'S HORKELIA
 Global rank: G4T1
 State rank: S1.1
 Federal Status: None
 State Status: None
 Special Concern?: Not Reported
 CNPS Rarity: Plants rare, threatened, or endangered in CA and elsewhere
 Redcode: Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported/Endangered throughout its range/Endemic to California
 General habitat: CLOSED-CONE CONIFEROUS FOREST, COASTAL SCRUB, CHAPARRAL.
 Micro habitat: OLD DUNES, COASTAL SANDHILLS; OPENINGS. 10-200M.

CAS0009352
 CA Natural Diversity Database

NATURAL AREAS MAP FINDINGS

A6
 WSW
 1/8-1/4 mi
 1129

EO ID: 29876
 Geo ID: 08584
 Element code: PDAST470D3
 Occurrence ID: 12
 Last Visited: 19870711
 Last Observed: 19870711
 Presence: Presumed Extant
 Trend: Unknown
 Occrank: Good
 Sensitive?: N
 Main Info: RAVEN, P. SN CAS (HERB)
 Occtype: Natural/Native occurrence
 Directions: OCEANIC BLUFFS, POINT LOBOS, SAN FRANCISCO.
 Ownership: NPS-GGNRA
 Threat Comments: AREA HEAVILY INFESTED WITH EXOTICS SUCH AS CUPRESSUS MACROCARPA.
 Ecological Comments: ON STEEP HIGHLY DISTURBED AND ERODED TERRAIN.
 Distribution Comments: Not Reported
 General Comments: LESS THAN 1000 PLANTS SEEN IN 1985, ABOUT 200 PLANTS SEEN IN 1987. SOME PLANTS ARE INTERMEDIATE BETWEEN G. MARITIMA AND G. STRICTA. 4 SUBPOPULATIONS.
 Scientific name: GRINDELIA HIRSUTULA VAR MARITIMA
 Common name: SAN FRANCISCO GUMPLANT
 Global rank: G5T2
 State rank: S2.1
 Federal Status: None
 State Status: None
 Special Concern?: Not Reported
 CNPS Rarity: Plants rare, threatened, or endangered in CA and elsewhere
 Redcode: Distributed in a limited number of occurrences, occasionally more if each occurrence is small/Endangered in a portion of its range/Endemic to California
 General habitat: COASTAL SCRUB, COASTAL BLUFF SCRUB, VALLEY AND FOOTHILL GRASSLAND.
 Micro habitat: SANDY OR SERPENTINE SLOPES, SEA BLUFFS. 15-400M.

CAS0009353
CA Natural Diversity Database

7
 NW
 1/4-1/2 mi
 2062

Feature1: National Recreation Area NPS
 Feature2: Open Water
 Feature3: Not Reported
 Agbur: National Park Service.
 Url: <http://www.nps.gov/goga>
 Name1: Golden Gate National Recreation Area
 Name2: Not Reported
 Name3: Not Reported
 State: CA
 State fips: 06

CUSA136102
US Federal Lands

B8
 WSW
 1/4-1/2 mi
 2277

EO ID: 22628
 Geo ID: 08538
 Element code: IICOL67020
 Occurrence ID: 6
 Last Visited: 19490609
 Last Observed: 19490609
 Presence: Presumed Extant
 Trend: Unknown
 Occrank: Unknown
 Sensitive?: N
 Main Info: CARLSON, D. 1980 (LIT)
 Occtype: Natural/Native occurrence
 Directions: OCEAN BEACH, FROM POINT LOBOS SOUTH, WEST OF SUNSET DISTRICT, SAN

CAS0030289
CA Natural Diversity Database

NATURAL AREAS MAP FINDINGS

Ownership: FRANCISCO.
UNKNOWN
Threat Comments: Not Reported
Ecological Comments: SPECIMENS COLLECTED FROM SAND DUNES, FROM APRIL TO AUGUST,
WITH A PEAK IN MAY/JUNE.
Distribution Comments: MANY COLLECTIONS WERE MADE FROM THE SAND DUNES ALONG THE COAST
BETWEEN 1881 AND 1949. SITES INCLUDE THE CLIFF HOUSE AT POINT
LOBOS, SAND HILLS NEAR CLIFF HOUSE, OCEAN BEACH, AND SAN
FRANCISCO SAND HILLS & SAND DUNES.
General Comments: Not Reported
Scientific name: LICHNANTHE URSINA
Common name: BUMBLEBEE SCARAB BEETLE
Global rank: G2
State rank: S2
Federal Status: None
State Status: None
Special Concern?: Not Reported
CNPS Rarity: Not Reported
Redcode: Not Reported
General habitat: INHABITS COASTAL SAND DUNES FROM SONOMA COUNTY SOUTH TO SAN MATEO
COUNTY.
Micro habitat: USUALLY FLIES CLOSE TO SAND SURFACE NEAR THE CREST OF THE DUNES.

B9
WSW
1/4-1/2 mi
2277

EO ID: 25177
Geo ID: 08538
Element code: ABPAU08010
Occurrence ID: 115
Last Visited: 1960XXXX
Last Observed: 1960XXXX
Presence: Presumed Extant
Trend: Unknown
Occrank: Unknown
Sensitive?: N
Main Info: REMSEN, J. 1978 (LIT)
Occtype: Natural/Native occurrence
Directions: OCEAN BEACH, SAN FRANCISCO CO.
Ownership: UNKNOWN
Threat Comments: Not Reported
Ecological Comments: Not Reported
Distribution Comments: Not Reported
General Comments: COLONY FIRST REPORTED BEFORE 1927. 100 PAIRS ESTIMATED IN
1960; REPORTED IN CUTLER AND PUGH.

CAS0030290
CA Natural Diversity Database

Scientific name: RIPARIA RIPARIA
Common name: BANK SWALLOW
Global rank: G5
State rank: S2S3
Federal Status: None
State Status: Threatened
Special Concern?: Not Reported
CNPS Rarity: Not Reported
Redcode: Not Reported
General habitat: (NESTING) COLONIAL NESTER; NESTS PRIMARILY IN RIPARIAN AND OTHER
LOWLAND HABITATS WEST OF THE DESERT.
Micro habitat: REQUIRES VERTICAL BANKS/CLIFFS WITH FINE-TEXTURED/SANDY SOILS NEAR
STREAMS, RIVERS, LAKES, OCEAN TO DIG NESTING HOLE.

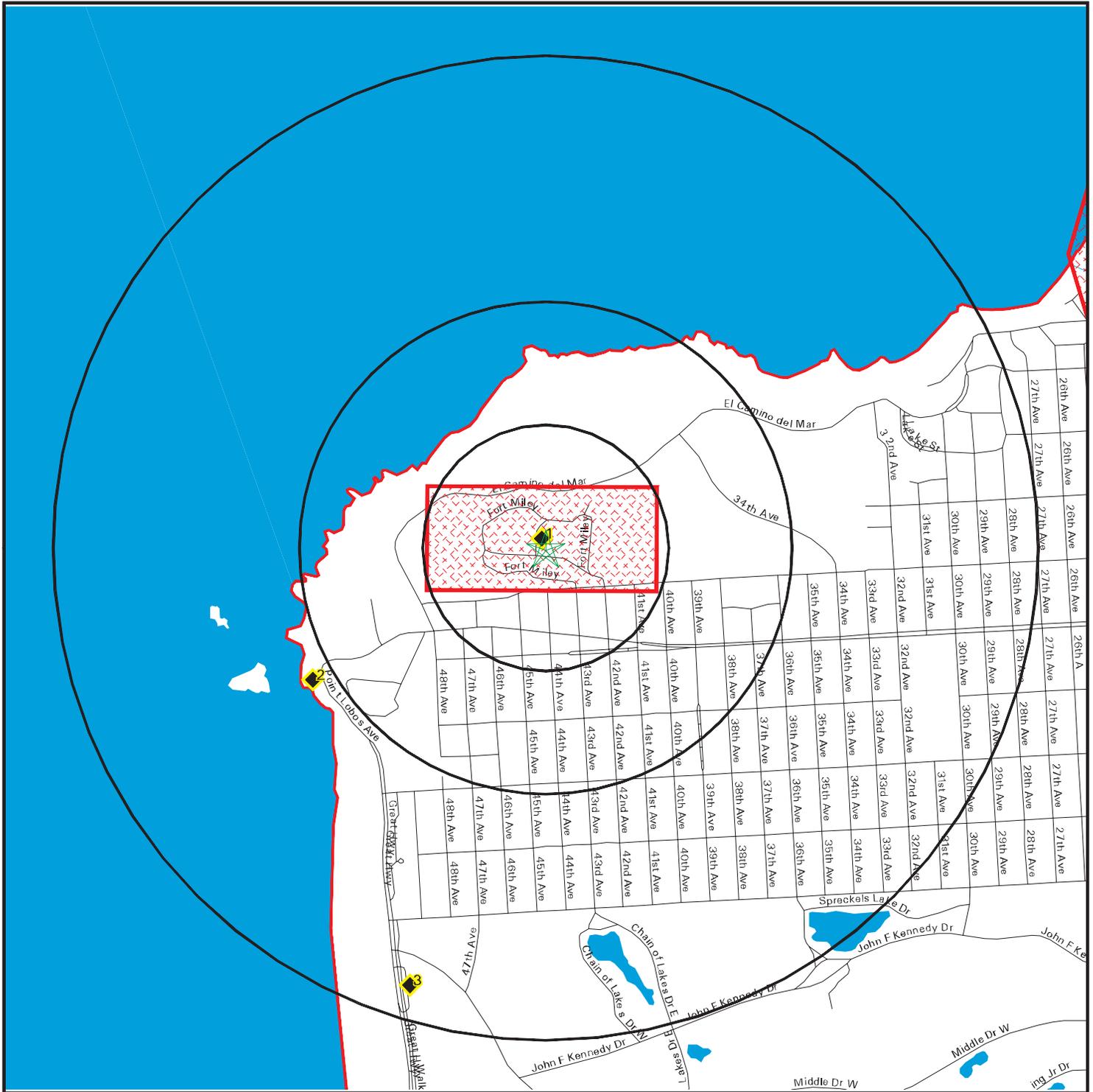
NATURAL AREAS MAP FINDINGS

10
West
1/2-1 mi
3936

Feature1: National Monument BLM
Feature2: Not Reported
Feature3: Not Reported
Agbur: Bureau of Land Management.
Url: http://www.ca.blm.gov/hollister/coastal_monument.html
Name1: California Coastal National Monument
Name2: Not Reported
Name3: Not Reported
State: CA
State fips: 06

CUSA112474
US Federal Lands

Historic Sites Map



- ★ Target Property
- ◇ Historic Sites
- Streets
- County Boundary
- Waterways
- Water
- Federal Historic Areas
- State Historic Areas
- US Indian Reservations
- ▲ Scenic Trail



SITE NAME: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.7s
 DATE: July 25, 2011

HISTORIC SITES MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)

EDR ID
 Database

1
 North
 0-1/8 mi
 0

80000371
 National Register of Hist. Places

Refnum: Resname: Address: Resource Type: Number buildings: Number sites: Number structs: Number objects: Non-contrib bldg: Non-contrib sites: Non-contrib structs: Non-contrib objects: Primary Certification: Certification date: Acreage: Alternate name: County: City: Applicable Criteria: Areas of significance: Current Function: Current Function: Current Function: Building Material: Building Material: Building Material: Building Material: Alternate name:	80000371 Fort Miley Military Reservation Off CA 1 District 000000 000000 000010 000000 000000 000000 000000 000000 000000 000000 Listed in the national register 19800523 275 Not Reported San Francisco San Francisco Event Military Agriculture/subsistence Government Landscape None listed Concrete Earth Steel Point Lobos Military Reservation;East Fort Miley;West Fort M
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2
 WSW
 1/2-1 mi
 2869

01000522
 National Register of Hist. Places

Refnum: Resname: Address: Resource Type: Number buildings: Number sites: Number structs: Number objects: Non-contrib bldg: Non-contrib sites: Non-contrib structs: Non-contrib objects: Primary Certification: Certification date: Acreage: Alternate name:	01000522 Camera Obscura 1096 Point Lobos Ave. Building 000001 Not Reported Not Reported 000001 Not Reported Not Reported Not Reported Not Reported Not Reported Listed in the national register 20010523 9 Not Reported
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HISTORIC SITES MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)

EDR ID
 Database

County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Engineering
 Current Function: Recreation and culture
 Building Material: Concrete
 Building Material: Wood

3
 SSW
 1/2-1 mi
 4909

81000172
 National Register of Hist. Places

Refnum: 81000172
 Resname: Beach Chalet
 Address: 1000 Great Hwy.
 Resource Type: Building
 Number buildings: 000001
 Number sites: 000000
 Number structs: 000000
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19810722
 Acreage: 9
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Art
 Areas of significance: Architecture
 Current Function: Commerce/trade
 Building Material: None listed
 Building Material: Stucco
 Building Material: Terra cotta
 Building Material: Wood

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Refnum: 05000001
Resname: Baker and Hamilton
Address: 601 Townsend St.
Resource Type: Building
Number buildings: 000001
Number sites: Not Reported
Number structs: Not Reported
Number objects: Not Reported
Non-contrib bldg: Not Reported
Non-contrib sites: Not Reported
Non-contrib structs: Not Reported
Non-contrib objects: Not Reported
Primary Certification: Listed in the national register
Certification date: 20050209
Acreage: 15
Alternate name: Not Reported
County: San Francisco
City: San Francisco
Applicable Criteria: Architecture/Engineering
Areas of significance: Architecture
Current Function: Commerce/trade
Building Material: None listed
Building Material: None listed
Building Material: Brick
Building Material: Wood
Building Material: Sandstone
Building Material: Concrete
Building Material: Steel
Alternate name: Pacific Hardware and Steel Company

Unmappable
05000001
National Register of Hist. Places

Refnum: 76000178
Resname: BALCLUTHA
Address: Pier 41 East
Resource Type: Structure
Number buildings: 000000
Number sites: 000000
Number structs: 000001
Number objects: 000000
Non-contrib bldg: 000000
Non-contrib sites: 000000
Non-contrib structs: 000000
Non-contrib objects: 000000
Primary Certification: Listed in the national register
Certification date: 19761107
Acreage: 3

Unmappable
76000178
National Register of Hist. Places

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status
EDR ID
Database**

Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Event
 Areas of significance: Commerce
 Areas of significance: Transportation
 Current Function: Recreation and culture
 Building Material: Inapplicable
 Building Material: Wood
 Building Material: Steel
 Building Material: Inapplicable
 Building Material: Iron
 Building Material: Wood
 Alternate name: STAR OF ALASKA;PACIFIC QUEEN;Sailing Ship BALCLUTHA

Unmappable
04000327
National Register of Hist. Places

Refnum: 04000327
 Resname: Building at 735 Market Street
 Address: 735 Market St.
 Resource Type: Building
 Number buildings: 000001
 Number sites: Not Reported
 Number structs: Not Reported
 Number objects: Not Reported
 Non-contrib bldg: Not Reported
 Non-contrib sites: Not Reported
 Non-contrib structs: Not Reported
 Non-contrib objects: Not Reported
 Primary Certification: Listed in the national register
 Certification date: 20040727
 Acreage: 9
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Architecture
 Current Function: Commerce/trade
 Building Material: Sandstone
 Building Material: Brick
 Alternate name: Caroll & Tilton Building

Unmappable
02001390
National Register of Hist. Places

Refnum: 02001390
 Resname: Central Embarcadero Piers Historic District
 Address: Piers 1, 1 1/2, 3 and 5, The Embarcadero

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Resource Type:	Building
Number buildings:	000002
Number sites:	Not Reported
Number structs:	Not Reported
Number objects:	Not Reported
Non-contrib bldg:	Not Reported
Non-contrib sites:	Not Reported
Non-contrib structs:	Not Reported
Non-contrib objects:	Not Reported
Primary Certification:	Listed in the national register
Certification date:	20021120
Acreage:	66
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Architecture
Areas of significance:	Community planning and development
Areas of significance:	Commerce
Areas of significance:	Transportation
Current Function:	Commerce/trade
Current Function:	Landscape
Current Function:	Transportation
Current Function:	Vacant/not in use
Building Material:	Concrete
Building Material:	Wood
Building Material:	Wood
Building Material:	Concrete
Building Material:	Stucco
Building Material:	Concrete

Unmappable
73000229
National Register of Hist. Places

Refnum:	73000229
Resname:	EUREKA
Address:	San Francisco Maritime State Historic Park, 2905 Hyde St.
Resource Type:	Structure
Number buildings:	000000
Number sites:	000000
Number structs:	000001
Number objects:	000000
Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Listed in the national register
Certification date:	19730424
Acreage:	5
Alternate name:	Not Reported
County:	San Francisco

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status
EDR ID
Database**

City: San Francisco
 Applicable Criteria: Event
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Commerce
 Areas of significance: Engineering
 Areas of significance: Transportation
 Current Function: Landscape
 Building Material: Inapplicable
 Building Material: Wood
 Building Material: Inapplicable
 Building Material: Iron
 Building Material: Wood
 Alternate name: UKIAH;Ferryboat EUREKA

Unmappable
82002247
National Register of Hist. Places

Refnum: 82002247
 Resname: Fillmore-Pine Building
 Address: Address Restricted
 Resource Type: Building
 Number buildings: 000001
 Number sites: 000000
 Number structs: 000000
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19820111
 Acreage: 1
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Architecture
 Current Function: Domestic
 Current Function: Commerce/trade
 Building Material: None listed
 Building Material: None listed
 Building Material: None listed
 Building Material: None listed

Unmappable
76000519
National Register of Hist. Places

Refnum: 76000519
 Resname: Fitzhugh Building

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Address:	384 Post St.
Resource Type:	Building
Number buildings:	000001
Number sites:	000000
Number structs:	000000
Number objects:	000000
Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Removed from national register
Certification date:	19790702
Acreage:	6
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Community planning and development
Areas of significance:	Architecture
Current Function:	Vacant/not in use
Building Material:	None listed
Building Material:	Terra cotta
Building Material:	None listed
Building Material:	None listed

Unmappable
04001137
National Register of Hist. Places

Refnum:	04001137
Resname:	Golden Gate Park
Address:	Bounded by Fulton St., Stanyan St., Fell St., Baker St., Oak St., Lincoln Way and The Great Highway
Resource Type:	District
Number buildings:	000037
Number sites:	000047
Number structs:	000013
Number objects:	000036
Non-contrib bldg:	000020
Non-contrib sites:	000012
Non-contrib structs:	000020
Non-contrib objects:	000004
Primary Certification:	Listed in the national register
Certification date:	20041015
Acreage:	10170
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Landscape architecture
Areas of significance:	Entertainment/recreation

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Areas of significance: Social history
 Current Function: Landscape
 Current Function: Recreation and culture

Unmappable
82002248
National Register of Hist. Places

Refnum: 82002248
 Resname: GRIFFING'S, FREDERICK, (ship)
 Address: Address Restricted
 Resource Type: Site
 Number buildings: 000000
 Number sites: 000001
 Number structs: 000000
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19820201
 Acreage: 1
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Event
 Applicable Criteria: Information Potential
 Areas of significance: Historic - non-Aboriginal
 Areas of significance: Transportation
 Areas of significance: Architecture
 Areas of significance: Maritime history
 Current Function: Landscape
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Alternate name: Gold Rush Ship in Levi's Plaza

Unmappable
75000225
National Register of Hist. Places

Refnum: 75000225
 Resname: HERCULES (tugboat)
 Address: Maritime Unit, Hyde St. Pier, National Maritime Museum
 Resource Type: Structure
 Number buildings: 000000
 Number sites: 000000
 Number structs: 000001
 Number objects: 000000

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Listed in the national register
Certification date:	19750117
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Industry
Areas of significance:	Commerce
Areas of significance:	Engineering
Areas of significance:	Transportation
Current Function:	Recreation and culture
Building Material:	Inapplicable
Building Material:	Inapplicable
Building Material:	Inapplicable
Building Material:	Steel
Building Material:	Lead
Alternate name:	Tugboat HERCULES;HERCULES (tugboat) National Historic Landma

Unmappable
73002249
National Register of Hist. Places

Refnum:	73002249
Resname:	House at 1334--36 Scott Street
Address:	1334--36 Scott St.
Resource Type:	Building
Number buildings:	000001
Number sites:	000000
Number structs:	000000
Number objects:	000000
Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Removed from national register
Certification date:	19990101
Acreage:	3
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Architecture
Current Function:	Vacant/not in use
Building Material:	None listed

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Unmappable
86001014
National Register of Hist. Places

Refnum: 86001014
 Resname: KING PHILIP (ship) and REPORTER (schooner) Shipwreck Site
 Address: Address Restricted
 Resource Type: Site
 Number buildings: 000000
 Number sites: 000001
 Number structs: 000000
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19860508
 Acreage: 5
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Event
 Applicable Criteria: Architecture/Engineering
 Applicable Criteria: Information Potential
 Areas of significance: Historic - non-Aboriginal
 Areas of significance: Commerce
 Areas of significance: Transportation
 Areas of significance: Architecture
 Current Function: Transportation
 Current Function: Landscape
 Building Material: Inapplicable
 Alternate name: Archeological Site No. CASFR108H

Unmappable
79000256
National Register of Hist. Places

Refnum: 79000256
 Resname: LEWIS ARK (Houseboat)
 Address: Hyde St. Pier
 Resource Type: Structure
 Number buildings: 000000
 Number sites: 000000
 Number structs: 000001
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19791108
 Acreage: 9
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Architecture
 Current Function: Recreation and culture
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Wood
 Alternate name: THE ARK

Unmappable
81000173
National Register of Hist. Places

Refnum: 81000173
 Resname: Lydia, The
 Address: Address Restricted
 Resource Type: Site
 Number buildings: 000000
 Number sites: 000001
 Number structs: 000000
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19810716
 Acreage: 3
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Information Potential
 Areas of significance: Historic - non-Aboriginal
 Areas of significance: Engineering
 Areas of significance: Maritime history
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Wood
 Alternate name: Old Whaling Bark Lydia

Unmappable
01001206
National Register of Hist. Places

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Refnum: 01001206
 Resname: New Mission Theater
 Address: 2550 Mission St.
 Resource Type: Building
 Number buildings: 000001
 Number sites: Not Reported
 Number structs: Not Reported
 Number objects: Not Reported
 Non-contrib bldg: Not Reported
 Non-contrib sites: Not Reported
 Non-contrib structs: Not Reported
 Non-contrib objects: Not Reported
 Primary Certification: Listed in the national register
 Certification date: 20011109
 Acreage: 9
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Architecture
 Current Function: Commerce/trade
 Building Material: Concrete
 Building Material: Concrete
 Building Material: Concrete
 Building Material: Brick
 Building Material: Wood
 Building Material: Steel
 Building Material: Glass
 Alternate name: Evermax Furniture

Unmappable
CA2008000000769
CA Historic Sites

County: San Francisco
 Name: NO. 1002 SITE OF THE FIRST DYNAMITE FACTORY IN UNITED STATES
 Descr: The first commercial manufacturing of dynamite in the U.S. occurred in what is now Glen Canyon Park. On March 19, 1868, the Giant Powder Company began production at its first manufacturing plant, under exclusive license from Alfred Nobel to produce his new explosive in America. The factory did not last long. On November 26, 1869, an explosion completely destroyed the entire facility, turning every one of the buildings on the place, and the surrounding fencing, into "hundreds of pieces," according to a newspaper account. The company moved its operations elsewhere, an action that was to be repeated again in the future under similar circumstances, until it moved to its permanent and final home at Point Pinole on San Pablo Bay.
 Location: Location: Glen Canyon Park, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000769

Unmappable
CA2008000000770
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
 Name: NO. 1010 ORIGINAL SITE OF THE THIRD BAPTIST CHURCH (FORMERLY THE FIRST COLORED BAPTIST CHURCH)
 Descr: In August 1852, Abraham Brown, Thomas Bundy, Thomas Davenport, Willie Denton, Harry Fields, George Lewis, Fielding Spotts, and Eliza and William Davis organized the church in the Davis home. The congregation purchased the old First Baptist Church and moved it to this location in 1854. The church is now located at 1399 McAllister Street.
 Location: Location: Corner Grant Ave and Greenwich, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000770

Unmappable
CA2008000000771
CA Historic Sites

County: San Francisco
 Name: NO. 1024 JUANA BRIONES, PIONEER SETTLER OF YERBA BUENA
 Descr: Juana Briones, born in Hispanic California, was a prominent woman of her time. In the 1830?s and 1840?s she transformed an isolated cove in the then Mexican hamlet of Yerba Buena into her rancho. At the site of this park she raised cattle and grew vegetables for sale to ship crews. She gave sanctuary to refugees and was revered as a healer and caregiver. She is honored as a humanitarian, astute businesswoman, community builder, and devoted mother of eight children.
 Location: Location: Washington Square Park, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000771

Unmappable
CA2008000000005
CA Historic Sites

County: Alameda
 Name: NO. 1025 UKRANIA, SITE OF AGAPIUS HONCHARENKO FARMSTEAD
 Descr: ?Ukraina? is the site of the farm and burial place of the Ukrainian patriot and exiled orthodox priest Agapius Honcharenko (1832 1916) and his wife Albina. Honcharenko was the first nationally conscious Ukrainian to arrive in the United States. He published the first American newspaper in Russian and Ukrainian languages, The Alaska Herald, from 1868 1872. He wrote the first book for the educational use of Native Alaskans. After moving here from San Francisco in 1873, He continued to publish political literature, which was smuggled into Czarist Russia. Honcharenko was a prominent scholar, humanitarian, and early champion for human rights.
 Location: Location: Garin Regional Park, East Bay Regional Park District, San Francisco Bay
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_ALAMEDA

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Edr id: CA2008000000005

Unmappable
CA20080000000772
CA Historic Sites

County: San Francisco
Name: NO. 119 PORTSMOUTH PLAZA
Descr: Named for the U.S.S. Portsmouth, commanded by Captain John B. Montgomery, after whom Montgomery Street was named. It was here on the plaza that Captain Montgomery first raised the American flag near the Mexican adobe custom house on July 9, 1846. Center of many early day activities, this plaza was the site of: the first public school building, erected in 1847 on the southwest corner of plaza, where religious services and many public meetings were held; the dramatic announcement of gold discovery made on May 11, 1848, when Sam Brannan displayed glittering samples to crowds; the mass meeting to urge election of delegates to Monterey Constitutional Convention on June 12, 1849; refuge for citizens following conflagrations of 1849, 1850, 1851, and 1906; a citizens' assembly on July 16, 1849 to organize against depredations of a lawless body called the "Hounds;" memorial services held August 29, 1850, following death of President Zachary Taylor; first Admission Day celebration held October 29, 1850, when the steamship Oregon brought the news that California had become 31st state on September 9; an indignation meeting, organized June 1, 1852, to protest against the city council's purchase of the Jenny Lind Theatre to be used as a city hall; commemorative services held for Henry Daly, August 10, 1852; and an oration delivered by Colonel E. D. Baker on September 18, 1859, over the body of U. S. Senator David C. Broderick, killed in duel with Chief Justice David S. Terry. Robert Louis Stevenson spent many hours here during his visit to the city in 1879 1880.
Location: Location:Portsmouth Square Park, on Kearny between Clay and Washington, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA20080000000772

Unmappable
CA20080000000774
CA Historic Sites

County: San Francisco
Name: NO. 236 ENTRANCE OF THE SAN CARLOS INTO SAN FRANCISCO BAY
Descr: On August 5, 1775, the Spanish packet San Carlos, under the command of Lieutenant Juan Manuel de Ayala, became the first ship to enter San Francisco Bay. His crew spent a month and a half surveying the bay from its southernmost reaches to the northern end of present day Suisun Bay. The San Carlos departed September 18, 1775.
Location: Location: Aquatic Park, NW corner of Beach and Larkin Sts, San Francisco

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000774

Unmappable
CA2008000000775
CA Historic Sites

County: San Francisco
Name: NO. 327 1 SITE OF ORIGINAL MISSION DOLORES CHAPEL AND DOLORES LAGOON
Descr: On June 29, 1776, Father Fancisco Palou, a member of the Anza Expedition, had a brushwood shelter built here on the edge of a now vanished lake, Lago de los Dolores (Lake of the Sorrows), and offered the first mass. The first mission was a log and thatch structure dedicated on October 9, 1776 when the necessary church documents arrived. The present Mission Dolores was dedicated in 1791.
Location: Location: Site: Camp and Albion Sts, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000775

Unmappable
CA2008000000776
CA Historic Sites

County: San Francisco
Name: NO. 328 LONG WHARF
Descr: In the spring of 1848, the old Central or Long Wharf was built 'from the bank in the middle of the block between Sacramento and Clay Streets, where Leidesdorff Street now is, 800 feet into the Bay.' After 1850 it was extended 2,000 feet and the Pacific mail steamers and other large vessels anchored there. Central or Long Wharf is now Commercial Street.
Location: Location: Intersection of Leidesdorff and Commercial Sts, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000776

Unmappable
CA2008000000777
CA Historic Sites

County: San Francisco
Name: NO. 408 SITE OF THE FIRST MEETING OF FREEMASONS HELD IN CALIFORNIA
Descr: On November 9, 1849, a charter was granted by the Grand Lodge of the District of Columbia for the organization of California Lodge San Francisco NO. 13, now California Lodge San Francisco NO. 1 of the Free and Accepted Masons. On November 23, 1848, Levi Stowell was appointed

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Location: master of the new lodge, and on November 15, 1849, the lodge was formally organized under the charter.
 Location: 728 Montgomery St, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA200800000777

Unmappable
CA200800000880
CA Historic Sites

County: San Francisco
 Name: NO. 453 LUCAS, TURNER & CO. BANK (SHERMAN'S BANK)
 Descr: William Tecumseh Sherman established the branch bank of Lucas, Turner & Co. in San Francisco in 1853, and settled the firm in its own building on the northeast corner of Jackson and Montgomery Streets in the spring of 1854. He successfully carried the bank through the financial crisis of 1855, and remained until it discontinued business in 1857.
 Location: Location: NE corner of Montgomery and Jackson, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA200800000880

Unmappable
CA200800000881
CA Historic Sites

County: San Francisco
 Name: NO. 454 WOODWARD'S GARDENS
 Descr: R. B. Woodward opened his gardens to the public in 1866 as an amusement park catering to all tastes, and it remained San Francisco's most popular resort until it closed in 1892. The Gardens once occupied the block bounded by Mission, Duboce, Valencia, and 14th Streets, the main entrance was on Mission.
 Location: Location: SW corner of Mission and Duboce Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA200800000881

Unmappable
CA200800000882
CA Historic Sites

County: San Francisco
 Name: NO. 459 SITE OF BRICK BUILDING OF THE FIRM OF MELLUS AND HOWARD
 Descr: In the Mellus and Howard Warehouse, erected on this site in 1848, the Society of California Pioneers, oldest historical society in the state, was organized August 31, 1850 to collect and preserve the

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Location: history of California. W. D. M. Howard was its first president.
 Nrhp: Location: 555 Montgomery at Clay, San Francisco
 Source table: Not Reported
 Edr id: CA_HISTORIC_200804_SANFRANCISC
 CA2008000000882

Unmappable
CA2008000000883
CA Historic Sites

County: San Francisco
 Name: NO. 462 SITE OF FIRST JEWISH RELIGIOUS SERVICES IN SAN FRANCISCO
 Descr: In a second floor room in a store that once stood here, forty pioneers of the Jewish faith gathered on September 26, 1849, Yom Kippur (5610), and participated in the first Jewish religious services in San Francisco.
 Location: Location: 735 Montgomery between Washington and Jackson, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000883

Unmappable
CA2008000000884
CA Historic Sites

County: San Francisco
 Name: NO. 500 EASTERN TERMINUS OF CLAY STREET HILL RAILROAD
 Descr: The Clay Street Hill Railroad Company, the first cable railroad system in the world, was invented and installed by Andrew S. Hallidie. It started operation on August 1, 1873 and ceased on February 15, 1942.
 Location: Location: Portsmouth Plaza, Clay and Kearny, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000884

Unmappable
CA2008000000885
CA Historic Sites

County: San Francisco
 Name: NO. 587 FIRST PUBLIC SCHOOL
 Descr: This is the site of the first public school in California. It was opened on April 3, 1848 on the southwest corner of Portsmouth Square.
 Location: Location: Portsmouth Plaza, Clay and Brenham Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000885

Unmappable
CA2008000000886
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
Name: NO. 623 UNION SQUARE
Descr: This was the center of San Francisco in pioneer days, deeded for public use January 3, 1850 during the administration of John White Geary, first mayor and postmaster, and later Governor of Kansas and Pennsylvania. The name originated in 1860 when public meetings were held here in support of the Union.
Location: Location: NE corner of Geary and Powell, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000886

Unmappable
CA2008000000783
CA Historic Sites

County: San Francisco
Name: NO. 650 SITE OF THE WHAT CHEER HOUSE
Descr: This is the site of the famous What Cheer House, a unique hotel opened in 1852 by R. B. Woodward and destroyed by the fire of 1906. The What Cheer House catered to men only, permitted no liquor on the premises, and housed San Francisco's first free library and first museum.
Location: Location: SW corner of Sacramento and Leidesdorff Sts, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000783

Unmappable
CA2008000000784
CA Historic Sites

County: San Francisco
Name: NO. 691 SARCOPHAGUS OF THOMAS STARR KING
Descr: Apostle of liberty, humanitarian, Unitarian minister, who in the Civil War bound California to the Union and led her to excel all other states in support of the United States Sanitary Commission that preceded the American Red Cross. His statue, together with that of Father Junipero Serra, represents California in the National Capitol, and his name is borne by a Yosemite peak "A man to match our mountains."
Location: Location: First Unitarian Church, Franklin between Starr King and Geary, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000784

Unmappable
CA2008000000786
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
 Name: NO. 754 SITE OF THE MARK HOPKINS INSTITUTE OF ART
 Descr: In February 1893, Mr. Edward F. Searles donated the Hopkins Mansion to the University of California in trust for the San Francisco Art Institute for 'instruction in and illustration of the fine arts, music, and literature,' and as San Francisco's first cultural center.
 Location: Location: SE corner of California at Mason, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000786

Unmappable
CA2008000000788
CA Historic Sites

County: San Francisco
 Name: NO. 772 ORIGINAL SITE OF ST. MARY'S COLLEGE
 Descr: In August 1863, Archbishop Joseph Sadoc Alemany, OP, opened St. Mary's College here with a faculty of two diocesan priests, four laymen, and two student teachers. In August 1868, at the invitation of the archbishop, Brother Justin McMahon and seven Christian Brothers took charge of St. Mary's.
 Location: Location: Intersection of Mission and College Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000788

Unmappable
CA2008000000789
CA Historic Sites

County: San Francisco
 Name: NO. 784 EL CAMINO REAL
 Descr: (AS FATHER SERRA KNEW IT AND HELPED BLAZE IT) This plaque was placed on the 250th anniversary of the birth of California's apostle, Padre Junipero Serra, OFM, to mark El Camino Real as he knew it and helped blaze it.
 Location: Location: Mission San Diego de Alcalá, San Diego to Mission San Francisco de Asís, Dolores St, between 16th and 17th Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000789

Unmappable
CA2008000000756
CA Historic Sites

County: San Diego

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Name: NO. 784 EL CAMINO REAL
 Descr: (AS FATHER SERRA KNEW IT AND HELPED BLAZE IT) This plaque was placed on the 250th anniversary of the birth of California's apostle, Padre Junipero Serra, OFM, to mark El Camino Real as he knew it and helped blaze it.
 Location: Mission San Diego de Alcalá, 10818 San Diego Mission Rd, San Diego to Mission San Francisco de Asís, San Francisco.
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANDIEGO
 Edr id: CA2008000000756

Unmappable
CA2008000000761
CA Historic Sites

County: San Francisco
 Name: NO. 79 PRESIDIO OF SAN FRANCISCO
 Descr: Formally established on September 17, 1776, the San Francisco Presidio has been used as a military headquarters by Spain, Mexico, and the United States. It was a major command post during the Mexican War, Civil War, Spanish American War, World Wars I and II, and the Korean War, and remains a symbol of United States authority in the Pacific.
 Location: SW corner of Funston Ave and Lincoln Blvd, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000761

Unmappable
CA2008000000790
CA Historic Sites

County: San Francisco
 Name: NO. 791 ORIGINAL SITE OF THE BANCROFT LIBRARY
 Descr: In 1860 Hubert Howe Bancroft began to collect the wealth of material which was to result in the writing of his monumental history of western North America. His library was located here in 1881, in 1905 it was purchased by the University of California and moved the following year to Berkeley.
 Location: 1538 Valencia St, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000790

Unmappable
CA2008000000762
CA Historic Sites

County: San Francisco
 Name: NO. 80 MONTGOMERY BLOCK

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Descr: This is the site of San Francisco's first fireproof building, erected in 1853 by Henry Wager Halleck. It was the headquarters for many outstanding lawyers, financiers, writers, actors, and artists. James King of William, editor of the Bulletin, died here on May 14, 1856 after being shot by James Casey. This building escaped destruction in the fire of 1906.
Location: Location: 600 Montgomery St, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000762

Unmappable
CA2008000000791
CA Historic Sites

County: San Francisco
Name: NO. 810 SITE OF OLD ST. MARY'S CHURCH
Descr: The first building erected as a cathedral in California, Old St. Mary's served the Archdiocese of San Francisco from 1854 to 1891. Once the city's most prominent building, it is built of brick brought "around the Horn" in sailing ships, and much of its stonework was quarried and cut in China.
Location: Location: NE corner of California and Grant Ave, plaque on Grant Ave entrance, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000791

Unmappable
CA2008000000792
CA Historic Sites

County: San Francisco
Name: NO. 819 HUDSON'S BAY COMPANY HEADQUARTERS
Descr: On this block, then on Yerba Buena's waterfront, stood the California headquarters of the Hudson's Bay Company. Their chief trader, William G. Tae, purchased the property and started operations in 1841. This venture caused wide speculation about British intentions. Inadequate profits, a declining fur catch, and pressure of U.S. expansion caused Hudson's Bay Company to end its California operations.
Location: Location: 505 Montgomery between Sacramento and Commercial Sts, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000792

Unmappable
CA2008000000765
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
 Name: NO. 83 SHORELINE MARKERS
 Descr: This tablet marks the shoreline of San Francisco Bay at the time of the discovery of gold in California, January 24, 1848. Map reproduced above delineates old shoreline.
 Location: Location: Plaque in sidewalk, NE corner of Bush and Market Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000765

Unmappable
CA2008000000766
CA Historic Sites

County: San Francisco
 Name: NO. 84 RINCON HILL
 Descr: A fashionable neighborhood in the 1860s, Rincon Hill was the home of William Tecumseh Sherman, William C. Ralston, William Gwin, H. H. Bancroft, and others. By the 1880s the hill, already partially leveled, became a working class district. Today it is nearly invisible beneath the Bay Bridge. This plaque is mounted on the retaining wall of St. Mary's Hospital, built 1861 but destroyed in the fire of 1906.
 Location: Location: NE corner of Rincon and Bryant Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000766

Unmappable
CA2008000000793
CA Historic Sites

County: San Francisco
 Name: NO. 841 THE CONSERVATORY ?
 Descr: California's first municipal greenhouse was completed in 1879. Patterned after The Conservatory, Kew Gardens, England, it was a distinguished example of late Victorian style using early techniques of mass production and assembly of simple glass units. It was given to the City of San Francisco by public spirited citizens.
 Location: Location: Golden Gate Park, 0.5 mi W of John McLearn Lodge on J. F. Kennedy Dr, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000793

Unmappable
CA2008000000767
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
 Name: NO. 85 OFFICE OF THE CALIFORNIA STAR NEWSPAPER
 Descr: On this site January 9, 1847, the first newspaper in San Francisco, The California Star later known as The Alta Californian, was published by Samuel Brannan with Elbert P. Jones as editor.
 Location: Location: SW corner of Washington St and Brenham Place, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000767

Unmappable
CA2008000000794
CA Historic Sites

County: San Francisco
 Name: NO. 861 SITE OF FIRST CALIFORNIA STATE FAIR
 Descr: California's first state fair was held on this site on October 4, 1854. Sponsored by the California State Agricultural Society, the exhibition of 'horses, cattle, mules, and other stock, and agricultural, mechanical, and domestic manufacture and productions' promoted the new state's growing agricultural industry. A different city held the fair each year, until Sacramento became the permanent location in 1861.
 Location: Location: 269 Bush at Montgomery St, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000794

Unmappable
CA2008000000778
CA Historic Sites

County: San Francisco
 Name: NO. 87 SITE OF FIRST U.S. BRANCH MINT IN CALIFORNIA
 Descr: The first United States branch mint in San Francisco was authorized by Congress July 3, 1852 and opened for operation April 3, 1854. Dr. L. A. Birdsall was the first superintendent, J. Huston, first minter, and A. Haraszthy, first assayer.
 Location: Location: 608 610 Commercial St near Montgomery, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA2008000000778

Unmappable
CA2008000000796
CA Historic Sites

County: San Francisco
 Name: NO. 876 CITY OF PARIS BUILDING

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Descr: It was 1850 when the Verdier brothers, immigrants from France, opened a store aboard the ship La Ville de Paris to serve the Argonauts passing through San Francisco's harbor. In 1896 the business, which stayed in the family for over a century and a quarter, moved into a new building designed by architect Clinton Day, damaged by the 1906 earthquake, its interior was reconstructed by architects John Bakewell and Arthur J. Brown. The old City of Paris building was one of the finest examples of the beaux arts style of commercial building in California.

Location: Location: SE corner of Geary and Stockton Sts, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000796

Unmappable
CA2008000000779
CA Historic Sites

County: San Francisco
Name: NO. 88 NIAN TIC HOTEL
Descr: (BUILDING) The emigrant ship Niantic stood on this spot in the early days "when the water came up to Montgomery Street." Converted to other uses, it was covered with a shingle roof with offices and stores on the deck, at the level of which was constructed a wide balcony surmounted by a veranda. The hull was divided into warehouses entered by doorways on the sides. The fire of May 3, 1851 destroyed all but the submerged hulk, which later was utilized as the foundation for the Niantic Hotel, a famous hostelry that stood until 1872.

Location: Location: In lower level of Two Transamerica Center 505 Sansome at Clay, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000779

Unmappable
CA2008000000780
CA Historic Sites

County: San Francisco
Name: NO. 89 SITE OF PARROTT GRANITE BLOCK
Descr: The Parrott Block was erected in 1852 by John Parrott, an importer and banker. The three story building, built by Chinese labor, was of granite blocks brought from China. The 1906 earthquake and fire did little damage to the building, which soon thereafter reopened for business. In 1926 it was demolished to make way for the Financial Center Building.

Location: Location: NW corner of California and Montgomery, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000780

Unmappable
CA2008000000781
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
Name: NO. 90 FORT GUNNYBAGS
Descr: This is the site of the headquarters of the Vigilance Committee of 1856. On June 21, 1856, Judge David S. Terry was arrested and confined in a cell. The committee, fearing that his friends might attempt to rescue him, decided to fortify the building with gunnysacks filled with sand.
Location: Location: S side of Sacramento between Davis and Front, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000781

Unmappable
CA2008000000782
CA Historic Sites

County: San Francisco
Name: NO. 91 TELEGRAPH HILL
Descr: A signal station was erected on Telegraph Hill in 1849 from which to observe the incoming vessels, a tall pole with movable arms was used to signal to the people in the town below whether sailing vessels or the sidewheel vessels of the Pacific mail were passing through the Golden Gate. In September 1853, the first telegraph in California, which extended eight miles to Point Lobos, was stationed here, giving the hill its name.
Location: Location: Lobby of Coit Tower, Telegraph Hill, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000782

Unmappable
CA2008000000797
CA Historic Sites

County: San Francisco
Name: NO. 937 SITE OF INVENTION OF THE THREE REEL BELL SLOT MACHINE
Descr: Charles August Fey invented the first coin operated, three reel slot machine in San Francisco in 1895. Fey continued to manufacture the popular 'Liberty Bell' gaming devices in a workshop located at 406 Market Street from 1897 to 1906, until the workshop was destroyed by the 1906 earthquake and fire. The international popularity of the bell slot machines attested to Fey's ingenuity as an enterprising inventor whose basic design continues to be used in mechanical gaming devices today.
Location: Location: Traffic island on N side of Market St between Bush and Battery Sts, San Francisco
Nrhp: Not Reported
Source table: CA_HISTORIC_200804_SANFRANCISC
Edr id: CA2008000000797

Unmappable
CA2008000000798
CA Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

County: San Francisco
 Name: NO. 941 FARNSWORTH'S GREEN STREET LAB
 Descr: In a simple laboratory on this site, 202 Green Street, Philo Taylor Farnsworth, U.S. pioneer in electronics, invented and patented the first operational all electronic 'television system.' On September 7, 1927 the 21 year old inventor and several dedicated assistants successfully transmitted the first all electronic television image, the major breakthrough that brought the practical form of this invention to mankind. Further patents formulated here covered the basic concepts essential to modern television. The genius of Green Street, as he was known, died in 1971.
 Location: Location: NW corner of Sansome and Green Sts, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA200800000798

Unmappable
CA200800000801
CA Historic Sites

County: San Francisco
 Name: NO. 987 TREASURE ISLAND GOLDEN GATE INTERNATIONAL EXPOSITION, 1939 40
 Descr: This artificial island was constructed of bay sand in 1936 7. It was the site of the Golden Gate International Exposition, February 18, 1939 September 29, 1940. Tall towers, gigantic goddesses and dazzling lighting effects turned the Island into a "Magic City." The exposition celebrated the ascendancy of California and San Francisco as economic, political and cultural forces in the increasingly important Pacific Region. From 1939 to 1944 the Island was the landing site for flights of the China Clipper. Treasure Island has been a U.S. Naval Station since 1941.
 Location: Location: Naval Station, Treasure Island, San Francisco
 Nrhp: Not Reported
 Source table: CA_HISTORIC_200804_SANFRANCISC
 Edr id: CA200800000801

Unmappable
04000659
National Register of Hist. Places

Refnum: 04000659
 Resname: Palace of Fine Arts
 Address: 3301 Lyon St.
 Resource Type: District
 Number buildings: 000001
 Number sites: Not Reported
 Number structs: 000004
 Number objects: Not Reported
 Non-contrib bldg: Not Reported
 Non-contrib sites: Not Reported
 Non-contrib structs: Not Reported

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Non-contrib objects:	Not Reported
Primary Certification:	Date received/pending nomination
Certification date:	20040527
Acreage:	170
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Areas of significance:	Conservation
Current Function:	Recreation and culture
Building Material:	Concrete
Building Material:	Stucco

Unmappable
76000176
National Register of Hist. Places

Refnum:	76000176
Resname:	Point Lobos Archeological Sites
Address:	Address Restricted
Resource Type:	District
Number buildings:	000000
Number sites:	000003
Number structs:	000000
Number objects:	000000
Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Listed in the national register
Certification date:	19761107
Acreage:	200
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Applicable Criteria:	Information Potential
Areas of significance:	Prehistoric
Areas of significance:	Science
Current Function:	Landscape
Building Material:	Inapplicable
Alternate name:	Sites SFr-5,21 & 24

Unmappable
94000925
National Register of Hist. Places

Refnum:	94000925
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UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Resname:	San Francisco Korean United Methodist Church
Address:	1123 Powell St.
Resource Type:	Building
Number buildings:	000001
Number sites:	000000
Number structs:	000000
Number objects:	000000
Non-contrib bldg:	000001
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Determined eligible/owner objection
Certification date:	19940826
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Areas of significance:	Social history
Areas of significance:	Religion
Areas of significance:	Asian
Current Function:	Religion
Building Material:	Wood
Building Material:	Stucco
Building Material:	Terra cotta
Building Material:	None listed

Unmappable
01000281
National Register of Hist. Places

Refnum:	01000281
Resname:	San Francisco Maritime National Historic Site
Address:	fort Mason, Bld. 201
Resource Type:	Not Reported
Number buildings:	Not Reported
Number sites:	Not Reported
Number structs:	Not Reported
Number objects:	Not Reported
Non-contrib bldg:	Not Reported
Non-contrib sites:	Not Reported
Non-contrib structs:	Not Reported
Non-contrib objects:	Not Reported
Primary Certification:	Listed in the national register
Certification date:	19880627
Acreage:	Not Reported
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco

Unmappable
05000273
National Register of Hist. Places

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Refnum:	05000273
Resname:	Spencer, John, House
Address:	1080 Haight St.
Resource Type:	Building
Number buildings:	000001
Number sites:	Not Reported
Number structs:	Not Reported
Number objects:	Not Reported
Non-contrib bldg:	000001
Non-contrib sites:	Not Reported
Non-contrib structs:	Not Reported
Non-contrib objects:	Not Reported
Primary Certification:	Listed in the national register
Certification date:	20050414
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Architecture
Current Function:	Domestic
Building Material:	Concrete
Building Material:	Stucco
Building Material:	Asphalt
Building Material:	Copper
Building Material:	Weatherboard
Building Material:	Wood
Building Material:	Copper
Alternate name:	The Spencer House

Unmappable
78003405
National Register of Hist. Places

Refnum:	78003405
Resname:	SS JEREMIAH O'BRIEN National Historic Landmark
Address:	Pier 3, Fort Mason Center
Resource Type:	Structure
Number buildings:	000000
Number sites:	000000
Number structs:	000001
Number objects:	000000
Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Listed in the national register
Certification date:	19780607
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Areas of significance: Military
 Current Function: Recreation and culture
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: None listed
 Alternate name: See Also:SS JEREMIAH O'BRIEN

Unmappable
88002394
National Register of Hist. Places

Refnum: 88002394
 Resname: SS RIO DE JANEIRO Shipwreck
 Address: Address Restricted
 Resource Type: Site
 Number buildings: 000000
 Number sites: 000001
 Number structs: 000001
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19881103
 Acreage: 5
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Event
 Applicable Criteria: Architecture/Engineering
 Applicable Criteria: Information Potential
 Areas of significance: Historic - non-Aboriginal
 Areas of significance: Commerce
 Areas of significance: Military
 Areas of significance: Transportation
 Areas of significance: Architecture
 Current Function: Landscape
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Iron
 Building Material: Wood
 Alternate name: CITY OF RIO DE JANEIRO

Unmappable
95001159
National Register of Hist. Places

Refnum: 95001159

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Resname:	St. Brigid's Church
Address:	2151 Van Ness Ave.
Resource Type:	Building
Number buildings:	000001
Number sites:	000000
Number structs:	000000
Number objects:	000000
Non-contrib bldg:	000000
Non-contrib sites:	000000
Non-contrib structs:	000000
Non-contrib objects:	000000
Primary Certification:	Determined eligible/owner objection
Certification date:	19951005
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Architecture
Current Function:	Vacant/not in use
Building Material:	Granite
Building Material:	Granite
Building Material:	Slate
Building Material:	Terra cotta

Unmappable
04001154
National Register of Hist. Places

Refnum:	04001154
Resname:	Swedenborgian Church
Address:	3200 Washington St.
Resource Type:	Building
Number buildings:	000003
Number sites:	Not Reported
Number structs:	Not Reported
Number objects:	Not Reported
Non-contrib bldg:	Not Reported
Non-contrib sites:	Not Reported
Non-contrib structs:	Not Reported
Non-contrib objects:	Not Reported
Primary Certification:	Listed in the national register
Certification date:	20040818
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Architecture
Areas of significance:	Art
Current Function:	Religion
Building Material:	Concrete
Building Material:	Brick

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

Building Material: Stucco
 Building Material: Terra cotta
 Building Material: Ceramic tile
 Alternate name: Church of the New Jerusalem; Lyon Street Church

Unmappable
79000254
National Register of Hist. Places

Refnum: 79000254
 Resname: Tubbs Cordage Company Office Building
 Address: Hyde St. Pier
 Resource Type: Building
 Number buildings: 000001
 Number sites: 000000
 Number structs: 000000
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000
 Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19791106
 Acreage: 1
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Event
 Areas of significance: Industry
 Areas of significance: Commerce
 Current Function: Recreation and culture
 Building Material: Wood
 Building Material: Wood
 Building Material: Shingle
 Building Material: Brick
 Building Material: Metal

Unmappable
86000089
National Register of Hist. Places

Refnum: 86000089
 Resname: USS PAMPANITO (submarine)
 Address: Fisherman's Wharf-Pier 45
 Resource Type: Structure
 Number buildings: 000000
 Number sites: 000000
 Number structs: 000001
 Number objects: 000000
 Non-contrib bldg: 000000
 Non-contrib sites: 000000

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status
EDR ID
Database**

Non-contrib structs: 000000
 Non-contrib objects: 000000
 Primary Certification: Listed in the national register
 Certification date: 19860114
 Acreage: 9
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Event
 Areas of significance: Military
 Current Function: Recreation and culture
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Inapplicable
 Building Material: Wood
 Alternate name: SS 383

Unmappable
05001112
National Register of Hist. Places

Refnum: 05001112
 Resname: Veterans Affairs Medical Center--San Francisco, California
 Address: 4150 Clement St.
 Resource Type: Not Reported
 Number buildings: Not Reported
 Number sites: Not Reported
 Number structs: Not Reported
 Number objects: Not Reported
 Non-contrib bldg: Not Reported
 Non-contrib sites: Not Reported
 Non-contrib structs: Not Reported
 Non-contrib objects: Not Reported
 Primary Certification: Date received/pending nomination
 Certification date: 20050824
 Acreage: 292
 Alternate name: Not Reported
 County: San Francisco
 City: San Francisco
 Applicable Criteria: Architecture/Engineering
 Areas of significance: Architecture
 Areas of significance: Engineering
 Current Function: Health care
 Building Material: Concrete
 Building Material: Asphalt
 Building Material: Concrete
 Building Material: Stucco
 Building Material: Terra cotta

Unmappable
04000955
National Register of Hist. Places

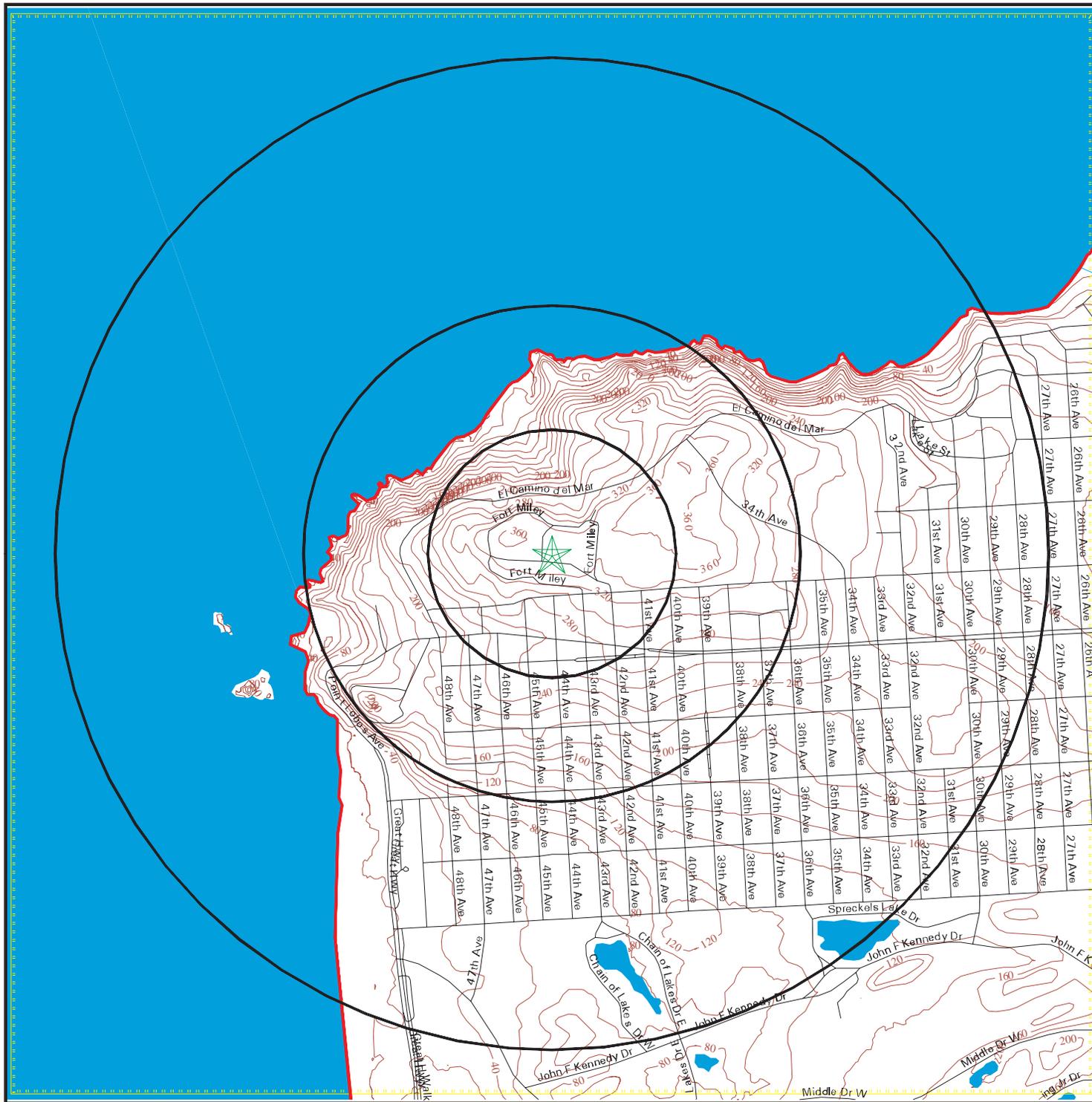
UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

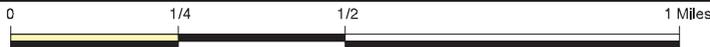
Status
EDR ID
Database

Refnum:	04000955
Resname:	Woman's Athletic Club of San Francisco
Address:	640 Sutter St.
Resource Type:	Building
Number buildings:	000001
Number sites:	Not Reported
Number structs:	Not Reported
Number objects:	Not Reported
Non-contrib bldg:	Not Reported
Non-contrib sites:	Not Reported
Non-contrib structs:	Not Reported
Non-contrib objects:	Not Reported
Primary Certification:	Listed in the national register
Certification date:	20040910
Acreage:	9
Alternate name:	Not Reported
County:	San Francisco
City:	San Francisco
Applicable Criteria:	Event
Applicable Criteria:	Architecture/Engineering
Areas of significance:	Architecture
Areas of significance:	Social history
Current Function:	Social
Current Function:	Recreation and culture
Current Function:	Domestic
Building Material:	Concrete
Building Material:	Asphalt
Building Material:	Ceramic tile
Building Material:	Brick
Building Material:	Terra cotta
Alternate name:	Metropolitan Club

Flood Plain Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  100-year flood zone
-  500-year flood zone
-  Electronic FEMA data available
-  Electronic FEMA data not available



SITE NAME: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.7s
 DATE: July 25, 2011

FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
--------	-------------------------------------

SAN FRANCISCO, CA

NO

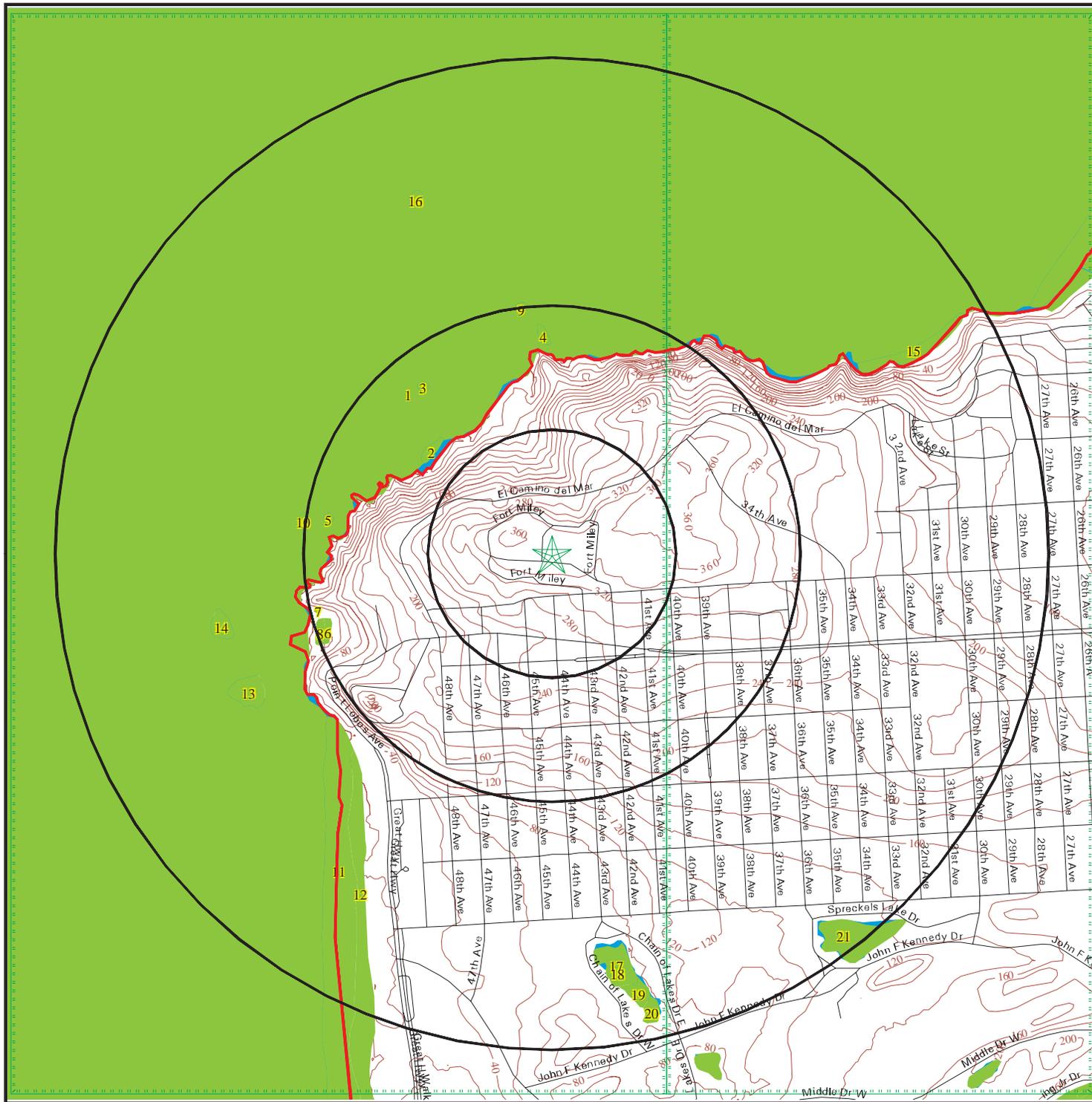
Flood Plain panel at target property:

None Reported

Additional Flood Plain panel(s) in search area:

None Reported

National Wetlands Inventory Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  National Wetland Inventory
-  Electronic NWI data available
-  Electronic NWI data not available

SITE NAME: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.7s
 DATE: July 25, 2011

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Point Bonita

Additional NWI hardcopy map(s) in search area:

San Francisco North

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	NNW	1/4-1/2 mi	1549	M1UBL [M] Marine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 37.785999 / -122.507942	NWI
2	NW	1/4-1/2 mi	1636	M2USN [M] Marine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 37.785332 / -122.509476	NWI
3	NW	1/4-1/2 mi	2195	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.787106 / -122.509888	NWI
4	North	1/4-1/2 mi	2224	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.788410 / -122.505432	NWI
5	West	1/4-1/2 mi	2346	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.783279 / -122.513329	NWI
6	WSW	1/4-1/2 mi	2444	PEMAh [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [h] Diked/Impounded Lat/Lon: 37.780354 / -122.513390	NWI
7	WSW	1/4-1/2 mi	2514	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.780697 / -122.513763	NWI
8	WSW	1/4-1/2 mi	2524	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.780418 / -122.513702	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
9	North	1/4-1/2 mi	2555	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.789257 / -122.506470	NWI
10	West	1/4-1/2 mi	2595	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.783245 / -122.514206	NWI
11	SW	1/2-1 mi	2881	M2USN [M] Marine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 37.777359 / -122.513092	NWI
12	SW	1/2-1 mi	2964	M2USP [M] Marine, [2] Intertidal, [US] Unconsolidated Shore, [P] Irregularly Flooded Lat/Lon: 37.776566 / -122.512589	NWI
13	WSW	1/2-1 mi	3368	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.778572 / -122.515968	NWI
14	WSW	1/2-1 mi	3487	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.780029 / -122.517029	NWI
15	ENE	1/2-1 mi	3807	M2USN [M] Marine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 37.787659 / -122.493988	NWI
16	NNW	1/2-1 mi	3954	M2RSN [M] Marine, [2] Intertidal, [RS] Rocky Shore, [N] Regularly Flooded Lat/Lon: 37.792431 / -122.510231	NWI
17	South	1/2-1 mi	4206	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 37.770927 / -122.502708	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 South 1/2-1 mi 4456	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded Lat/Lon: 37.770195 / -122.502998	NWI
19 SSE 1/2-1 mi 4580	PSSC [P] Palustrine, [SS] Scrub-Shrub, [C] Seasonally Flooded Lat/Lon: 37.769962 / -122.502174	NWI
20 SSE 1/2-1 mi 4821	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 37.769367 / -122.501671	NWI
21 SE 1/2-1 mi 4850	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 37.771538 / -122.495392	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM

2 - INTERTIDAL

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL 2 - LOWER PERENNIAL 3 - UPPER PERENNIAL 4 - INTERMITTENT 5 - UNKNOWN PERENNIAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM

2 - LITTORAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM

P - PALUSTRINE

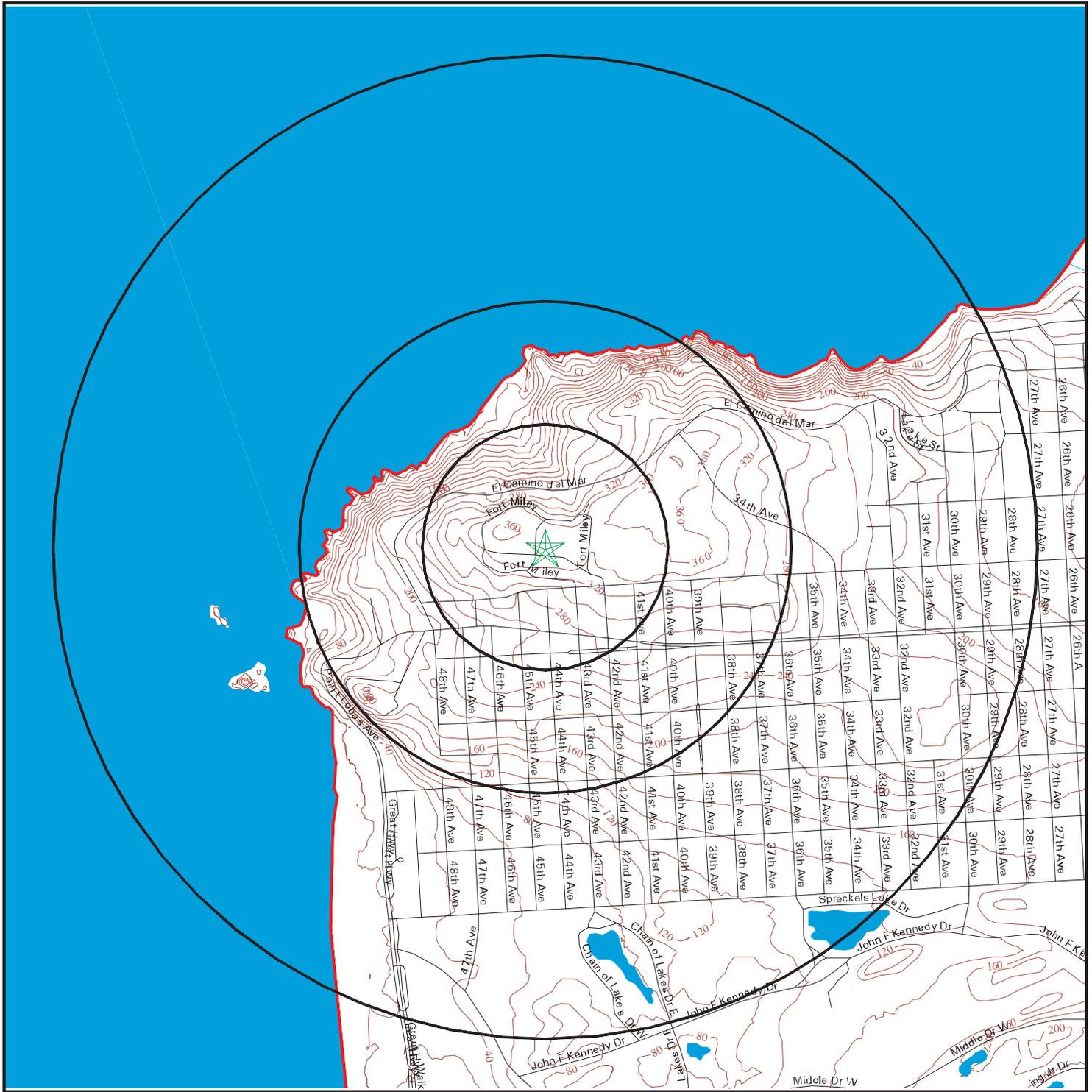
CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal		1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal		2 Euhaline	8 Eusaline	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal		3 Mixohaline (Brackish)	9 Mixosaline	a Acid	f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal		4 Polyhaline	0 Fresh	t Circumneutral	h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown		5 Mesohaline		i Alkaline	r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown				0 Fresh			x Excavated

FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Power Lines
-  Water
-  Sites



SITE NAME: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.7s
 DATE: July 25, 2011

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID
Database

No Sites Reported.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Pacific West Region

600 Harrison Street, Suite 600

San Francisco, CA 94107

415-427-1300

USDA Forest Service, Pacific Southwest

630 Sansome Street

San Francisco, CA 94111

415-705-2557

BLM - California State Office

2800 Cottage Way, Room W-1834

Sacramento, CA 95825-1886

916-978-4400

Fish & Wildlife Service, Region 1

Eastside Federal Complex 911 NE 11th Avenue

Portland, OR 97232-4181

503-231-6188

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

State Contacts for Additional Information

Department of Fish & Game 916-653-7667

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

CA Endangered Species: Natural Diversity Database

Source: Dept. of Fish and Game.

Telephone: 916-324-3812

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

State Contacts for Additional Information

Natural Heritage Program, Dept. of Fish & Game 916-322-2493

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

CA Historic Landmarks: CA Historical Landmarks

Source: Office of Historic Preservation.

Telephone: 916-653-6624

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

State Contacts for Additional Information

Office of Historic Preservation, Ept. Of Parks & Recreation 916-653-6624

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

Phoenix Area Office, Bureau of Indian Affairs
One North First Street P.O. Box 10
Phoenix, AZ 85001
602-379-6600

Sacramento Area Office, Bureau of Indian Affairs
2800 Cottage Way
Sacramento, CA 95825
916-979-2600

Cultural Division, Yuork Tribe
1034 6th Street
Eureka, CA 95501

Scenic Trails

State Contacts for Additional Information

Pacific Crest Trail Association
5325 Elkhorn Boulevard, #256
Sacramento, California 95842
916-349-2109

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Office of Emergency Services 916-262-1843

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Department of Fish & Game 916-653-7667

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management

N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

California Coastal Commission 415-904-5200

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

4G Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Towers

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

FM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data

Rextag Strategies Corp.
14405 Walters Road, Suite 510
Houston, TX 77014
281-769-2247
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

NEPA Single Point of Contact

State Contacts for Additional Information
Grants Coordination
State Clearinghouse
P.O. Box 3044
Room 222
Sacramento, CA 95812-3044
916-445-0613

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

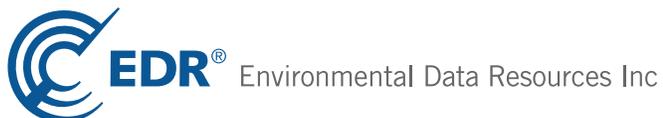
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Proposed GSHP

4150 Clement Street
San Francisco, CA 94121

Inquiry Number: 3132885.2s
July 25, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4150 CLEMENT STREET
SAN FRANCISCO, CA 94121

COORDINATES

Latitude (North): 37.782300 - 37° 46' 56.3"
Longitude (West): 122.505300 - 122° 30' 19.1"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 543562.6
UTM Y (Meters): 4181571.2
Elevation: 355 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37122-G5 POINT BONITA, CA
Most Recent Revision: 1978

East Map: 37122-G4 SAN FRANCISCO NORTH, CA
Most Recent Revision: 1999

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
VETERANS ADMINISTRATION HOSPITAL 4150 CLEMENT ST SAN FRANCISCO, CA 94121	HIST FTTS	N/A
BLUE WATER 4150 CLEMENT ST SAN FRANCISCO, CA 94121	HAZNET	N/A
VETERANS ADMIN MEDICAL CE 4150 CLEMENT SAN FRANCISCO, CA 94121	HIST CORTESE	N/A
VETERANS AFFAIRS MEDICAL CENTER 4150 CLEMENT STREET SAN FRANCISCO, CA 94121	FINDS	N/A

EXECUTIVE SUMMARY

US DEP VETERANS AFFAIR MED CTR 4150 CLEMENT ST SAN FRANCISCO, CA 94121	UST	N/A
VETERANS AFFAIRS MEDICAL CTR 4150 CLEMENT ST SAN FRANCISCO, CA 94121	MANIFEST	N/A
4150 CLEMENT STREET BETWEEN BUILD 4150 CLEMENT STREET BETWEEN BUILDINGS 2 & 200 ON WEST SIDE SAN FRANCISCO, CA	CHMIRS	N/A
VETERANS ADMINISTRATION HOSPITAL 4150 CLEMENT ST SAN FRANCISCO, CA 94121	FTTS	N/A
VETERANS AFFAIRS MEDICAL CENTER S 4150 CLEMENT ST. SAN FRANCISCO, CA 94121	RCRA-LQG CA FID UST HIST UST SWEEPS UST HAZNET	CA8360010328
VETERANS ADMIN. MED. CENTER 4150 CLEMENT STREET SAN FRANCISCO, CA 94121	LUST Status: Completed - Case Closed HAZNET EMI ENVIROSTOR	N/A
V. A. MEDICAL CTR. 4150 CLEMENT STREET SAN FRANCISCO, CA 94121	MLTS	N/A
USTPO - FY07 US DEPT. OF VETERAN 4150 CLEMENT ST SAN FRANCISCO, CA 94107	FINDS	N/A
VA HOSPITAL 4150 CLEMENT ST SAN FRANCISCO, CA 94121	FTTS HIST FTTS	N/A

EXECUTIVE SUMMARY

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

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

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-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators

EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN.....	Bond Expenditure Plan
WDS.....	Waste Discharge System
NPDES.....	NPDES Permits Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
Notify 65.....	Proposition 65 Records
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
PROC.....	Certified Processors Database
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

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 03/11/2011 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NPS OCEAN DIST MAINT WALGREENS 3475	42ND ST AND CLEMENT ST 25 POINT LOBOS AVE	0 - 1/8 (0.000 mi.) S 0 - 1/8 (0.100 mi.)	14 C20	44 50

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/20/2011 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOLDEN GATE SERVICE Status: Completed - Case Closed	7355 GEARY	ESE 1/4 - 1/2 (0.274 mi.)	32	67
RESIDENCE Status: Completed - Case Closed	34 SHORE VIEW AVE	E 1/4 - 1/2 (0.297 mi.)	G34	70

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, and dated 06/20/2011 has revealed that there are 9 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RESIDENCE	464 43RD AV	S 0 - 1/8 (0.086 mi.)	C16	47
RESIDENCE	400 40TH AV	E 0 - 1/8 (0.098 mi.)	18	49
RESIDENCE	8027 GEARY BL	S 1/8 - 1/4 (0.127 mi.)	B22	54
CCSF/SFFD/FIRE	499 41ST AV	SSE 1/8 - 1/4 (0.128 mi.)	E25	56
RESIDENCE	530 41ST AV	SSE 1/8 - 1/4 (0.174 mi.)	E26	58
RESIDENCE	550 44TH AV	S 1/8 - 1/4 (0.195 mi.)	27	60
RESIDENCE	7450 GEARY BL	ESE 1/8 - 1/4 (0.208 mi.)	F28	61

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CCSF/FINE ARTS RESIDENCE	100 34TH AV 501 38TH AV	E 1/8 - 1/4 (0.230 mi.) ESE 1/8 - 1/4 (0.249 mi.)	29 F30	63 64

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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 is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
*SFFD/FIRE STATION #34	499 41ST AVE	SSE 1/8 - 1/4 (0.128 mi.)	E23	55

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 is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FIRE STATION #34	499 41ST AVE	SSE 1/8 - 1/4 (0.128 mi.)	E24	56

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 is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
*SFFD/FIRE STATION #34	499 41ST AVE	SSE 1/8 - 1/4 (0.128 mi.)	E23	55

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 12/31/2009 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POINT LOBOS SEARCHLIGHT POSITI		W 1/4 - 1/2 (0.273 mi.)	31	66

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHINA BEACH BIVOUAC AREA		ENE 1/2 - 1 (0.647 mi.)	35	72

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 [CALSTES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOLDEN GATE SERVICE	7355 GEARY	ESE 1/4 - 1/2 (0.274 mi.)	32	67
RESIDENCE	34 SHOREVIEW	E 1/4 - 1/2 (0.296 mi.)	G33	69

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR 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.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there are 2 EDR Historical Auto Stations sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STEPHENS GEO	224 POINT LOBOS AV	S 0 - 1/8 (0.079 mi.)	B15	47
STROUD J H	475 42ND AVE	S 0 - 1/8 (0.096 mi.)	D17	48

EDR 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.

A review of the EDR Historical Cleaners list, as provided by EDR, has revealed that there are 2 EDR Historical Cleaners sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HIGHLANDER CENTER SELF-SERVICE	25 POINT LOBOS AVE	S 0 - 1/8 (0.100 mi.)	C19	50
HIGHLANDER CENTER SELF SERVICE	1 POINT LOBOS AVE	S 0 - 1/8 (0.102 mi.)	D21	53

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

<u>Site Name</u>	<u>Database(s)</u>
UNKNOWN PIER 50	HIST CORTESE, LUST, Notify 65 RCRA-SQG, FINDS, CHMIRS, HAZNET, EMI
FARALLON ISLANDS BAY VIEW GREEN WASTE MGT. COMPANY SF PIER 98 INDIA BASIN CCSF/DTIS/CENTRAL RADIO STATION (C BATTERY, EAST ROAD	CERCLIS, FINDS SWF/LF SWF/LF UST UST

OVERVIEW MAP - 3132885.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

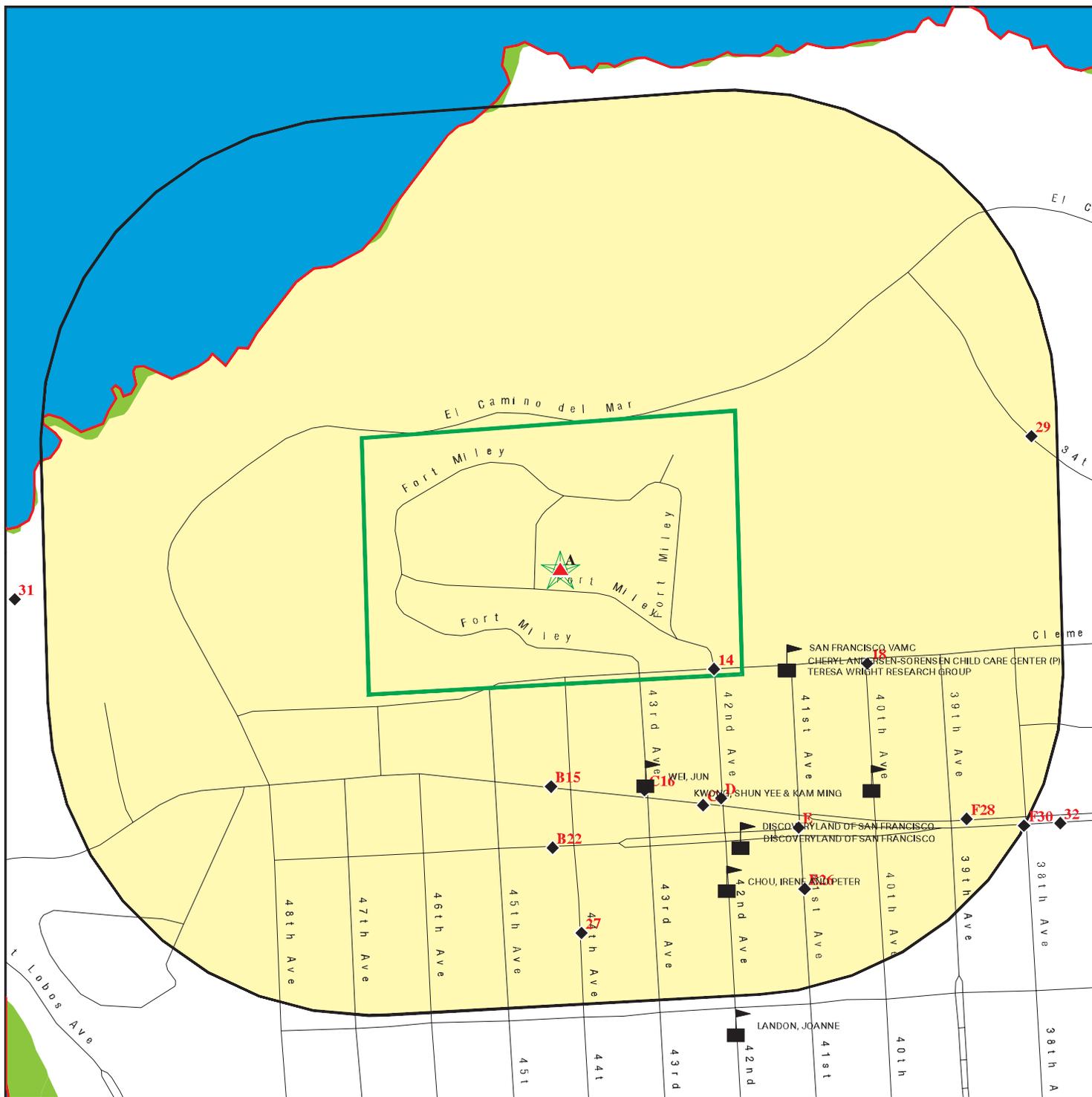
-  Indian Reservations BIA
-  County Boundary
-  Oil & Gas pipelines from USGS
-  National Wetland Inventory
-  Areas of Concern

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: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.2s
 DATE: July 25, 2011 4:34 pm

DETAIL MAP - 3132885.2s



-  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

-  Indian Reservations BIA
-  County Boundary
-  Oil & Gas pipelines from USGS
-  National Wetland Inventory
-  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: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.2s
 DATE: July 25, 2011 4:35 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	X	0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	2	0	NR	NR	NR	2
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE		1.000	0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	X	1.000	0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	X	0.500	0	0	2	NR	NR	2
SLIC		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	X	0.250	2	7	NR	NR	NR	9
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		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								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
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
Local Lists of Hazardous waste / Contaminated Sites								
US 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
Toxic Pits		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	X	0.250	0	1	NR	NR	NR	1
HIST UST	X	0.250	0	1	NR	NR	NR	1
SWEEPS UST	X	0.250	0	1	NR	NR	NR	1
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS	X	TP	NR	NR	NR	NR	NR	0
LDS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	1	1	NR	2
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS	X	TP	NR	NR	NR	NR	NR	0
HIST FTTS	X	TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS	X	TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
WDS		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE	X	0.500	0	0	2	NR	NR	2
Notify 65		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI	X	TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
HWP		1.000	0	0	0	0	NR	0
HWT		0.250	0	0	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
PROC		0.500	0	0	0	NR	NR	0
MWMP		0.250	0	0	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	2	0	NR	NR	NR	2
EDR Historical Cleaners		0.250	2	0	NR	NR	NR	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **VETERANS ADMINISTRATION HOSPITAL**
Target **4150 CLEMENT ST**
Property **SAN FRANCISCO, CA 94121**

HIST FTTS **1008192110**
N/A

Site 1 of 13 in cluster A

Actual:
355 ft.

HIST FTTS:
Case Number: Not reported
Docket Number: 09-86098-02-WR
Complaint Issue Date: 04/21/1986
Abatement Amount: 0.0000
Proposed Penalty: 0.0000
Final Assessment: 0.0000
Final Order Date: 07/14/1988
Close Date: / /
Violations(s): PCB, Failure to Maintain Records
PCB, Dispose
PCB, Use
PCB, Storage
PCB, Label or Marking

HIST FTTS INSP:
Inspection Number: 1986031301736 1
Region: 09
Inspection Date: Not reported
Inspector: HORGAN
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

A2 **BLUE WATER**
Target **4150 CLEMENT ST**
Property **SAN FRANCISCO, CA 94121**

HAZNET **S108199371**
N/A

Site 2 of 13 in cluster A

Actual:
355 ft.

HAZNET:
Year: 2004
Gepaid: CAC002573449
Contact: JOE SCHLEGEL
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: SAN FRANCISCO, CA 94121
Gen County: San Francisco
TSD EPA ID: CAD981382732
TSD County: Alameda
Waste Category: Asbestos containing waste
Disposal Method: D80
Tons: 2.52
Facility County: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A3 **VETERANS ADMIN MEDICAL CE**
Target **4150 CLEMENT**
Property **SAN FRANCISCO, CA 94121**

HIST CORTESE **S110060964**
N/A

Site 3 of 13 in cluster A

Actual: **CORTESE:**
355 ft. Region: **CORTESE**
 Facility County Code: **38**
 Reg By: **LTNKA**
 Reg Id: **38-0417**

A4 **VETERANS AFFAIRS MEDICAL CENTER**
Target **4150 CLEMENT STREET**
Property **SAN FRANCISCO, CA 94121**

FINDS **1007739500**
N/A

Site 4 of 13 in cluster A

Actual: **FINDS:**
355 ft. Registry ID: **110019005262**

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A5 **US DEP VETERANS AFFAIR MED CTR**
Target **4150 CLEMENT ST**
Property **SAN FRANCISCO, CA 94121**

UST **U003880052**
N/A

Site 5 of 13 in cluster A

Actual: **UST:**
355 ft. Facility ID: **12487**
 Latitude: **37.78126**
 Longitude: **-122.50219**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US DEP VETERANS AFFAIR MED CTR (Continued)

U003880052

SAN FRANCISCO CO. UST:

Facility ID: 5751
Facility Status: Not reported
Number Of Tanks: Not reported
Owner/Operator Name: Not reported
Owner/Operator Title: Not reported
Owner Name: VA Medical Center
Care Of Addr: Hussam Alkhadra,
2nd Care Of Addr: Not reported
Mailing Address: 4150 CLEMENT ST.,
Mailing City,St,Zip: San Francisco, CA 94121
Permit Number: Not reported
Permit Approved By: Not reported
Permit Expiration Date: Not reported
Applications: Not reported
Application Date: Not reported
Application Name: Not reported
Action Type: 1
Yr Spill/Overfill Installed1: Not reported
Yr Spill/Overfill Installed2: Not reported
Yr Spill/Overfill Installed3: Not reported

Tank ID: 1001
Tank Test: Not reported
Local Tank Id: 5751001001
Tank Manufacturer: Owens Corning
Compartmentalized Tank: No
Of Tank Compartments: Not reported
Date Tank Installed: 5/3/1994
Tank Capacity: 2500
Additional Desc: Not reported
Tank Use: 1
Petroleum Type: Diesel
Common Name: Not reported
Case Number: Not reported
Type Of Tank: Double wall
Primary Tank Material: Fiberglass/plastic
Secondary Tank Material: Not reported
Tank Interior Lining: Unknown
Date Interior Lining Install: Not reported
Close Date: Not reported
UST Close ID: Not reported
Type Of Spill Protection: spill containment, drop tube
Date Alarm Overfill Protection Installed: Not reported
Date Ball Float Overfill Protection Installed: Not reported
Date Fill Tube Shut Overfill Protection Installed: Not reported
Overfill Protection Exempt: No
Othr Tnk Corrosive Prtctn: Fiberglass Reinforced Plastic (FRP)
Date Corrosive Prtctn Install: Not reported
Tank Leak Detection (single walled): Not reported
Tank Leak Detection (double wall): Continuous Interstitial Monitoring
Estimated Date Last Used: Not reported
Estimated Qty Of Substance Remaining: 0
Tank Filled With Inert Material: 0
Piping System Type (Underground): Suction
Piping System Type (Aboveground): Suction
Piping Construction (Underground): Double Wall

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US DEP VETERANS AFFAIR MED CTR (Continued)

U003880052

Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Fiberglass
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	None
Date Certified (Tank Unit):	Not reported
Certified Date:	Not reported
Last Annual Monitoring Cert:	1/2/2008
2nd Containment Test:	1/20/2006
Spill Containment Present:	Yes
Drop Tube Present:	Yes
Striker Plate Present:	Yes
Alarm Present:	No
Ball Float Present:	No
Fill Tube Present:	Yes
Other Tank Leak Detection Present:	No

Tank ID:	1002
Tank Test:	Not reported
Local Tank Id:	5751001002
Tank Manufacturer:	Owens Corning
Compartmentalized Tank:	No
# Of Tank Compartments:	Not reported
Date Tank Installed:	5/3/1994
Tank Capacity:	30000
Additional Desc:	Not reported
Tank Use:	1
Petroleum Type:	Diesel
Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Double wall
Primary Tank Material:	Fiberglass/plastic
Secondary Tank Material:	Not reported
Tank Interior Lining:	Unknown
Date Interior Lining Install:	Not reported
Close Date:	Not reported
UST Close ID:	Not reported
Type Of Spill Protection:	spill containment, drop tube, striker plate
Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	No
Othr Tnk Corrosive Prtctn:	Fiberglass Reinforced Plastic (FRP)
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Continuous Interstitial Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US DEP VETERANS AFFAIR MED CTR (Continued)

U003880052

Estimated Date Last Used: Not reported
Estimated Qty Of Substance Remaining: 0
Tank Filled With Inert Material: 0
Piping System Type (Underground): Suction
Piping System Type (Aboveground): Suction
Piping Construction (Underground): Double Wall
Piping Manufacturer (Underground): Not reported
Piping Construction (Aboveground): Not reported
Piping Manufacturer (Aboveground): Not reported
Piping Material & Corrosion Protection (Underground): Fiberglass
Piping Material & Corrosion Protection (Aboveground): Not reported
Piping Leak Detection (Undrgrnd - Single Wall): Not reported
Piping Leak Detection (2nd Contained): Not reported
Piping Leak Detection (Emrgncy Gnrtrs): Not reported
Pipe Integrity Test, Underground: Not reported
Piping Leak Detection (Aboveground - Single Wall): Not reported
Piping Leak Detection (Underground - 2nd Contained): Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported
Pipe Integrity Test, Aboveground: Not reported
Date Dispenser Containment Installed: Not reported
Dispenser Containment Type: None
Date Certified (Tank Unit): Not reported
Certified Date: Not reported
Last Annual Monitoring Cert: 1/2/2008
2nd Containment Test: 1/20/2006
Spill Containment Present: Yes
Drop Tube Present: Yes
Striker Plate Present: Yes
Alarm Present: No
Ball Float Present: No
Fill Tube Present: Yes
Other Tank Leak Detection Present: No

Tank ID: 1003
Tank Test: Not reported
Local Tank Id: 5751001003
Tank Manufacturer: Owens Corning
Compartmentalized Tank: No
Of Tank Compartments: Not reported
Date Tank Installed: 5/3/1994
Tank Capacity: 30000
Additional Desc: Not reported
Tank Use: 1
Petroleum Type: Diesel
Common Name: Not reported
Case Number: Not reported
Type Of Tank: Double wall
Primary Tank Material: Fiberglass/plastic
Secondary Tank Material: Not reported
Tank Interior Lining: Unknown
Date Interior Lining Install: Not reported
Close Date: Not reported
UST Close ID: Not reported
Type Of Spill Protection: spill containment, drop tube, striker plate
Date Alarm Overfill Protection Installed: Not reported
Date Ball Float Overfill Protection Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US DEP VETERANS AFFAIR MED CTR (Continued)

U003880052

Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	No
Othr Tnk Corrosive Prtctn:	Fiberglass Reinforced Plastic (FRP)
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Continuous Interstitial Monitoring
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	0
Tank Filled With Inert Material:	0
Piping System Type (Underground):	Suction
Piping System Type (Aboveground):	Suction
Piping Construction (Underground):	Double Wall
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Fiberglass
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	None
Date Certified (Tank Unit):	Not reported
Certified Date:	Not reported
Last Annual Monitoring Cert:	1/2/2008
2nd Containment Test:	1/20/2006
Spill Containment Present:	Yes
Drop Tube Present:	Yes
Striker Plate Present:	Yes
Alarm Present:	No
Ball Float Present:	No
Fill Tube Present:	Yes
Other Tank Leak Detection Present:	No

Tank ID:	Not reported
Tank Test:	Not reported
Local Tank Id:	Not reported
Tank Manufacturer:	Not reported
Compartmentalized Tank:	Not reported
# Of Tank Compartments:	Not reported
Date Tank Installed:	Not reported
Tank Capacity:	Not reported
Additional Desc:	Not reported
Tank Use:	Not reported
Petroleum Type:	Not reported
Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Not reported
Primary Tank Material:	Not reported
Secondary Tank Material:	Not reported
Tank Interior Lining:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US DEP VETERANS AFFAIR MED CTR (Continued)

U003880052

Date Interior Lining Install: Not reported
Close Date: Not reported
UST Close ID: Not reported
Type Of Spill Protection: Not reported
Date Alarm Overfill Protection Installed: Not reported
Date Ball Float Overfill Protection Installed: Not reported
Date Fill Tube Shut Overfill Protection Installed: Not reported
Overfill Protection Exempt: Not reported
Othr Tnk Corrosive Prtctn: Not reported
Date Corrosive Prtctn Install: Not reported
Tank Leak Detection (single walled): Not reported
Tank Leak Detection (double wall): Not reported
Estimated Date Last Used: Not reported
Estimated Qty Of Substance Remaining: Not reported
Tank Filled With Inert Material: Not reported
Piping System Type (Underground): Not reported
Piping System Type (Aboveground): Not reported
Piping Construction (Underground): Not reported
Piping Manufacturer (Underground): Not reported
Piping Construction (Aboveground): Not reported
Piping Manufacturer (Aboveground): Not reported
Piping Material & Corrosion Protection (Underground): Not reported
Piping Material & Corrosion Protection (Aboveground): Not reported
Piping Leak Detection (Undrgrnd - Single Wall): Not reported
Piping Leak Detection (2nd Contained): Not reported
Piping Leak Detection (Emrgncy Gnrtrs): Not reported
Pipe Integrity Test, Underground: Not reported
Piping Leak Detection (Aboveground - Single Wall): Not reported
Piping Leak Detection (Underground - 2nd Contained): Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported
Pipe Integrity Test, Aboveground: Not reported
Date Dispenser Containment Installed: Not reported
Dispenser Containment Type: Not reported
Date Certified (Tank Unit): Not reported
Certified Date: Not reported
Last Annual Monitoring Cert: Not reported
2nd Containment Test: Not reported
Spill Containment Present: Not reported
Drop Tube Present: Not reported
Striker Plate Present: Not reported
Alarm Present: Not reported
Ball Float Present: Not reported
Fill Tube Present: Not reported
Other Tank Leak Detection Present: Not reported

Tank ID: Not reported
Tank Test: Not reported
Local Tank Id: Not reported
Tank Manufacturer: Not reported
Compartmentalized Tank: Not reported
Of Tank Compartments: Not reported
Date Tank Installed: Not reported
Tank Capacity: Not reported
Additional Desc: Not reported
Tank Use: Not reported
Petroleum Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US DEP VETERANS AFFAIR MED CTR (Continued)

U003880052

Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Not reported
Primary Tank Material:	Not reported
Secondary Tank Material:	Not reported
Tank Interior Lining:	Not reported
Date Interior Lining Install:	Not reported
Close Date:	3/16/1994
UST Close ID:	1570
Type Of Spill Protection:	Not reported
Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	Not reported
Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	8/4/1994
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

[Click this hyperlink](#) while viewing on your computer to access 1 additional CA_UST_SF: record(s) in the EDR Site Report.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A6
Target
Property

VETERANS AFFAIRS MEDICAL CTR
4150 CLEMENT ST
SAN FRANCISCO, CA 94121

MANIFEST **S110914246**
N/A

Site 6 of 13 in cluster A

Actual:
355 ft.

MANIFEST:

Location Telephone Number:	4152214810	
Location Contact Name:	ADAN FIGUEROA	
Latitude Decimal Degrees (Assumed Nn.Nnnnnn):	Not reported	
Longitude In Decimal Degrees (Assumed Decimal):	Not reported	
Owner Or Alternate Company Name:	VETERANS AFFAIRS MEDICAL CTR	
Owner Or Alternate Street Address:	4150 CLEMENT ST	
Owner Or Alternate Post Office Box:	Not reported	
Owner Or Alternate City:	SAN FRANCISCO	
Owner Or Alternate State:	CA	
Owner Or Alternate Zip Code:	94121	
Owner Or Alternate Telephone Number:	4152214810	
Owner Or Alternate Contact Name:	Not reported	
Operator Or Alternate Company Name:	VETERANS AFFAIRS MEDICAL CTR	
Operator Or Alternate Street Address:	4150 CLEMENT ST	
Operator Or Alternate Post Office Box:	Not reported	
Operator Or Alternate City:	SAN FRANCISCO	
Operator Or Alternate State:	CA	
Operator Or Alternate Zip Code:	94121	
Operator Or Alternate Telephone Number:	4152214810	
Operator Or Alternate Contact Name:	Not reported	
Secondary Or Alternate Usepa Identification Number:	Not reported	
Standard Industrial Classification Code:	Not reported	
Primary NAIC System Code:	Not reported	
Secondary NAIC System Code:	Not reported	
Haz Waste Large Quantity Generator Ind (H/Historic, 0-9 Year Latest Report, E Last Report > 10 Yrs):	Not reported	Not reported
Haz Waste Small Quantity Generator(or Smaller) Ind (as above):	Not reported	
Nonhazardous Waste Generator Ind (as above):	H	
Compost Annual Reort Ind (as above):	Not reported	
Landfill Annual Report Ind (as above):	Not reported	
Potentially Infectious Medical Waste Annual Report Ind (as above):	Not reported	
Haz Waste Permit Ind (S Indicates Activity):	Not reported	
Solid Waste Permit Ind (S Indicates Activity):	Not reported	
Used Tire Program Activity Ind (S Indicates Activity):	Not reported	
Compliance Order Tracking Activity Ind (S Indicates Activity):	Not reported	
Facility Compliance Tracking System Activity Ind (S Indicates Activity):	Not reported	
Ind Of Groundwater Data In Mainframe Groundwater System (S Indicates Activity):	Not reported	
Lust Program Activity Ind (S Indicates Activity):	Not reported	
Lust Reimbursement Program Activity Ind (S Indicates Activity):	Not reported	
Site Remediation Program Activity Ind (S Indicates Activity):	Not reported	
FSRS Activity Ind (S Indicates Activity):	Not reported	
State Response Action Activity Ind (S Indicates Activity):	Not reported	
Name And Address Change Date - Month:	04	
Name And Address Change Date - Day:	28	
Name And Address Change Date - Year:	05	
Hazardous Annual Report Company Name:	Not reported	
Hazardous Annual Report Street Address:	Not reported	
Hazardous Annual Report Post Office Box:	Not reported	
Hazardous Annual Report City:	Not reported	
Hazardous Annual Report State:	Not reported	
Hazardous Annual Report Zip Code:	Not reported	
Hazardous Annual Report Telephone Number:	Not reported	
Hazardous Annual Report Contact First Name:	Not reported	

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VETERANS AFFAIRS MEDICAL CTR (Continued)

S110914246

Hazardous Annual Report Contact Last Name:	Not reported
Hazardous Annual Report Contact Person Title Code:	Not reported
Hazardous Annual Report New Notifier Code:	Not reported
FIPS Country Code:	001
FIPS State Code:	06
FIPS County Code:	075
FIPS City Or Township Code:	000
IEPA Region Identifier:	Not reported
Original Entry Date - Month:	03
Original Entry Date - Day:	25
Original Entry Date - Year:	91
Change Date - Month:	04
Change Date - Day:	28
Change Date - Year:	05
Primary USEPA Identification Number:	Not reported
Status:	Not reported
Code:	BP
Total Tanks:	Not reported

A7

**Target
 Property**

**4150 CLEMENT STREET BETWEEN BUILDINGS 2 & 200 ON WEST SIDE
 SAN FRANCISCO, CA**

**CHMIRS S109039157
 N/A**

Site 7 of 13 in cluster A

**Actual:
 355 ft.**

CHMIRS:

OES Incident Number:	07-5750
OES notification:	9/20/2007 12:46:18 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S109039157

Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: Not reported
 Waterway: Not reported
 Spill Site: Not reported
 Cleanup By: Contractor
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 2007
 Agency: NRC
 Incident Date: 9/19/2007 12:00:00 AM
 Admin Agency: San Francisco County Health Department
 Amount: Not reported
 Contained: Unknown
 Site Type: Other
 E Date: Not reported
 Substance: Oil
 Quantity Released: Not reported
 BBLS: 0
 Cups: 0
 CUFT: 0
 Gallons: UNK
 Grams: 0
 Pounds: 0
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0
 Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: As per the NRC report "CALLER IS REPORTING THAT DURING DRILLING OPERATIONS SLUDGE THAT CONTAINS PCB'S WAS FOUND ABOUT 12-15 FEET DOWN IN THE GROUND. THE SLUDGE IS FROM AN UNKNOWN SOURCE. GEOTECH WILL CONDUCT SAMPLING TO FIND OUT HOW MUCH AND OF WHATT SUBSTANCE THEN AN ACTION PLAN WILL BE FORMED."

A8
Target
Property

VETERANS ADMINISTRATION HOSPITAL
4150 CLEMENT ST
SAN FRANCISCO, CA 94121

FTTS 1010011447
N/A

Site 8 of 13 in cluster A

Actual:
355 ft.

FTTS:
 Case Number: Not reported
 Docket Number: 09-86098-02-WR
 Complaint Issue Date: 04/21/86
 Abatement Amount: 0.0000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMINISTRATION HOSPITAL (Continued)

1010011447

Proposed Penalty: 0.0000
Final Assessment: 0.0000
Final Order Date: 07/14/88
Close Date: / /
Violations(s): PCB, Failure to Maintain Records
PCB, Dispose
PCB, Use
PCB, Storage
PCB, Label or Marking

FTTS INSP:

Inspection Number: 1986031301736 1
Region: 09
Inspection Date: 03/13/86
Inspector: HORGAN
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

**A9
Target
Property**

**VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
4150 CLEMENT ST.
SAN FRANCISCO, CA 94121**

**RCRA-LQG 1000297300
CA FID UST CA8360010328
HIST UST
SWEEPS UST
HAZNET**

Site 9 of 13 in cluster A

**Actual:
355 ft.**

RCRA-LQG:
Date form received by agency: 06/07/2010
Facility name: VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
Facility address: 4150 CLEMENT ST.
MS 001ES
SAN FRANCISCO, CA 94121
EPA ID: CA8360010328
Mailing address: SAME
SAN FRANCISCO, CA 94121
Contact: JONATHAN LEONG
Contact address: CLEMENT ST. MS 00 1ES
SAN FRANCISCO, CA 94121
Contact country: Not reported
Contact telephone: (415) 221-4810
Telephone ext.: 6428
Contact email: JONATHAN.LEONG@VA.GOV
EPA Region: 09
Land type: Federal
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: VAMC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1933
Owner/Op end date: Not reported

Owner/operator name: US DEPT. OF VETERAN AFFAIRS
Owner/operator address: 4150 CLEMENT STREET
SAN FRANCISCO, CA 94121
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1933
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US GOVERMENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US DEPT. OF VETERANS AFFAIRS
Owner/operator address: CLEMENT ST. MS 00 1ES
SAN FRANCISCO, CA 94121
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 11/11/1934
Owner/Op end date: Not reported

Owner/operator name: US DEPT. OF VETERANS AFFAIRS
Owner/operator address: Not reported
Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 11/11/1934
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Yes
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: 02/01/2008
Facility name: VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
Site name: VAMC, SAN FRANCISCO (138ES)
Classification: Large Quantity Generator

Date form received by agency: 12/19/2005
Facility name: VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
Site name: VAMC, SAN FRANCISCO (138ES)
Classification: Small Quantity Generator

Date form received by agency: 12/19/2005
Facility name: VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
Site name: VAMC, SAN FRANCISCO (138ES)
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
Site name: USVA MEDICAL CENTER SAN FRANCISCO
Classification: Small Quantity Generator

Date form received by agency: 12/19/1986
Facility name: VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO
Site name: USVA MEDICAL CENTER SAN FRANCISCO
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 134
Waste name: 134

Waste code: 151
Waste name: 151

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Waste code: 181
Waste name: 181

Waste code: 212
Waste name: 212

Waste code: 213
Waste name: 213

Waste code: 214
Waste name: 214

Waste code: 221
Waste name: 221

Waste code: 331
Waste name: 331

Waste code: 352
Waste name: 352

Waste code: 461
Waste name: 461

Waste code: 513
Waste name: 513

Waste code: 551
Waste name: 551

Waste code: 611
Waste name: 611

Waste code: 725
Waste name: 725

Waste code: 741
Waste name: 741

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D007
Waste name: CHROMIUM

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D011
Waste name: SILVER

Waste code: D022
Waste name: CHLOROFORM

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Waste code:	P030
Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Waste code:	P077
Waste name:	BENZENAMINE, 4-NITRO-
Waste code:	P087
Waste name:	OSMIUM OXIDE OSO4, (T-4)-
Waste code:	P105
Waste name:	SODIUM AZIDE
Waste code:	U007
Waste name:	ACRYLAMIDE
Waste code:	U044
Waste name:	CHLOROFORM
Waste code:	U085
Waste name:	2,2'-BIOXIRANE
Waste code:	U103
Waste name:	DIMETHYL SULFATE
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Waste code:	U136
Waste name:	ARSINIC ACID, DIMETHYL-
Waste code:	U162
Waste name:	METHYL METHACRYLATE (I,T)
Waste code:	U163
Waste name:	GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-
Waste code:	U188
Waste name:	PHENOL
Waste code:	461
Waste name:	461
Waste code:	551
Waste name:	551
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D004
Waste name:	ARSENIC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 11610

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 2020

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 1868

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 1868

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 1868

Waste code: D010
Waste name: SELENIUM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Amount (Lbs): 1868

Waste code: D011
Waste name: SILVER
Amount (Lbs): 8108

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 8108

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 1868

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 8108

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 8108

Waste code: F022
Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.
Amount (Lbs): 6240

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 152

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Waste code:	P012
Waste name:	ARSENIC OXIDE AS2O3
Amount (Lbs):	152
Waste code:	P042
Waste name:	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
Amount (Lbs):	152
Waste code:	P046
Waste name:	BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-
Amount (Lbs):	152
Waste code:	P075
Waste name:	NICOTINE, & SALTS
Amount (Lbs):	152
Waste code:	P077
Waste name:	BENZENAMINE, 4-NITRO-
Amount (Lbs):	1868
Waste code:	P087
Waste name:	OSMIUM OXIDE OSO4, (T-4)-
Amount (Lbs):	1868
Waste code:	P105
Waste name:	SODIUM AZIDE
Amount (Lbs):	2020
Waste code:	U007
Waste name:	ACRYLAMIDE
Amount (Lbs):	1868
Waste code:	U010
Waste name:	AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[AMINOCARBONYLOXY]METHYL]- 1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs):	152
Waste code:	U026
Waste name:	CHLORNAPHAZIN
Amount (Lbs):	152
Waste code:	U035
Waste name:	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
Amount (Lbs):	152
Waste code:	U044
Waste name:	CHLOROFORM
Amount (Lbs):	1868
Waste code:	U058
Waste name:	CYCLOPHOSPHAMIDE
Amount (Lbs):	152
Waste code:	U085
Waste name:	2,2'-BIOXIRANE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Amount (Lbs):	1868
Waste code:	U103
Waste name:	DIMETHYL SULFATE
Amount (Lbs):	1868
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Amount (Lbs):	1868
Waste code:	U136
Waste name:	ARSINIC ACID, DIMETHYL-
Amount (Lbs):	1868
Waste code:	U162
Waste name:	METHYL METHACRYLATE (I,T)
Amount (Lbs):	1868
Waste code:	U163
Waste name:	GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-
Amount (Lbs):	1868
Waste code:	U188
Waste name:	PHENOL
Amount (Lbs):	1868

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - Pre-transport
Date violation determined:	10/25/2007
Date achieved compliance:	02/08/2008
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	01/09/2008
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - Pre-transport
Date violation determined:	10/25/2007
Date achieved compliance:	02/08/2008
Violation lead agency:	EPA
Enforcement action:	Not reported
Enforcement action date:	12/10/2007
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Evaluation Action Summary:

Evaluation date: 10/25/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/08/2008
Evaluation lead agency: EPA

CA FID UST:

Facility ID: 38000453
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4150000000
Mail To: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN FRANCISCO 94121
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 UST:

Region: STATE
Facility ID: 00000068332
Facility Type: Other
Other Type: MEDICAL CENTER
Total Tanks: 0006
Contact Name: DAVID L. MACHEEL, CHEIF ENGINE
Telephone: 4157502009
Owner Name: V.A. MEDICAL CENTER
Owner Address: 4150 CLEMENT STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94121

Tank Num: 001
Container Num: 3-1
Year Installed: 1965
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: 4
Tank Construction: Unkown centimeters
Leak Detection: Visual

Tank Num: 002
Container Num: 12-1
Year Installed: 1975
Tank Capacity: 00002500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Container Num: 203-1
Year Installed: 1975
Tank Capacity: 00002500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 205-1
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 205-2
Year Installed: Not reported
Tank Capacity: 00030000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 205-3
Year Installed: Not reported
Tank Capacity: 00030000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual

SWEEPS UST:

Status: A
Comp Number: 5751
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 12-10-91
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 38-000-005751-000001
Actv Date: 09-30-92
Capacity: 5000
Tank Use: UNKNOWN
Stg: P
Content: UNSPECIFIED
Number Of Tanks: 6

Status: A
Comp Number: 5751
Number: 9
Board Of Equalization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Ref Date: 09-30-92
Act Date: 12-10-91
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 38-000-005751-000002
Actv Date: 09-30-92
Capacity: 2500
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 5751
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 12-10-91
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 38-000-005751-000003
Actv Date: 09-30-92
Capacity: 2500
Tank Use: UNKNOWN
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 5751
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 12-10-91
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 38-000-005751-000004
Actv Date: 09-30-92
Capacity: 3000
Tank Use: UNKNOWN
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 5751
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 12-10-91
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 38-000-005751-000005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Actv Date: 09-30-92
Capacity: 30000
Tank Use: UNKNOWN
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 5751
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 12-10-91
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 38-000-005751-000006
Actv Date: 09-30-92
Capacity: 30000
Tank Use: UNKNOWN
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

HAZNET:

Year: 2009
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: SAN FRANCISCO, CA 941210000
Gen County: San Francisco
TSD EPA ID: CAT080014079
TSD County: Contra Costa
Waste Category: Off-specification, aged or surplus organics
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 0.0165
Facility County: San Francisco

Year: 2009
Gepaid: CAC002648777
Contact: RONALD TINKEY
Telephone: 5107249088
Mailing Name: Not reported
Mailing Address: 724 ALFRED NOBEL DR
Mailing City,St,Zip: HERCULES, CA 945471805
Gen County: San Francisco
TSD EPA ID: NVD982358483
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons: 0.417
Facility County: San Francisco

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS AFFAIRS MEDICAL CENTER SAN FRANCISCO (Continued)

1000297300

Year: 2009
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: SAN FRANCISCO, CA 941210000
Gen County: San Francisco
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Laboratory waste chemicals
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 0.46095
Facility County: San Francisco

Year: 2009
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: SAN FRANCISCO, CA 941210000
Gen County: San Francisco
TSD EPA ID: CAD981382732
TSD County: Alameda
Waste Category: Asbestos containing waste
Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons: 39.2
Facility County: San Francisco

Year: 2009
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: SAN FRANCISCO, CA 941210000
Gen County: San Francisco
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other organic solids
Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons: 0.25
Facility County: San Francisco

[Click this hyperlink](#) while viewing on your computer to access 87 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A10 **VETERANS ADMIN. MED. CENTER**
Target **4150 CLEMENT STREET**
Property **SAN FRANCISCO, CA 94121**

LUST **S104564879**
HAZNET **N/A**
EMI
ENVIROSTOR

Site 10 of 13 in cluster A

Actual:
355 ft.

LUST:
Region: STATE
Global Id: T0607500369
Latitude: 37.7813
Longitude: -122.50097
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1994-04-28 00:00:00
Lead Agency: SAN FRANCISCO COUNTY LOP
Case Worker: SC
Local Agency: SAN FRANCISCO COUNTY LOP
RB Case Number: 38-0417
LOC Case Number: 10309
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
Global Id: T0607500369
Contact Type: Local Agency Caseworker
Contact Name: STEPHANIE CUSHING
Organization Name: SAN FRANCISCO COUNTY LOP
Address: 1390 MARKET STREET #210
City: SAN FRANCISCO
Email: stephanie.cushing@sfdph.org
Phone Number: Not reported

Global Id: T0607500369
Contact Type: Regional Board Caseworker
Contact Name: VIC PAL
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: vpal@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607500369
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

Global Id: T0607500369
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Discovery

LUST REG 2:
Region: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Facility Id: 38-0417
Facility Status: Case Closed
Case Number: 10309
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: Not reported
Preliminary Site Assessment 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

SAN FRANCISCO CO. LUST:

Region: SAN FRANCISCO
Facility ID: 38-0417
Facility Status: Case Closed
Case Number: 10309
Case Type: Soil only
Release Date: 4/28/1994
Discovered Date: 2/24/1994
Substance: Diesel
Substance Qty: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Report Date: 4/28/1994
Case Closed: 1/26/1994
Closed Date: 1/26/1994
Leak Source: Tank
Leak Cause: Structure Failure
Leak Confirmed: Not reported
Entered Date: 10/20/1994
Number of Wells: Not reported
Regional Board: San Francisco Bay Region
Local Agency: 38000
Lead Agency: Local Agency
Program: LOP
Responsible Party: Not reported
RP Address: Not reported
Operator: Not reported
Staff Initial: VP
Facility Staff: SC
Cross Street: 43RD AVE
NOR Date: 10/20/1994
MTBE Current: Not reported
MTBE Current Date: Not reported
MTBE: NT
Maximum MTBE Soil: Not reported
Maximum MTBE GW: Not reported
MTBE DATE: Not reported
Review Date: Not reported
Workplan Submitted: Not reported
Assessment Underway: Not reported
Pollution Characterization: Not reported
Corrective Action Plan: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Remediation Underway: Not reported
Monitoring Begun: Not reported
Funding: Federal
Interim Remediation: No
Priority: Not reported
Abatement: No Action Taken - no action has as yet been taken at the site
Enforcement Type: NOR
Enforcement Due Date: Not reported
Basin: Lobos Basin
Beneficial Use: Yes
Lat/Long: Not reported
CUFID: Not reported
Suspended: No
Stopped Date: 10/6/1986
Free Product: No
Depth to Grnd Wtr: Not reported
Gradient: Not reported
Benzene: Not reported
Primary Substance: Diesel fuel oil
Enforcement Type: Not reported
Amount of Free Produce: Not reported
Benzene Test: Not reported
Maximum Soil GW: Not reported
Max Soil Concentration: Not reported
TPH Tested: Not reported
Max TPH GW: Not reported
Max TPH Soil: Not reported
TPH Date: Not reported
Block: Not reported
Lot: Not reported
Notify: False
TPH Current: Not reported
TPH Current Date: Not reported
Grnd Wtr Qualifier: Not reported
Soil Qualifier: Not reported
Comments: Not reported
Summary: Not reported

HAZNET:

Year: 2002
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: S F, CA 941210000
Gen County: San Francisco
TSD EPA ID: Not reported
TSD County: Alameda
Waste Category: Asbestos containing waste
Disposal Method: D80
Tons: 11.78
Facility County: Not reported

Year: 2002
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: S F, CA 941210000
Gen County: San Francisco
TSD EPA ID: Not reported
TSD County: Solano
Waste Category: Asbestos containing waste
Disposal Method: D80
Tons: 4.21
Facility County: Not reported

Year: 2002
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: S F, CA 941210000
Gen County: San Francisco
TSD EPA ID: Not reported
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: H01
Tons: 0.15
Facility County: Not reported

Year: 2002
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: S F, CA 941210000
Gen County: San Francisco
TSD EPA ID: Not reported
TSD County: San Joaquin
Waste Category: Asbestos containing waste
Disposal Method: D80
Tons: 30.33
Facility County: Not reported

Year: 2002
Gepaid: CA8360010328
Contact: HUSSAM ALKHADRA SAFETY OFFICER
Telephone: 4152214810
Mailing Name: Not reported
Mailing Address: 4150 CLEMENT ST
Mailing City,St,Zip: S F, CA 941210000
Gen County: San Francisco
TSD EPA ID: Not reported
TSD County: Kings
Waste Category: Other empty containers 30 gallons or more
Disposal Method: D80
Tons: 0.18
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

[Click this hyperlink](#) while viewing on your computer to access 87 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1987
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
County Code: 38

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
NOX - Oxides of Nitrogen Tons/Yr: 7
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

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: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 2
NOX - Oxides of Nitrogen Tons/Yr: 7
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: 0.119
Reactive Organic Gases Tons/Yr: 0.0618138
Carbon Monoxide Emissions Tons/Yr: 0.54
NOX - Oxides of Nitrogen Tons/Yr: 2.018
SOX - Oxides of Sulphur Tons/Yr: 0.02
Particulate Matter Tons/Yr: 0.099
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.070956

Year: 2005
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: .268
Reactive Organic Gases Tons/Yr: .1284521
Carbon Monoxide Emissions Tons/Yr: 1.41
NOX - Oxides of Nitrogen Tons/Yr: 5.515
SOX - Oxides of Sulphur Tons/Yr: .039
Particulate Matter Tons/Yr: .18
Part. Matter 10 Micrometers & Smlr Tons/Yr: .151764

Year: 2006
County Code: 38
Air Basin: SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: .149
Reactive Organic Gases Tons/Yr: .0717834
Carbon Monoxide Emissions Tons/Yr: .567
NOX - Oxides of Nitrogen Tons/Yr: 1.801
SOX - Oxides of Sulphur Tons/Yr: .027
Particulate Matter Tons/Yr: .176
Part. Matter 10 Micrometers & Smlr Tons/Yr: .094348

Year: 2007
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: .518
Reactive Organic Gases Tons/Yr: .2319781
Carbon Monoxide Emissions Tons/Yr: 2.772
NOX - Oxides of Nitrogen Tons/Yr: 10.654
SOX - Oxides of Sulphur Tons/Yr: .05
Particulate Matter Tons/Yr: .374
Part. Matter 10 Micrometers & Smlr Tons/Yr: .292108

Year: 2007
County Code: 38
Air Basin: SF
Facility ID: 459
Air District Name: BA
SIC Code: 8062
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: .635
Reactive Organic Gases Tons/Yr: .2632954
Carbon Monoxide Emissions Tons/Yr: 2.744
NOX - Oxides of Nitrogen Tons/Yr: 10.474
SOX - Oxides of Sulphur Tons/Yr: .064
Particulate Matter Tons/Yr: .347
Part. Matter 10 Micrometers & Smlr Tons/Yr: .2659

ENVIROSTOR:

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VETERANS ADMIN. MED. CENTER (Continued)

S104564879

Division Branch: Cleanup Cypress
Facility ID: 71002107
Site Code: Not reported
Assembly: 12
Senate: 08
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 37.781091400000001
Longitude: -122.505247
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000319475
Alias Type: EPA Identification Number
Alias Name: 71002107
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

A11 Target Property
V. A. MEDICAL CTR.
4150 CLEMENT STREET
SAN FRANCISCO, CA 94121

MLTS 1006334597
N/A

Site 11 of 13 in cluster A

Actual:
355 ft.

MLTS:
License Number: 04-00421-05
First License Date: 08/29/1990
License Date: 10/18/2002
Lic. Expiration Date: 01/31/2012
Contact Name: ED LEIDHOLDT
Contact Phone: 707-562-8374
Institution Code: 421
Primary Program: Not reported
Department: Not reported
Building: Not reported
States Allowing Use: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

V. A. MEDICAL CTR. (Continued)

1006334597

License Use: Not reported
 Store Material Use: No
 Redistribution Use: No
 Incinerate Use: No
 Burial Use: No
 Last Inspection Date: 12/2002
 Next Inspection Date: 12/2004
 Inspector Name: RE
 Status: Not reported

A12 **USTPO - FY07 US DEPT. OF VETERAN AFFAIRS**
Target **4150 CLEMENT ST**
Property **SAN FRANCISCO, CA 94107**

FINDS **1010492742**
N/A

Site 12 of 13 in cluster A

Actual:
355 ft.

FINDS:

Registry ID: 110032614231

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

A13 **VA HOSPITAL**
Target **4150 CLEMENT ST**
Property **SAN FRANCISCO, CA 94121**

FTTS **1007298364**
HIST FTTS **N/A**

Site 13 of 13 in cluster A

Actual:
355 ft.

FTTS INSP:

Inspection Number: 1990022600991 1
 Region: 09
 Inspection Date: 02/26/90
 Inspector: ELLISON
 Violation occurred: No
 Investigation Type: Section 6 PCB Federal Conducted
 Investigation Reason: Neutral Scheme, Region
 Legislation Code: TSCA
 Facility Function: User

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA HOSPITAL (Continued)

1007298364

HIST FTTS INSP:

Inspection Number: 1990022600991 1
Region: 09
Inspection Date: Not reported
Inspector: ELLISON
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

14
< 1/8
1 ft.

NPS OCEAN DIST MAINT
42ND ST AND CLEMENT ST
SAN FRANCISCO, CA 94123

RCRA-SQG 1001075561
FINDS CAR000006494
HAZNET

Relative:
Lower

Actual:
324 ft.

RCRA-SQG:

Date form received by agency: 10/18/1995
Facility name: NPS OCEAN DIST MAINT
Facility address: 42ND ST AND CLEMENT ST
BLDG 304
SAN FRANCISCO, CA 94123
EPA ID: CAR000006494
Mailing address: BLDG SECOND HUNDRED FIRST FT M
SAN FRANCISCO, CA 94123
Contact: MARIA KELLY
Contact address: MAIN POST BLDG 102 PRESIDIO
SAN FRANCISCO, CA 941290022
Contact country: US
Contact telephone: (415) 561-4197
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DEPT OF INTERIOR
Owner/operator address: BLDG 201 FT MASON
SAN FRANCISCO, CA 94123
Owner/operator country: Not reported
Owner/operator telephone: (415) 556-2920
Legal status: Federal
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NPS OCEAN DIST MAINT (Continued)

1001075561

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
Used 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: 110006482449

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.

HAZNET:

Year: 2008
Gepaid: CAR000006494
Contact: B ULLENSVANG, REMEDIATION MGR
Telephone: 4155614439
Mailing Name: MIKE MEDIROS/ALEX MACIEJEWICZ
Mailing Address: 201 FORT MASON
Mailing City,St,Zip: SAN FRANCISCO, CA 941231304
Gen County: San Francisco
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Off-specification, aged or surplus organics
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 0.1
Facility County: San Francisco

Year: 2008
Gepaid: CAR000006494
Contact: B ULLENSVANG, REMEDIATION MGR
Telephone: 4155614439
Mailing Name: MIKE MEDIROS/ALEX MACIEJEWICZ
Mailing Address: 201 FORT MASON
Mailing City,St,Zip: SAN FRANCISCO, CA 941231304
Gen County: San Francisco
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NPS OCEAN DIST MAINT (Continued)

1001075561

Tons: 0.114
Facility County: San Francisco

Year: 2008
Gepaid: CAR000006494
Contact: B ULLENSVANG, REMEDIATION MGR
Telephone: 4155614439
Mailing Name: MIKE MEDIROS/ALEX MACIEJEWICZ
Mailing Address: 201 FORT MASON
Mailing City,St,Zip: SAN FRANCISCO, CA 941231304
Gen County: San Francisco
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)

Tons: 0.45
Facility County: San Francisco

Year: 2008
Gepaid: CAR000006494
Contact: B ULLENSVANG, REMEDIATION MGR
Telephone: 4155614439
Mailing Name: MIKE MEDIROS/ALEX MACIEJEWICZ
Mailing Address: 201 FORT MASON
Mailing City,St,Zip: SAN FRANCISCO, CA 941231304
Gen County: San Francisco
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other inorganic solid waste
Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)

Tons: 27.8124
Facility County: San Francisco

Year: 2008
Gepaid: CAR000006494
Contact: B ULLENSVANG, REMEDIATION MGR
Telephone: 4155614439
Mailing Name: MIKE MEDIROS/ALEX MACIEJEWICZ
Mailing Address: 201 FORT MASON
Mailing City,St,Zip: SAN FRANCISCO, CA 941231304
Gen County: San Francisco
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Other organic solids
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)

Tons: 0.1
Facility County: San Francisco

[Click this hyperlink](#) while viewing on your computer to access 61 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B15
 South
 < 1/8
 0.079 mi.
 419 ft.

STEPHENS GEO
 224 POINT LOBOS AV
 SAN FRANCISCO, CA

Site 1 of 2 in cluster B

EDR Historical Auto Stations 1009068476
 N/A

Relative:
 Lower
 Actual:
 261 ft.

EDR Historical Auto Stations:

Name: STEPHENS GEO
 Year: 1930
 Type: GASOLINE AND OIL SERVICE STATIONS

C16
 South
 < 1/8
 0.086 mi.
 455 ft.

RESIDENCE
 464 43RD AV
 SAN FRANCISCO, CA

Site 1 of 3 in cluster C

UST U003905700
 N/A

Relative:
 Lower
 Actual:
 278 ft.

SAN FRANCISCO CO. UST:

Facility ID: 26273
 Facility Status: Not reported
 Number Of Tanks: 1
 Owner/Operator Name: Not reported
 Owner/Operator Title: Not reported
 Owner Name: Not reported
 Care Of Addr: Not reported
 2nd Care Of Add: Not reported
 Mailing Address: 1550 Wallace St
 Mailing City,St,Zip: Not reported
 Permit Number: Not reported
 Permit Approved By: Not reported
 Permit Expiration Date: Not reported
 Applications: L&W Environmental
 Application Date: 8/31/2001
 Application Name: George Wilson
 Action Type: Not reported
 Yr Spill/Overfill Installed1: Not reported
 Yr Spill/Overfill Installed2: Not reported
 Yr Spill/Overfill Installed3: Not reported

Tank ID: Not reported
 Tank Test: Not reported
 Local Tank Id: Not reported
 Tank Manufacturer: Not reported
 Compartmentalized Tank: Not reported
 # Of Tank Compartments: Not reported
 Date Tank Installed: Not reported
 Tank Capacity: Not reported
 Additional Desc: Not reported
 Tank Use: Not reported
 Petroleum Type: Not reported
 Common Name: Not reported
 Case Number: Not reported
 Type Of Tank: Not reported
 Primary Tank Material: Not reported
 Secondary Tank Material: Not reported
 Tank Interior Lining: Not reported
 Date Interior Lining Install: Not reported
 Close Date: 9/13/2001
 UST Close ID: 4185
 Type Of Spill Protection: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

U003905700

Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	Not reported
Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	10/16/2001
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

D17
South
< 1/8
0.096 mi.
506 ft.

STROUD J H
475 42ND AVE
SAN FRANCISCO, CA
Site 1 of 2 in cluster D

EDR Historical Auto Stations 1008999069
N/A

Relative:
Lower

Actual:
288 ft.

EDR Historical Auto Stations:
 Name: STROUD J H
 Year: 1940
 Type: GASOLINE AND OIL SERVICE STATIONS

 Name: STROUD J H
 Year: 1940
 Type: GASOLINE AND OIL SERVICE STATION

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

18
 East
 < 1/8
 0.098 mi.
 516 ft.

RESIDENCE
400 40TH AV
SAN FRANCISCO, CA

UST U004115031
N/A

Relative:
Lower

SAN FRANCISCO CO. UST:

Actual:
326 ft.

Facility ID:	30782	
Facility Status:	Not reported	
Number Of Tanks:	1	
Owner/Operator Name:	Not reported	
Owner/Operator Title:	Not reported	
Owner Name:	Not reported	
Care Of Addr:	Not reported	
2nd Care Of Addr:	Not reported	
Mailing Address:	3700 Mission St	
Mailing City, St, Zip:	Not reported	
Permit Number:	Not reported	
Permit Approved By:	Not reported	
Permit Expiration Date:	Not reported	
Applications:	Golden Gate Tank	
Application Date:	2/8/2008	
Application Name:	Tim Hallen	
Action Type:	Not reported	
Yr Spill/Overfill Installed1:	Not reported	
Yr Spill/Overfill Installed2:	Not reported	
Yr Spill/Overfill Installed3:	Not reported	
Tank ID:	Not reported	
Tank Test:	Not reported	
Local Tank Id:	Not reported	
Tank Manufacturer:	Not reported	
Compartmentalized Tank:	Not reported	
# Of Tank Compartments:	Not reported	
Date Tank Installed:	Not reported	
Tank Capacity:	Not reported	
Additional Desc:	Not reported	
Tank Use:	Not reported	
Petroleum Type:	Not reported	
Common Name:	Not reported	
Case Number:	Not reported	
Type Of Tank:	Not reported	
Primary Tank Material:	Not reported	
Secondary Tank Material:	Not reported	
Tank Interior Lining:	Not reported	
Date Interior Lining Install:	Not reported	
Close Date:	2/15/2008	
UST Close ID:	4993	
Type Of Spill Protection:	Not reported	
Date Alarm Overfill Protection Installed:	Not reported	Not reported
Date Ball Float Overfill Protection Installed:	Not reported	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported	Not reported
Overfill Protection Exempt:	Not reported	Not reported
Othr Tnk Corrosive Prtctn:	Not reported	Not reported
Date Corrosive Prtctn Install:	Not reported	Not reported
Tank Leak Detection (single walled):	Not reported	Not reported
Tank Leak Detection (double wall):	Not reported	Not reported
Estimated Date Last Used:	Not reported	Not reported
Estimated Qty Of Substance Remaining:	Not reported	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

U004115031

Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	7/28/2008
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

C19
 South
 < 1/8
 0.100 mi.
 529 ft.

HIGHLANDER CENTER SELF-SERVICE LAUNDRY
25 POINT LOBOS AVE
SAN FRANCISCO, CA

EDR Historical Cleaners **1009132317**
 N/A

Site 2 of 3 in cluster C

Relative:
Lower

EDR Historical Cleaners:
 Name: HIGHLANDER CENTER SELF SERVICE LAUNDRY
 Year: 1977

Actual:
283 ft.

Type: LAUNDRIES SELF SERVE

Name: HIGHLANDER CENTER SELF-SERVICE LAUNDRY
 Year: 1977
 Type: LAUNDRIES-SELF SERVE

C20
 South
 < 1/8
 0.100 mi.
 529 ft.

WALGREENS 3475
25 POINT LOBOS AVE
SAN FRANCISCO, CA 94121

RCRA-SQG **1001122728**
FINDS **CAR000015610**
HAZNET

Site 3 of 3 in cluster C

Relative:
Lower

RCRA-SQG:
 Date form received by agency: 02/07/2002
 Facility name: WALGREENS 3475
 Facility address: 25 POINT LOBOS AVE

Actual:
283 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALGREENS 3475 (Continued)

1001122728

SAN FRANCISCO, CA 94121
EPA ID: CAR000015610
Mailing address: C/O QUALEX INC
4020 STIRRUP CREEK DR STE 211
DURHAM, NC 27703
Contact: KENNETH J MCKEVENY
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (919) 484-3647
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WALGREENS
Owner/operator address: 25 POINT LOBOS
SAN FRANCISCO, CA 94121
Owner/operator country: Not reported
Owner/operator telephone: (415) 386-0706
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
Used 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: 02/07/2002
Facility name: WALGREENS 3475
Classification: Large Quantity Generator

Date form received by agency: 10/15/1996
Facility name: WALGREENS 3475
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALGREENS 3475 (Continued)

1001122728

Violation Status: No violations found

FINDS:

Registry ID: 110002914393

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2006
Gepaid: CAR000015610
Contact: C CHIAPPETTA ENVTL SPECIALIST
Telephone: 8479143195
Mailing Name: Not reported
Mailing Address: 200 WILMOT ROAD MS #2171
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: San Francisco
TSD EPA ID: CAD981402522
TSD County: Kern
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: R01
Tons: 0.07
Facility County: San Francisco

Year: 2005
Gepaid: CAR000015610
Contact: C CHIAPPETTA ENVTL SPECIALIST
Telephone: 8479143195
Mailing Name: Not reported
Mailing Address: 200 WILMOT ROAD MS #2171
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: San Francisco
TSD EPA ID: CAD981402522
TSD County: Kern
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0
Facility County: Not reported

Year: 2004
Gepaid: CAR000015610
Contact: C CHIAPPETTA ENVTL SPECIALIST
Telephone: 8479143195
Mailing Name: Not reported
Mailing Address: 200 WILMOT ROAD MS #2171

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALGREENS 3475 (Continued)

1001122728

Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: San Francisco
TSD EPA ID: CAD981402522
TSD County: Kern
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0
Facility County: Not reported

Year: 2003
Gepaid: CAR000015610
Contact: C CHIAPPETTA ENVTL SPECIALIST
Telephone: 8479143195
Mailing Name: Not reported
Mailing Address: 200 WILMOT ROAD MS #2171
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: San Francisco
TSD EPA ID: CAD981402522
TSD County: San Francisco
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: R01
Tons: 7.06
Facility County: San Francisco

Year: 2003
Gepaid: CAR000015610
Contact: C CHIAPPETTA ENVTL SPECIALIST
Telephone: 8479143195
Mailing Name: Not reported
Mailing Address: 200 WILMOT ROAD MS #2171
Mailing City,St,Zip: DEERFIELD, IL 600150000
Gen County: San Francisco
TSD EPA ID: CAD981402522
TSD County: San Francisco
Waste Category: Not reported
Disposal Method: R01
Tons: 0.01
Facility County: San Francisco

[Click this hyperlink](#) while viewing on your computer to access
16 additional CA_HAZNET: record(s) in the EDR Site Report.

D21
South
< 1/8
0.102 mi.
540 ft.

HIGHLANDER CENTER SELF SERVICE LAUNDRY
1 POINT LOBOS AVE
SAN FRANCISCO, CA

EDR Historical Cleaners 1009133928
N/A

Site 2 of 2 in cluster D

**Relative:
Lower**

EDR Historical Cleaners:
Name: HIGHLANDER CENTER SELF SERVICE LAUNDRY
Year: 1982
Type: LAUNDRIES-SELF SERVE

**Actual:
287 ft.**

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B22
South
1/8-1/4
0.127 mi.
670 ft.

RESIDENCE
8027 GEARY BL
SAN FRANCISCO, CA

Site 2 of 2 in cluster B

UST **U004060608**
 N/A

Relative:
Lower

SAN FRANCISCO CO. UST:

Facility ID: 30110
 Facility Status: Not reported
 Number Of Tanks: 1
 Owner/Operator Name: Not reported
 Owner/Operator Title: Not reported
 Owner Name: Not reported
 Care Of Addr: Not reported
 2nd Care Of Addr: Not reported
 Mailing Address: 255 Shipley Street
 Mailing City, St, Zip: Not reported
 Permit Number: Not reported
 Permit Approved By: Not reported
 Permit Expiration Date: Not reported
 Applications: Golden Gate Tank
 Application Date: 9/8/2006
 Application Name: Tim Hallen
 Action Type: Not reported
 Yr Spill/Overfill Installed1: Not reported
 Yr Spill/Overfill Installed2: Not reported
 Yr Spill/Overfill Installed3: Not reported

Actual:
267 ft.

Tank ID: Not reported
 Tank Test: Not reported
 Local Tank Id: Not reported
 Tank Manufacturer: Not reported
 Compartmentalized Tank: Not reported
 # Of Tank Compartments: Not reported
 Date Tank Installed: Not reported
 Tank Capacity: Not reported
 Additional Desc: Not reported
 Tank Use: Not reported
 Petroleum Type: Not reported
 Common Name: Not reported
 Case Number: Not reported
 Type Of Tank: Not reported
 Primary Tank Material: Not reported
 Secondary Tank Material: Not reported
 Tank Interior Lining: Not reported
 Date Interior Lining Install: Not reported
 Close Date: 9/18/2006
 UST Close ID: 4869
 Type Of Spill Protection: Not reported
 Date Alarm Overfill Protection Installed: Not reported
 Date Ball Float Overfill Protection Installed: Not reported
 Date Fill Tube Shut Overfill Protection Installed: Not reported
 Overfill Protection Exempt: Not reported
 Othr Tnk Corrosive Prtctn: Not reported
 Date Corrosive Prtctn Install: Not reported
 Tank Leak Detection (single walled): Not reported
 Tank Leak Detection (double wall): Not reported
 Estimated Date Last Used: Not reported
 Estimated Qty Of Substance Remaining: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

U004060608

Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gntrts):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gntrts):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	2/2/2007
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

E23
SSE
 1/8-1/4
 0.128 mi.
 674 ft.

***SFFD/FIRE STATION #34**
499 41ST AVE
SAN FRANCISCO, CA 94121

CA FID UST **S101592481**
SWEEPS UST **N/A**

Site 1 of 4 in cluster E

Relative:
Lower

CA FID UST:
 Facility ID: 38005310
 Regulated By: UTKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4150000000
 Mail To: Not reported
 Mailing Address: 499 41ST AVE
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN FRANCISCO 94121
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

Actual:
287 ft.

SWEEPS UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

***SFFD/FIRE STATION #34 (Continued)**

S101592481

Status: A
Comp Number: 3005
Number: 4
Board Of Equalization: 44-024254
Ref Date: 02-03-92
Act Date: 12-23-93
Created Date: 01-01-01
Tank Status: A
Owner Tank Id: 1473-003-101
Swrcb Tank Id: 38-000-003005-000001
Actv Date: 02-03-92
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 1

**E24
SSE
1/8-1/4
0.128 mi.
674 ft.**

**FIRE STATION #34
499 41ST AVE
SAN FRANCISCO, CA 94121
Site 2 of 4 in cluster E**

**HIST UST U001595573
N/A**

**Relative:
Lower
Actual:
287 ft.**

HIST UST:
Region: STATE
Facility ID: 00000055035
Facility Type: Other
Other Type: FIREFIGHTING
Total Tanks: 0001
Contact Name: MICHAEL GOODIN
Telephone: 4157518626
Owner Name: CITY AND COUNTY OF SAN FRANCIS
Owner Address: 260 GOLDEN GATE AVENUE
Owner City,St,Zip: SAN FRANCISCO, CA 94102

Tank Num: 001
Container Num: #34
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 10 gauge
Leak Detection: Stock Inventor

**E25
SSE
1/8-1/4
0.128 mi.
674 ft.**

**CCSF/SFFD/FIRE
499 41ST AV
SAN FRANCISCO, CA
Site 3 of 4 in cluster E**

**UST U004003535
N/A**

**Relative:
Lower
Actual:
287 ft.**

SAN FRANCISCO CO. UST:
Facility ID: 3005
Facility Status: Not reported
Number Of Tanks: 1
Owner/Operator Name: Not reported
Owner/Operator Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CCSF/SFFD/FIRE (Continued)

U004003535

Owner Name:	Not reported
Care Of Addr:	Not reported
2nd Care Of Addr:	Not reported
Mailing Address:	255 Shipley Street
Mailing City,St,Zip:	Not reported
Permit Number:	Not reported
Permit Approved By:	Not reported
Permit Expiration Date:	Not reported
Applications:	Golden Gate Tank
Application Date:	8/23/1996
Application Name:	Jim Tracy
Action Type:	Not reported
Yr Spill/Overfill Installed1:	Not reported
Yr Spill/Overfill Installed2:	Not reported
Yr Spill/Overfill Installed3:	Not reported
Tank ID:	Not reported
Tank Test:	Not reported
Local Tank Id:	Not reported
Tank Manufacturer:	Not reported
Compartmentalized Tank:	Not reported
# Of Tank Compartments:	Not reported
Date Tank Installed:	Not reported
Tank Capacity:	Not reported
Additional Desc:	Not reported
Tank Use:	Not reported
Petroleum Type:	Not reported
Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Not reported
Primary Tank Material:	Not reported
Secondary Tank Material:	Not reported
Tank Interior Lining:	Not reported
Date Interior Lining Install:	Not reported
Close Date:	9/3/1996
UST Close ID:	2684
Type Of Spill Protection:	Not reported
Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	Not reported
Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CCSF/SFFD/FIRE (Continued)

U004003535

Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	5/22/1997
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

E26
SSE
 1/8-1/4
 0.174 mi.
 920 ft.

RESIDENCE
530 41ST AV
SAN FRANCISCO, CA

UST U004004198
N/A

Site 4 of 4 in cluster E

Relative:
Lower

SAN FRANCISCO CO. UST:

Facility ID:	24104
Facility Status:	Not reported
Number Of Tanks:	Not reported
Owner/Operator Name:	Not reported
Owner/Operator Title:	Not reported
Owner Name:	Not reported
Care Of Addr:	Not reported
2nd Care Of Addr:	Not reported
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Permit Number:	Not reported
Permit Approved By:	Not reported
Permit Expiration Date:	Not reported
Applications:	Not reported
Application Date:	2/9/1993
Application Name:	Not reported
Action Type:	Not reported
Yr Spill/Overfill Installed1:	Not reported
Yr Spill/Overfill Installed2:	Not reported
Yr Spill/Overfill Installed3:	Not reported

Actual:
272 ft.

Tank ID:	Not reported
Tank Test:	Not reported
Local Tank Id:	Not reported
Tank Manufacturer:	Not reported
Compartmentalized Tank:	Not reported
# Of Tank Compartments:	Not reported
Date Tank Installed:	Not reported
Tank Capacity:	Not reported
Additional Desc:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

U004004198

Tank Use:	Not reported
Petroleum Type:	Not reported
Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Not reported
Primary Tank Material:	Not reported
Secondary Tank Material:	Not reported
Tank Interior Lining:	Not reported
Date Interior Lining Install:	Not reported
Close Date:	3/18/1993
UST Close ID:	1225
Type Of Spill Protection:	Not reported
Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	Not reported
Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	Not reported
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

27
South
1/8-1/4
0.195 mi.
1027 ft.

RESIDENCE
550 44TH AV
SAN FRANCISCO, CA

UST U003937009
N/A

Relative:
Lower

SAN FRANCISCO CO. UST:

Actual:
234 ft.

Facility ID:	27364	
Facility Status:	Not reported	
Number Of Tanks:	1	
Owner/Operator Name:	Not reported	
Owner/Operator Title:	Not reported	
Owner Name:	Not reported	
Care Of Addr:	Not reported	
2nd Care Of Add:	Not reported	
Mailing Address:	1550 Wallace Av	
Mailing City, St, Zip:	Not reported	
Permit Number:	Not reported	
Permit Approved By:	Not reported	
Permit Expiration Date:	Not reported	
Applications:	L&W Environmental	
Application Date:	12/12/2003	
Application Name:	George Wilson	
Action Type:	Not reported	
Yr Spill/Overfill Installed1:	Not reported	
Yr Spill/Overfill Installed2:	Not reported	
Yr Spill/Overfill Installed3:	Not reported	
Tank ID:	Not reported	
Tank Test:	Not reported	
Local Tank Id:	Not reported	
Tank Manufacturer:	Not reported	
Compartmentalized Tank:	Not reported	
# Of Tank Compartments:	Not reported	
Date Tank Installed:	Not reported	
Tank Capacity:	Not reported	
Additional Desc:	Not reported	
Tank Use:	Not reported	
Petroleum Type:	Not reported	
Common Name:	Not reported	
Case Number:	Not reported	
Type Of Tank:	Not reported	
Primary Tank Material:	Not reported	
Secondary Tank Material:	Not reported	
Tank Interior Lining:	Not reported	
Date Interior Lining Install:	Not reported	
Close Date:	12/23/2003	
UST Close ID:	4521	
Type Of Spill Protection:	Not reported	
Date Alarm Overfill Protection Installed:	Not reported	Not reported
Date Ball Float Overfill Protection Installed:	Not reported	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported	Not reported
Overfill Protection Exempt:	Not reported	Not reported
Othr Tnk Corrosive Prtctn:	Not reported	Not reported
Date Corrosive Prtctn Install:	Not reported	Not reported
Tank Leak Detection (single walled):	Not reported	Not reported
Tank Leak Detection (double wall):	Not reported	Not reported
Estimated Date Last Used:	Not reported	Not reported
Estimated Qty Of Substance Remaining:	Not reported	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

U003937009

Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gntrts):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gntrts):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	3/11/2004
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

F28
ESE
1/8-1/4
0.208 mi.
1099 ft.

RESIDENCE
7450 GEARY BL
SAN FRANCISCO, CA
Site 1 of 2 in cluster F

UST U004004240
N/A

Relative:
Lower

SAN FRANCISCO CO. UST:

Actual:
270 ft.

Facility ID:	24554
Facility Status:	Not reported
Number Of Tanks:	1
Owner/Operator Name:	Not reported
Owner/Operator Title:	Not reported
Owner Name:	Not reported
Care Of Addr:	Not reported
2nd Care Of Add:	Not reported
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Permit Number:	Not reported
Permit Approved By:	Not reported
Permit Expiration Date:	Not reported
Applications:	Not reported
Application Date:	7/29/1994
Application Name:	Not reported
Action Type:	Not reported
Yr Spill/Overfill Installed1:	Not reported
Yr Spill/Overfill Installed2:	Not reported
Yr Spill/Overfill Installed3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

U004004240

Tank ID:	Not reported
Tank Test:	Not reported
Local Tank Id:	Not reported
Tank Manufacturer:	Not reported
Compartmentalized Tank:	Not reported
# Of Tank Compartments:	Not reported
Date Tank Installed:	Not reported
Tank Capacity:	Not reported
Additional Desc:	Not reported
Tank Use:	Not reported
Petroleum Type:	Not reported
Common Name:	Not reported
Case Number:	Not reported
Type Of Tank:	Not reported
Primary Tank Material:	Not reported
Secondary Tank Material:	Not reported
Tank Interior Lining:	Not reported
Date Interior Lining Install:	Not reported
Close Date:	9/22/1994
UST Close ID:	1785
Type Of Spill Protection:	Not reported
Date Alarm Overfill Protection Installed:	Not reported
Date Ball Float Overfill Protection Installed:	Not reported
Date Fill Tube Shut Overfill Protection Installed:	Not reported
Overfill Protection Exempt:	Not reported
Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	11/9/1994
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

U004004240

Alarm Present: Not reported
Ball Float Present: Not reported
Fill Tube Present: Not reported
Other Tank Leak Detection Present: Not reported

29
East
1/8-1/4
0.230 mi.
1216 ft.

CCSF/FINE ARTS
100 34TH AV
SAN FRANCISCO, CA

UST U003903214
N/A

Relative:
Lower

SAN FRANCISCO CO. UST:

Actual:
328 ft.

Facility ID: 21065
Facility Status: Not reported
Number Of Tanks: 1
Owner/Operator Name: Not reported
Owner/Operator Title: Not reported
Owner Name: Not reported
Care Of Addr: Not reported
2nd Care Of Addr: Not reported
Mailing Address: 2820 East 18th
Mailing City,St,Zip: Not reported
Permit Number: Not reported
Permit Approved By: Not reported
Permit Expiration Date: Not reported
Applications: Enviroclean Inc.
Application Date: 9/16/1996
Application Name: Mike Pedersen
Action Type: Not reported
Yr Spill/Overfill Installed1: Not reported
Yr Spill/Overfill Installed2: Not reported
Yr Spill/Overfill Installed3: Not reported

Tank ID: Not reported
Tank Test: Not reported
Local Tank Id: Not reported
Tank Manufacturer: Not reported
Compartmentalized Tank: Not reported
Of Tank Compartments: Not reported
Date Tank Installed: Not reported
Tank Capacity: Not reported
Additional Desc: Not reported
Tank Use: Not reported
Petroleum Type: Not reported
Common Name: Not reported
Case Number: Not reported
Type Of Tank: Not reported
Primary Tank Material: Not reported
Secondary Tank Material: Not reported
Tank Interior Lining: Not reported
Date Interior Lining Install: Not reported
Close Date: 10/18/1996
UST Close ID: 2705
Type Of Spill Protection: Not reported
Date Alarm Overfill Protection Installed: Not reported
Date Ball Float Overfill Protection Installed: Not reported
Date Fill Tube Shut Overfill Protection Installed: Not reported
Overfill Protection Exempt: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CCSF/FINE ARTS (Continued)

U003903214

Othr Tnk Corrosive Prtctn:	Not reported
Date Corrosive Prtctn Install:	Not reported
Tank Leak Detection (single walled):	Not reported
Tank Leak Detection (double wall):	Not reported
Estimated Date Last Used:	Not reported
Estimated Qty Of Substance Remaining:	Not reported
Tank Filled With Inert Material:	Not reported
Piping System Type (Underground):	Not reported
Piping System Type (Aboveground):	Not reported
Piping Construction (Underground):	Not reported
Piping Manufacturer (Underground):	Not reported
Piping Construction (Aboveground):	Not reported
Piping Manufacturer (Aboveground):	Not reported
Piping Material & Corrosion Protection (Underground):	Not reported
Piping Material & Corrosion Protection (Aboveground):	Not reported
Piping Leak Detection (Undrgrnd - Single Wall):	Not reported
Piping Leak Detection (2nd Contained):	Not reported
Piping Leak Detection (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Underground:	Not reported
Piping Leak Detection (Aboveground - Single Wall):	Not reported
Piping Leak Detection (Underground - 2nd Contained):	Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs):	Not reported
Pipe Integrity Test, Aboveground:	Not reported
Date Dispenser Containment Installed:	Not reported
Dispenser Containment Type:	Not reported
Date Certified (Tank Unit):	Not reported
Certified Date:	3/24/1997
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

F30
ESE
1/8-1/4
0.249 mi.
1317 ft.

RESIDENCE
501 38TH AV
SAN FRANCISCO, CA

Site 2 of 2 in cluster F

UST U003905729
N/A

Relative:
Lower

SAN FRANCISCO CO. UST:

Facility ID:	24103
Facility Status:	Not reported
Number Of Tanks:	Not reported
Owner/Operator Name:	Not reported
Owner/Operator Title:	Not reported
Owner Name:	Not reported
Care Of Addr:	Not reported
2nd Care Of Add:	Not reported
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Permit Number:	Not reported
Permit Approved By:	Not reported
Permit Expiration Date:	Not reported
Applications:	Not reported

Actual:
268 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

U003905729

Application Date: 7/13/1993
Application Name: Not reported
Action Type: Not reported
Yr Spill/Overfill Installed1: Not reported
Yr Spill/Overfill Installed2: Not reported
Yr Spill/Overfill Installed3: Not reported

Tank ID: Not reported
Tank Test: Not reported
Local Tank Id: Not reported
Tank Manufacturer: Not reported
Compartmentalized Tank: Not reported
Of Tank Compartments: Not reported
Date Tank Installed: Not reported
Tank Capacity: Not reported
Additional Desc: Not reported
Tank Use: Not reported
Petroleum Type: Not reported
Common Name: Not reported
Case Number: Not reported
Type Of Tank: Not reported
Primary Tank Material: Not reported
Secondary Tank Material: Not reported
Tank Interior Lining: Not reported
Date Interior Lining Install: Not reported
Close Date: 7/16/1993
UST Close ID: 1381
Type Of Spill Protection: Not reported
Date Alarm Overfill Protection Installed: Not reported
Date Ball Float Overfill Protection Installed: Not reported
Date Fill Tube Shut Overfill Protection Installed: Not reported
Overfill Protection Exempt: Not reported
Othr Tnk Corrosive Prtctn: Not reported
Date Corrosive Prtctn Install: Not reported
Tank Leak Detection (single walled): Not reported
Tank Leak Detection (double wall): Not reported
Estimated Date Last Used: Not reported
Estimated Qty Of Substance Remaining: Not reported
Tank Filled With Inert Material: Not reported
Piping System Type (Underground): Not reported
Piping System Type (Aboveground): Not reported
Piping Construction (Underground): Not reported
Piping Manufacturer (Underground): Not reported
Piping Construction (Aboveground): Not reported
Piping Manufacturer (Aboveground): Not reported
Piping Material & Corrosion Protection (Underground): Not reported
Piping Material & Corrosion Protection (Aboveground): Not reported
Piping Leak Detection (Undrgrnd - Single Wall): Not reported
Piping Leak Detection (2nd Contained): Not reported
Piping Leak Detection (Emrgncy Gnrtrs): Not reported
Pipe Integrity Test, Underground: Not reported
Piping Leak Detection (Aboveground - Single Wall): Not reported
Piping Leak Detection (Underground - 2nd Contained): Not reported
Piping Leak Detection Underground (Emrgncy Gnrtrs): Not reported
Pipe Integrity Test, Aboveground: Not reported
Date Dispenser Containment Installed: Not reported
Dispenser Containment Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

U003905729

Date Certified (Tank Unit):	Not reported
Certified Date:	Not reported
Last Annual Monitoring Cert:	Not reported
2nd Containment Test:	Not reported
Spill Containment Present:	Not reported
Drop Tube Present:	Not reported
Striker Plate Present:	Not reported
Alarm Present:	Not reported
Ball Float Present:	Not reported
Fill Tube Present:	Not reported
Other Tank Leak Detection Present:	Not reported

**31
 West
 1/4-1/2
 0.273 mi.
 1444 ft.**

POINT LOBOS SEARCHLIGHT POSITION

**FUDS 1007211918
 N/A**

SAN FRANCISCO, CA

**Relative:
 Lower**

FUDS:
 Federal Facility ID: CA9799F5827
 FUDS #: J09CA0906
 INST ID: 57523
 Facility Name: Point Lobos Searchlight Position
 City: SAN FRANCISCO
 State: CA
 EPA Region: 9
 County: SAN FRANCISCO
 Congressional District: 08
 US Army District: Sacramento District (SPK)
 Fiscal Year: 2009
 Telephone: 916-557-7461
 NPL Status: Not Listed
 RAB: Not reported
 CTC: 690.56424
 Current Owner: FEDERAL

**Actual:
 68 ft.**

FUDS Description Details:

The 9.13-acre site is located within the City of San Francisco, California. The site is currently owned by the U.S. (National Park Service) and serves as a portion of the Golden Gate National Recreation Area (GGNRA). Site consist of 9.13 acres.

FUDS History Details:

Around 1942, the U.S. acquired four leaseholds, by leases, for interest in 9.13 acres and a 0.00 no-acre use permit by donation. The site was used by the Army for harbor defenses of San Francisco. Between 1946 and 1947, 4 leases were terminated for a total of 9.13 acres. In 1953 the 0.00 no-acre use permit was terminated.

FUDS Current Program Details:

FUDS Future Program Details:

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

32
ESE
1/4-1/2
0.274 mi.
1445 ft.

GOLDEN GATE SERVICE
7355 GEARY
SAN FRANCISCO, CA 94121

HIST CORTESE
LUST **S103723130**
N/A

Relative:
Lower

CORTESE:
Region: **CORTESE**
Facility County Code: **38**
Reg By: **LTNKA**
Reg Id: **38-1263**

Actual:
269 ft.

LUST:

Region: **STATE**
Global Id: **T0607501148**
Latitude: **37.779178**
Longitude: **-122.498377**
Case Type: **LUST Cleanup Site**
Status: **Completed - Case Closed**
Status Date: **1999-07-21 00:00:00**
Lead Agency: **SAN FRANCISCO COUNTY LOP**
Case Worker: **AL**
Local Agency: **SAN FRANCISCO COUNTY LOP**
RB Case Number: **38-1263**
LOC Case Number: **11133**
File Location: **Not reported**
Potential Media Affect: **Soil**
Potential Contaminants of Concern: **Waste Oil / Motor / Hydraulic / Lubricating**
Site History: **Not reported**

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: **T0607501148**
Contact Type: **Local Agency Caseworker**
Contact Name: **ALBERT LEE**
Organization Name: **SAN FRANCISCO COUNTY LOP**
Address: **1390 MARKET STREET, #210**
City: **SAN FRANCISCO**
Email: **albert.lee@sfdph.org**
Phone Number: **Not reported**

Global Id: **T0607501148**
Contact Type: **Regional Board Caseworker**
Contact Name: **VIC PAL**
Organization Name: **SAN FRANCISCO BAY RWQCB (REGION 2)**
Address: **1515 CLAY STREET, SUITE 1400**
City: **OAKLAND**
Email: **vpal@waterboards.ca.gov**
Phone Number: **Not reported**

LUST:

Global Id: **T0607501148**
Action Type: **Other**
Date: **1950-01-01 00:00:00**
Action: **Leak Reported**

Global Id: **T0607501148**
Action Type: **Other**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN GATE SERVICE (Continued)

S103723130

Date: 1950-01-01 00:00:00
Action: Leak Discovery

LUST REG 2:

Region: 2
Facility Id: 38-1263
Facility Status: Case Closed
Case Number: 11133
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment 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

SAN FRANCISCO CO. LUST:

Region: SAN FRANCISCO
Facility ID: 38-1263
Facility Status: Case Closed
Case Number: 11133
Case Type: Soil only
Release Date: 1/8/1999
Discovered Date: 1/8/1999
Substance: Waste Oil
Substance Qty: Not reported
How Discovered: Tank Closure
How Stopped: Repair Tank
Report Date: 1/5/1999
Case Closed: 7/21/1999
Closed Date: 7/21/1999
Leak Source: Tank
Leak Cause: Corrosion
Leak Confirmed: 1/7/1999
Entered Date: 1/5/1999
Number of Wells: Not reported
Regional Board: San Francisco Bay Region
Local Agency: 38000
Lead Agency: Local Agency
Program: LOP
Responsible Party: Ali R Shakoori
RP Address: Not reported
Operator: Not reported
Staff Initial: VP
Facility Staff: AL
Cross Street: 38TH AVE
NOR Date: 1/5/1999
MTBE Current: Not reported
MTBE Current Date: Not reported
MTBE: YES
Maximum MTBE Soil: 0.0056

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOLDEN GATE SERVICE (Continued)

S103723130

Maximum MTBE GW: Not reported
 MTBE DATE: Not reported
 Review Date: Not reported
 Workplan Submitted: Not reported
 Assessment Underway: Not reported
 Pollution Characterization: Not reported
 Corrective Action Plan: Not reported
 Remediation Underway: Not reported
 Monitoring Begun: 1/5/1999
 Funding: Federal
 Interim Remediation: Yes
 Priority: Not reported
 Abatement: Excavate and Dispose - remove contaminated soil and dispose in approved site

 Enforcement Type: 2A
 Enforcement Due Date: Not reported
 Basin: Lobos Basin
 Beneficial Use: Yes
 Lat/Long: Not reported
 CUFID: Not reported
 Suspended: No
 Stopped Date: 1/5/1999
 Free Product: No
 Depth to Grnd Wtr: Not reported
 Gradient: Not reported
 Benzene: Not reported
 Primary Substance: Used oil (waste
 Enforcement Type: 2A
 Amount of Free Produce: Not reported
 Benzene Test: YES
 Maximum Soil GW: ND
 Max Soil Concentration: ND
 TPH Tested: YES
 Max TPH GW: Not reported
 Max TPH Soil: 540
 TPH Date: Not reported
 Block: Not reported
 Lot: Not reported
 Notify: False
 TPH Current: Not reported
 TPH Current Date: Not reported
 Grnd Wtr Qualifier: Not reported
 Soil Qualifier: Not reported
 Comments: Not reported
 Summary: limited soil

G33
East
1/4-1/2
0.296 mi.
1565 ft.

RESIDENCE
34 SHOREVIEW
SAN FRANCISCO, CA 94121
Site 1 of 2 in cluster G

HIST CORTESE **S104396888**
N/A

Relative: **CORTESE:**
Lower Region: **CORTESE**
 Facility County Code: **38**
Actual: Reg By: **LTNKA**
301 ft. Reg Id: **38-1587**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G34 **RESIDENCE**
East **34 SHORE VIEW AVE**
1/4-1/2 **SAN FRANCISCO, CA 94121**
0.297 mi.
1568 ft. **Site 2 of 2 in cluster G**

LUST **S104493208**
 N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0607592730
Latitude: 37.78081
Longitude: -122.497376
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2000-01-26 00:00:00
Lead Agency: SAN FRANCISCO COUNTY LOP
Case Worker: SC
Local Agency: SAN FRANCISCO COUNTY LOP
RB Case Number: 38-2121
LOC Case Number: 11335
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Actual:
301 ft.

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0607592730
Contact Type: Local Agency Caseworker
Contact Name: STEPHANIE CUSHING
Organization Name: SAN FRANCISCO COUNTY LOP
Address: 1390 MARKET STREET #210
City: SAN FRANCISCO
Email: stephanie.cushing@sfdph.org
Phone Number: Not reported

Global Id: T0607592730
Contact Type: Regional Board Caseworker
Contact Name: VIC PAL
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: vpal@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0607592730
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Discovery

Global Id: T0607592730
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

Global Id: T0607592730
Action Type: ENFORCEMENT
Date: 2000-01-11 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S104493208

Action: Notice of Responsibility

LUST REG 2:

Region: 2
Facility Id: 38-2121
Facility Status: Case Closed
Case Number: 11335
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Wokplan Submitted: Not reported
Preliminary Site Assessment 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

SAN FRANCISCO CO. LUST:

Region: SAN FRANCISCO
Facility ID: 02-100-004
Facility Status: Case Closed
Case Number: 11335
Case Type: Soil only
Release Date: Not reported
Discovered Date: 12/21/1999
Substance: Diesel
Substance Qty: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Report Date: 12/22/1999
Case Closed: 1/26/2000
Closed Date: 1/26/2000
Leak Source: Tank
Leak Cause: Corrosion
Leak Confirmed: 12/21/1999
Entered Date: 1/11/2000
Number of Wells: Not reported
Regional Board: San Francisco Bay Region
Local Agency: 38000
Lead Agency: Local Agency
Program: LOP
Responsible Party: Not reported
RP Address: Not reported
Operator: Jerry Morks
Staff Initial: VP
Facility Staff: SC
Cross Street: 36th Ave
NOR Date: 1/11/2000
MTBE Current: Not reported
MTBE Current Date: 12/21/1999
MTBE: ND
Maximum MTBE Soil: 0.005
Maximum MTBE GW: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

S104493208

MTBE DATE: 12/21/1999
 Review Date: Not reported
 Workplan Submitted: Not reported
 Assessment Underway: Not reported
 Pollution Characterization: Not reported
 Corrective Action Plan: 12/29/1999
 Remediation Underway: 12/29/1999
 Monitoring Begun: Not reported
 Funding: State
 Interim Remediation: No
 Priority: Low Priority Site
 Abatement: Excavate and Dispose - remove contaminated soil and dispose in approved site

 Enforcement Type: NOR
 Enforcement Due Date: 1/11/2000
 Basin: LOBOS
 Beneficial Use: Yes
 Lat/Long: Not reported
 CUFID: Not reported
 Suspended: Not reported
 Stopped Date: 12/21/1999
 Free Product: Not reported
 Depth to Grnd Wtr: Not reported
 Gradient: Not reported
 Benzene: Not reported
 Primary Substance: Diesel fuel oilf
 Enforcement Type: Not reported
 Amount of Free Produce: Not reported
 Benzene Test: ND
 Maximum Soil GW: Not reported
 Max Soil Concentration: ND
 TPH Tested: YES
 Max TPH GW: Not reported
 Max TPH Soil: 2200
 TPH Date: 12/21/1999
 Block: Not reported
 Lot: Not reported
 Notify: False
 TPH Current: Not reported
 TPH Current Date: Not reported
 Grnd Wtr Qualifier: Not reported
 Soil Qualifier: <
 Comments: Not reported
 Summary: Not reported

35
 ENE
 1/2-1
 0.647 mi.
 3415 ft.

CHINA BEACH BIVOUAC AREA
SAN FRANCISCO, CA

FUDS 1012129627
N/A

Relative:
Lower

FUDS:
 Federal Facility ID: CA9799F5725
 FUDS #: J09CA0784
 INST ID: 57536
 Facility Name: China Beach Bivouac Area
 City: SAN FRANCISCO
 State: CA

Actual:
20 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHINA BEACH BIVOUAC AREA (Continued)

1012129627

EPA Region: 9
County: SAN FRANCISCO
Congressional District: 08
US Army District: Sacramento District (SPK)
Fiscal Year: 2009
Telephone: 916-557-7461
NPL Status: Not Listed
RAB: Not reported
CTC: Not reported
Current Owner: FEDERAL

FUDS Description Details:

The 1.062-acre site is located in the city of San Francisco, California, on the Pacific Ocean just west of the Presidio of San Francisco. China Beach is now part of the Golden Gate National Recreation Area (GGNRA). The beach is one of the few swimming beaches in the city. A lifeguard station has been built on the site.

FUDS History Details:

China Beach Bivouac Area was established by the Army for use by troops of the 6th Army. On 1 July 1943, the U.S. acquired 1.00 permit acres from the city of San Francisco. On 25 October 1943, the U.S. acquired an additional 0.062 acres from the city of San Francisco for right of way. The agreement was terminated on 13 January 1946.

FUDS Current Program Details:

FUDS Future Program Details:

Count: 7 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN FRANCISCO	S100453837	UNKNOWN	1289 2ND AVE	94122	HIST CORTESE, LUST, Notify 65
SAN FRANCISCO	S107591769	BAY VIEW GREEN WASTE MGT. COMPANY	1300 CARROL WAY		SWF/LF
SAN FRANCISCO	U003931768	CCSF/DTIS/CENTRAL RADIO STATION (C	1 CHRISTMAS TREE POINT RD		UST
SAN FRANCISCO	U004003461	BATTERY, EAST ROAD	FORT PT		UST
SAN FRANCISCO	1000149191	FARALLON ISLANDS	30 MI OFFSHORE, WEST OF SAN FR	94122	CERCLIS, FINDS
SAN FRANCISCO	S109689876	SF PIER 98 INDIA BASIN	PIER 98		SWF/LF
SAN FRANCISCO	1000593931		PIER 50		RCRA-SQG, FINDS, CHMIRS, HAZNE EMI

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: 03/31/2011	Source: EPA
Date Data Arrived at EDR: 04/13/2011	Telephone: N/A
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/24/2011
	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: 03/31/2011	Source: EPA
Date Data Arrived at EDR: 04/13/2011	Telephone: N/A
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/24/2011
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/16/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/29/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/31/2011	Source: EPA
Date Data Arrived at EDR: 04/13/2011	Telephone: N/A
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/14/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Quarterly

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's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/15/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/14/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
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: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
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: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
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: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
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: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 06/13/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 09/26/2011
	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: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 06/13/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 09/26/2011
	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: 04/05/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/05/2011	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/05/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Annually

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: 06/15/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/16/2011	Telephone: 916-323-3400
Date Made Active in Reports: 07/15/2011	Last EDR Contact: 06/16/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/22/2011
	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 identifies 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 06/16/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/16/2011
Next Scheduled EDR Contact: 08/22/2011
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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/23/2011
Date Data Arrived at EDR: 05/24/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 22

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
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: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Quarterly

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: 06/06/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/20/2011
Date Data Arrived at EDR: 06/21/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 17

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/21/2011
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

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: 06/20/2011
Date Data Arrived at EDR: 06/21/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 17

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/21/2011
Next Scheduled EDR Contact: 10/03/2011
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: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
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: 06/20/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
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: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
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: 06/13/2011
Next Scheduled EDR Contact: 09/13/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 05/09/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/17/2011
Date Data Arrived at EDR: 05/19/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

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: 03/07/2011
Date Data Arrived at EDR: 05/20/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/16/2011
Date Data Arrived at EDR: 05/17/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 28

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
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: 03/03/2011
Date Data Arrived at EDR: 03/18/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 45

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Semi-Annually

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: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/20/2011	Source: SWRCB
Date Data Arrived at EDR: 06/21/2011	Telephone: 916-480-1028
Date Made Active in Reports: 07/08/2011	Last EDR Contact: 06/21/2011
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/03/2011
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-341-5712
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/08/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

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: 05/17/2011	Source: EPA Region 10
Date Data Arrived at EDR: 05/19/2011	Telephone: 206-553-2857
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 26	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/18/2011	Source: EPA Region 9
Date Data Arrived at EDR: 05/26/2011	Telephone: 415-972-3368
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/16/2011	Source: EPA Region 8
Date Data Arrived at EDR: 05/17/2011	Telephone: 303-312-6137
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/01/2011	Telephone: 913-551-7003
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 02/03/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/16/2011
	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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Semi-Annually

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: 01/01/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
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: 03/03/2011
Date Data Arrived at EDR: 03/18/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 45

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Semi-Annually

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: 03/07/2011
Date Data Arrived at EDR: 05/04/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 41

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 06/16/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/16/2011
Next Scheduled EDR Contact: 08/22/2011
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: 02/25/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 70

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 03/29/2011
Date Data Arrived at EDR: 03/29/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 05/16/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/29/2011
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/01/2011	Source: Department of Conservation
Date Data Arrived at EDR: 06/21/2011	Telephone: 916-323-3836
Date Made Active in Reports: 07/15/2011	Last EDR Contact: 06/21/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 10/03/2011
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/24/2011	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 05/24/2011	Telephone: 916-341-6422
Date Made Active in Reports: 06/15/2011	Last EDR Contact: 05/24/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/05/2011
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/09/2011
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/22/2011
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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: 02/02/2011	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/17/2011	Telephone: 202-307-1000
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/07/2011
Number of Days to Update: 46	Next Scheduled EDR Contact: 09/19/2011
	Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/15/2011
Date Data Arrived at EDR: 06/16/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/16/2011
Next Scheduled EDR Contact: 08/22/2011
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

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: 12/31/2010
Date Data Arrived at EDR: 03/04/2011
Date Made Active in Reports: 03/24/2011
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/06/2011
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/19/2011
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2011	Telephone: 202-564-6023
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

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: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/11/2011
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/05/2011
	Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/28/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/29/2011	Telephone: 916-323-3400
Date Made Active in Reports: 07/08/2011	Last EDR Contact: 06/27/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/13/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/14/2011	Telephone: 916-323-3400
Date Made Active in Reports: 07/15/2011	Last EDR Contact: 06/14/2011
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/26/2011
	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: 12/31/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/05/2011	Telephone: 202-366-4555
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/05/2011
Number of Days to Update: 51	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Annually

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: 12/31/2010	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/03/2011	Telephone: 916-845-8400
Date Made Active in Reports: 06/15/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/15/2011
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/20/2011	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/21/2011	Telephone: 866-480-1028
Date Made Active in Reports: 07/08/2011	Last EDR Contact: 06/21/2011
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/03/2011
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/20/2011	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/21/2011	Telephone: 866-480-1028
Date Made Active in Reports: 07/08/2011	Last EDR Contact: 06/21/2011
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/03/2011
	Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/05/2011	Telephone: (415) 495-8895
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 07/07/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/11/2011	Telephone: 202-366-4595
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/11/2011
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/22/2011
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/22/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

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: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/14/2011
Number of Days to Update: 112	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/05/2011	Telephone: Varies
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/01/2011
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Varies

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: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/16/2011	Telephone: 703-416-0223
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/15/2011
Number of Days to Update: 5	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/21/2010	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 06/02/2011
Number of Days to Update: 99	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Varies

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: 02/08/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/09/2011	Telephone: 303-231-5959
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/08/2011
Number of Days to Update: 54	Next Scheduled EDR Contact: 09/19/2011
	Data Release Frequency: Semi-Annually

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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/17/2010	Telephone: 202-566-0250
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 05/27/2011
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Annually

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: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/30/2011
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/10/2011
	Data Release Frequency: Every 4 Years

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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/27/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/27/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 05/02/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/15/2011
	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: 01/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/21/2011	Telephone: 202-564-5088
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/27/2011
Number of Days to Update: 59	Next Scheduled EDR Contact: 10/10/2011
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/22/2011
Number of Days to Update: 98	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 06/13/2011
Number of Days to Update: 51	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Quarterly

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: 01/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2011	Telephone: 202-343-9775
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 07/12/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/24/2011
	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: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (415) 947-8000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 06/14/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Quarterly

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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/27/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/12/2011
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 06/13/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/24/2011
Date Data Arrived at EDR: 05/24/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

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). This listing is no longer updated by the state agency.

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 07/01/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 14

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
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 [CAL SITES].

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

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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/15/2010	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/16/2010	Telephone: 916-327-4498
Date Made Active in Reports: 09/29/2010	Last EDR Contact: 06/13/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Annually

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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 07/01/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/17/2011
	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.

Date of Government Version: 12/31/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/07/2010	Telephone: 916-255-1136
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/19/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/31/2011
	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: 12/31/2008	Source: California Air Resources Board
Date Data Arrived at EDR: 09/29/2010	Telephone: 916-322-2990
Date Made Active in Reports: 10/18/2010	Last EDR Contact: 06/30/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/10/2011
	Data Release Frequency: Varies

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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/22/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 07/15/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/07/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/01/2011
Date Data Arrived at EDR: 06/21/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/21/2011
Next Scheduled EDR Contact: 10/03/2011
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: 06/09/2011
Date Data Arrived at EDR: 06/16/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 29

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan 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: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

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: 04/19/2011
Date Data Arrived at EDR: 04/19/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/19/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/03/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/15/2011
Date Data Arrived at EDR: 03/16/2011
Date Made Active in Reports: 04/26/2011
Number of Days to Update: 41

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 05/05/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

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: 07/22/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/05/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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 Historical Auto Stations: EDR Proprietary Historic Gas 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Historical Cleaners: EDR Proprietary Historic Dry 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.

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

COUNTY RECORDS

ALAMEDA COUNTY:

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: 04/12/2011
Date Data Arrived at EDR: 04/15/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/12/2011
Date Data Arrived at EDR: 04/15/2011
Date Made Active in Reports: 05/18/2011
Number of Days to Update: 33

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Semi-Annually

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 03/29/2011
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2010
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 27

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/13/2011
Date Data Arrived at EDR: 06/14/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 31

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Semi-Annually

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/28/2011
Date Data Arrived at EDR: 05/13/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 33

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

FRESNO COUNTY:

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: 04/15/2011
Date Data Arrived at EDR: 04/19/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 23

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 03/03/2011
Date Made Active in Reports: 03/24/2011
Number of Days to Update: 21

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 06/30/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/13/2011
Date Data Arrived at EDR: 06/14/2011
Date Made Active in Reports: 07/19/2011
Number of Days to Update: 35

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/09/2011
Date Data Arrived at EDR: 06/09/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 29

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2011
Date Data Arrived at EDR: 06/09/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 6

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2011
Date Data Arrived at EDR: 04/28/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 19

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/25/2011
Next Scheduled EDR Contact: 08/08/2011
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/09/2011
Date Data Arrived at EDR: 02/09/2011
Date Made Active in Reports: 03/04/2011
Number of Days to Update: 23

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/08/2011
Date Made Active in Reports: 03/03/2011
Number of Days to Update: 23

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/25/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/18/2011
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 05/18/2011
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/07/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 30

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 04/15/2011
Date Data Arrived at EDR: 04/26/2011
Date Made Active in Reports: 05/18/2011
Number of Days to Update: 22

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/11/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 06/06/2011
Date Data Arrived at EDR: 06/06/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/20/2011
Date Data Arrived at EDR: 03/03/2011
Date Made Active in Reports: 03/24/2011
Number of Days to Update: 21

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/07/2011
Next Scheduled EDR Contact: 06/20/2011
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/06/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: No Update Planned

NEVADA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/04/2011
Date Data Arrived at EDR: 05/12/2011
Date Made Active in Reports: 06/23/2011
Number of Days to Update: 42

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 03/04/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/02/2011
Date Data Arrived at EDR: 05/20/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 05/20/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 26

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 05/17/2011
Date Made Active in Reports: 06/20/2011
Number of Days to Update: 34

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/17/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/20/2011
Date Data Arrived at EDR: 06/21/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 17

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/26/2011
Date Data Arrived at EDR: 04/28/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 19

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/26/2011	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/28/2011	Telephone: 951-358-5055
Date Made Active in Reports: 05/18/2011	Last EDR Contact: 06/27/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/10/2011
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/07/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/28/2011	Telephone: 916-875-8406
Date Made Active in Reports: 05/17/2011	Last EDR Contact: 07/08/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

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: 02/07/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/29/2011	Telephone: 916-875-8406
Date Made Active in Reports: 05/17/2011	Last EDR Contact: 07/08/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

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: 06/09/2011	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 06/09/2011	Telephone: 909-387-3041
Date Made Active in Reports: 06/15/2011	Last EDR Contact: 05/16/2011
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/29/2011
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

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: 09/09/2010	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/15/2010	Telephone: 619-338-2268
Date Made Active in Reports: 09/29/2010	Last EDR Contact: 06/17/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/26/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 70

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

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: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight 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: 05/16/2011
Next Scheduled EDR Contact: 08/16/2011
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/29/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 9

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/31/2011
Date Data Arrived at EDR: 05/31/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 38

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/19/2011
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/20/2011
Date Data Arrived at EDR: 06/21/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 24

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 11/22/2010
Date Data Arrived at EDR: 03/03/2011
Date Made Active in Reports: 03/24/2011
Number of Days to Update: 21

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 06/29/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

SANTA CLARA COUNTY:

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

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 07/20/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/18/2009
Number of Days to Update: 18

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/31/2011
Date Data Arrived at EDR: 05/31/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 38

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/31/2011
Date Data Arrived at EDR: 05/31/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 38

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/09/2011
Date Data Arrived at EDR: 06/29/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 9

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/09/2011
Date Data Arrived at EDR: 07/01/2011
Date Made Active in Reports: 07/13/2011
Number of Days to Update: 12

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/05/2011
Date Data Arrived at EDR: 04/06/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 36

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/13/2011
Date Data Arrived at EDR: 06/14/2011
Date Made Active in Reports: 07/13/2011
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

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: 04/26/2011
Date Data Arrived at EDR: 06/14/2011
Date Made Active in Reports: 07/15/2011
Number of Days to Update: 31

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 04/01/2011
Date Data Arrived at EDR: 04/07/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 35

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/08/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Annually

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: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Quarterly

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: 04/26/2011
Date Data Arrived at EDR: 05/03/2011
Date Made Active in Reports: 06/15/2011
Number of Days to Update: 43

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/25/2011
Date Data Arrived at EDR: 06/21/2011
Date Made Active in Reports: 07/13/2011
Number of Days to Update: 22

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/21/2011
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/26/2011	Source: Yolo County Department of Health
Date Data Arrived at EDR: 05/03/2011	Telephone: 530-666-8646
Date Made Active in Reports: 06/20/2011	Last EDR Contact: 07/25/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/24/2011
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 12/31/2010	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 05/12/2011	Telephone: 530-749-7523
Date Made Active in Reports: 06/15/2011	Last EDR Contact: 04/04/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/22/2011
	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: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/26/2009	Telephone: 860-424-3375
Date Made Active in Reports: 09/11/2009	Last EDR Contact: 05/26/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/05/2011
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/22/2010	Telephone: N/A
Date Made Active in Reports: 08/26/2010	Last EDR Contact: 07/20/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/31/2011
	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: 12/31/2010	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/12/2011	Telephone: 518-402-8651
Date Made Active in Reports: 05/24/2011	Last EDR Contact: 05/12/2011
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/22/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED GSHP
4150 CLEMENT STREET
SAN FRANCISCO, CA 94121

TARGET PROPERTY COORDINATES

Latitude (North):	37.78230 - 37° 46' 56.3"
Longitude (West):	122.5053 - 122° 30' 19.1"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	543562.6
UTM Y (Meters):	4181571.2
Elevation:	355 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37122-G5 POINT BONITA, CA
Most Recent Revision:	1978
East Map:	37122-G4 SAN FRANCISCO NORTH, CA
Most Recent Revision:	1999

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).

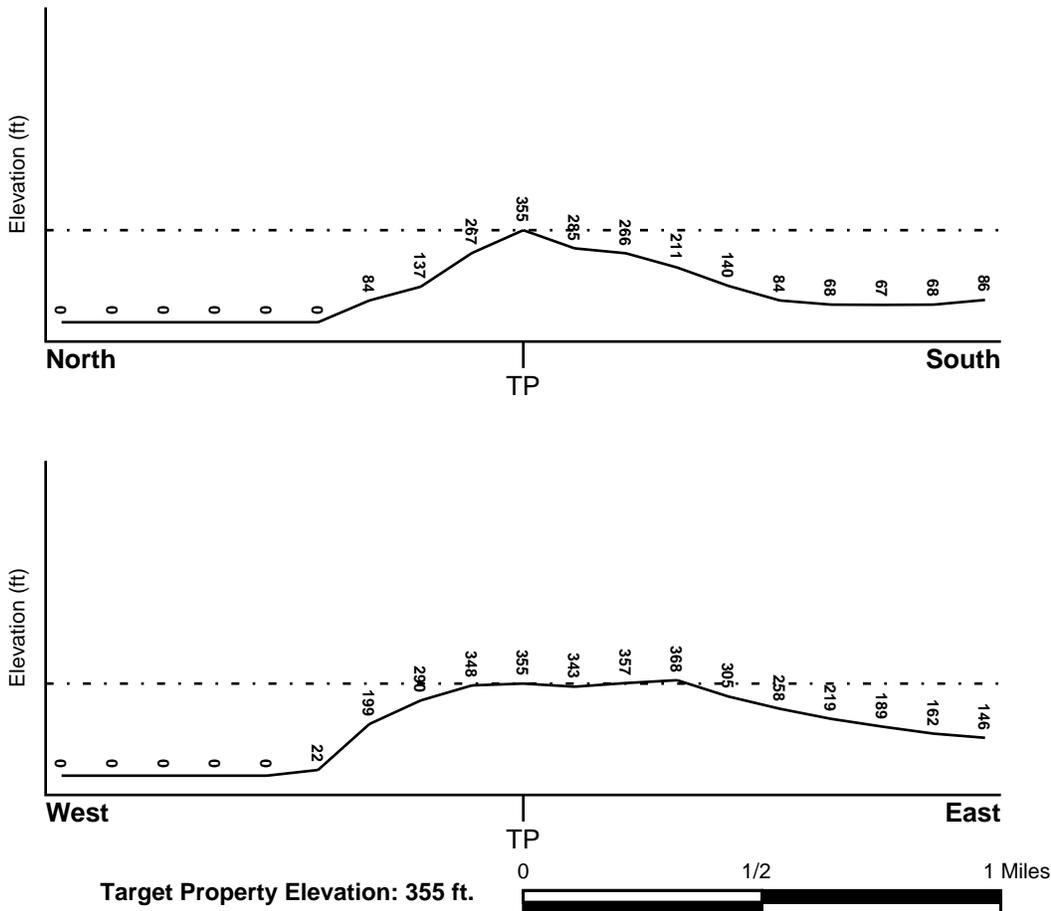
TOPOGRAPHIC INFORMATION

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 NW

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

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
SAN FRANCISCO, CA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
POINT BONITA	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A1	1/2 - 1 Mile ESE	S
A2	1/2 - 1 Mile ESE	SE
A3	1/2 - 1 Mile ESE	SE
C6	1/2 - 1 Mile ENE	SE
C7	1/2 - 1 Mile ENE	S

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

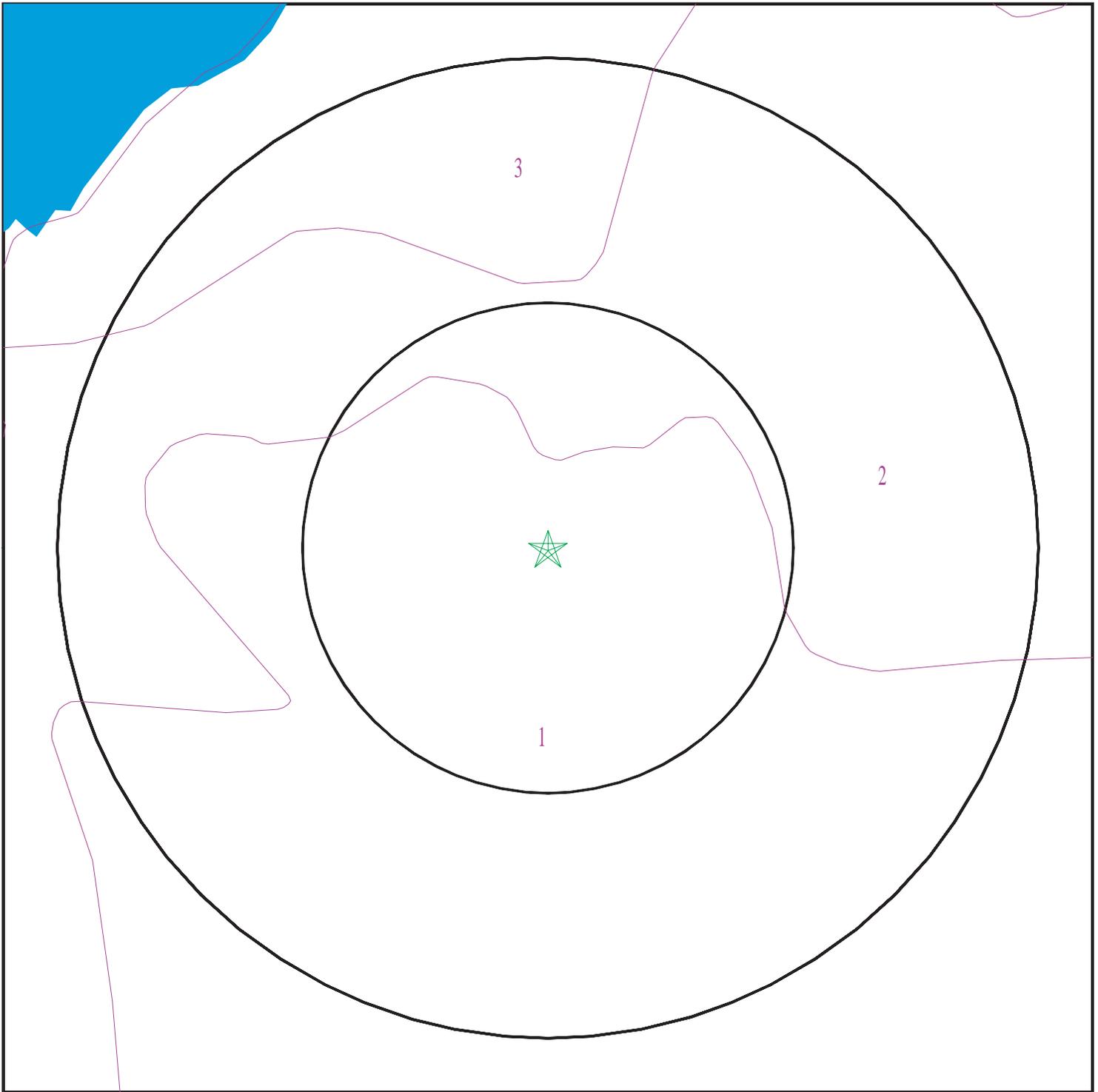
Era: Paleozoic
System: Permian
Series: Ultramafic rocks
Code: uM (*decoded above as Era, System & Series*)

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 - 3132885.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Proposed GSHP
ADDRESS: 4150 Clement Street
San Francisco CA 94121
LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
CONTACT: Paul Jackson
INQUIRY #: 3132885.2s
DATE: July 25, 2011 4:35 pm

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: Urban land

Soil Surface Texture: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
 Hydrologic Group:

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Sirdrak

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
2	16 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

Soil Map ID: 3

Soil Component Name: Orthents

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B4	USGS3235746	1/2 - 1 Mile SSW
B5	USGS3235745	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

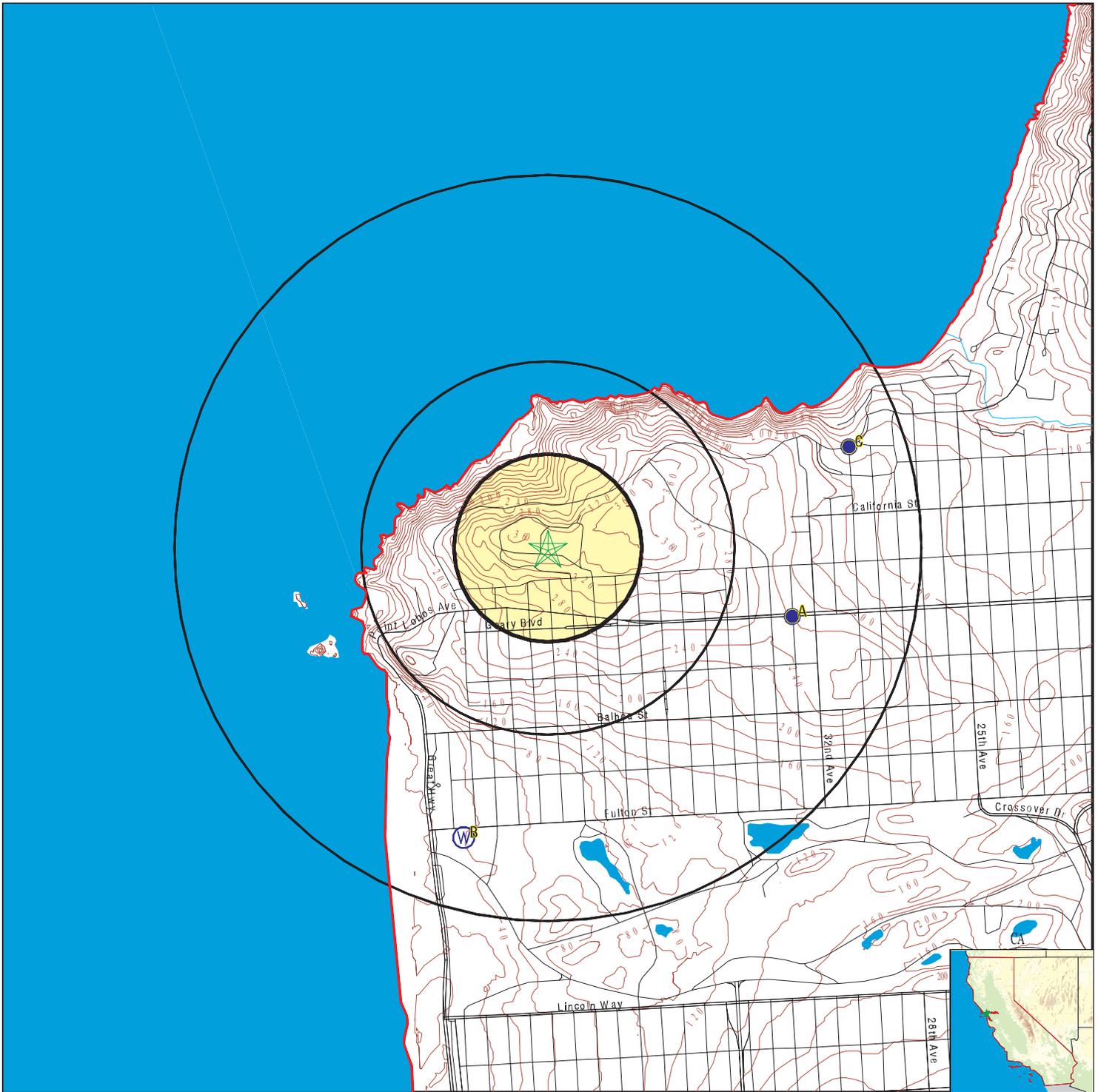
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3132885.2s



-  County Boundary
-  Major Roads
-  Contour Lines
-  Earthquake Fault Lines
-  Earthquake epicenter, Richter 5 or greater
-  Water Wells
-  Public Water Supply Wells
-  Cluster of Multiple Icons

-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data
-  Oil, gas or related wells



SITE NAME: Proposed GSHP
 ADDRESS: 4150 Clement Street
 San Francisco CA 94121
 LAT/LONG: 37.7823 / 122.5053

CLIENT: TTL Associates, Inc
 CONTACT: Paul Jackson
 INQUIRY #: 3132885.2s
 DATE: July 25, 2011 4:35 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1 ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-10048 S Not Reported Not Reported 45 08/11/1998	AQUIFLOW	69976
--	---	---	-----------------	--------------

A2 ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0099 SE 20.0 29.0 Not Reported 03/29/1993	AQUIFLOW	69978
--	---	---	-----------------	--------------

A3 ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0099 SE Not Reported Not Reported 60.5 08/28/1986	AQUIFLOW	69977
--	---	---	-----------------	--------------

B4 SSW 1/2 - 1 Mile Lower			FED USGS	USGS3235746
--	--	--	-----------------	--------------------

Agency cd:	USGS	Site no:	374616122303002
Site name:	002S006W10L002M	EDR Site id:	USGS3235746
Latitude:	374616	Dec lat:	37.77104122
Longitude:	1223030	Coor meth:	M
Dec lon:	-122.50941689	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	075
State:	06	Land net:	S10 T02S06W M
Country:	US	Map scale:	24000
Location map:	SAN FRANCISCO NORTH		
Altitude:	44.76		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Coastal South. California. Area = 256 sq.mi.		
Topographic:	Undulating		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19880301	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	281	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	470647300		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1988-03-02
 Ground water data begin date: 1987-12-10
 Ground water data count: 27

Water quality data begin date: 1988-03-02
 Water quality data count: 1
 Ground water data end date: 1992-06-11

Ground-water levels, Number of Measurements: 27

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-06-11	31.45		1992-02-05	31.10	
1991-09-19	32.96		1991-05-01	28.88	
1991-02-06	29.86		1990-12-04	29.21	
1990-11-07	29.09		1990-10-10	30.41	
1990-09-06	30.46		1990-08-02	30.12	
1990-07-03	31.77		1990-05-01	33.24	
1990-04-04	28.10		1990-03-06	28.62	
1990-02-06	29.20		1989-12-07	28.29	
1989-11-21	28.45		1989-10-25	27.78	
1989-09-19	27.97		1989-08-16	28.47	
1989-07-07	28.12		1989-06-01	30.27	
1989-04-24					
Note: The site was being pumped.					
1989-03-14	27.93		1989-02-07	27.58	
1989-01-04	27.39		1987-12-10	25.85	

B5
SSW
1/2 - 1 Mile
Lower

FED USGS USGS3235745

Agency cd:	USGS	Site no:	374616122303001
Site name:	002S006W10L001M	EDR Site id:	USGS3235745
Latitude:	374616	Dec lat:	37.77104122
Longitude:	1223030	Coor meth:	M
Dec lon:	-122.50941689	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	075
State:	06	Land net:	S10 T02S R06W M
Country:	US	Map scale:	24000
Location map:	SAN FRANCISCO NORTH		
Altitude:	33.19		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Coastal South. California. Area = 256 sq.mi.		
Topographic:	Undulating		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19871210	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	156	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	470600224		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1989-05-19
 Ground water data begin date: 1987-12-10
 Ground water data count: 40

Water quality data begin date: 1988-03-02
 Water quality data count: 4
 Ground water data end date: 1993-02-06

Ground-water levels, Number of Measurements: 40

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1993-02-06	18.13		1992-09-15	21.00	
1992-06-11	21.06		1992-02-05	20.68	
1991-09-19	22.33		1991-05-01	18.98	
1991-02-06	19.53		1990-12-04	19.23	
1990-11-07	19.19		1990-10-11	20.19	
1990-09-06	20.38		1990-07-03	21.42	
1990-06-06	21.33		1990-05-01	22.83	
1990-04-04	18.46		1990-03-06	19.06	
1990-02-06	19.52		1989-12-07	18.57	
1989-11-21	18.47		1989-10-25	17.89	
1989-10-21	18.47		1989-09-19	18.16	
1989-08-16	18.77		1989-07-07	18.33	
1989-06-01	20.10				
1989-04-24					
Note: The site was being pumped.					
1989-03-14	18.17		1989-02-07	18.14	
1989-01-04	17.62		1988-11-09	17.52	
1988-08-16	18.40		1988-08-15	17.60	
1988-07-19					
Note: The site was being pumped.					
1988-06-14					
Note: The site was being pumped.					
1988-05-18	25.60				
Note: The site had been pumped recently.					
1988-04-20	17.21		1988-03-28	17.00	
1988-02-27	17.56		1988-01-15	17.07	
1987-12-10	16.22				

C6 ENE 1/2 - 1 Mile Lower	Site ID:	38-0613	AQUIFLOW	70017
	Groundwater Flow:	SE		
	Shallow Water Depth:	17.5		
	Deep Water Depth:	18.0		
	Average Water Depth:	Not Reported		
	Date:	12/02/1994		

C7 ENE 1/2 - 1 Mile Lower	Site ID:	38-10975	AQUIFLOW	70109
	Groundwater Flow:	S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	11.8		
	Date:	03/27/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94121	23	0

Federal EPA Radon Zone for SAN FRANCISCO County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94121

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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 Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Proposed GSHP

4150 Clement Street
San Francisco, CA 94121

Inquiry Number: 3132885.6
July 25, 2011

The EDR-City Directory Abstract

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Executive Summary

Findings

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract 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 Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1910 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 332 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Haines Company, Inc.	X	X	X	-
2000	Haines & Company	-	X	X	-
1993	Pacific Bell	X	X	X	-
1990	Pacific Bell	X	X	X	-
1985	Pacific Bell	X	X	X	-
1982	R. L. Polk & Co.	X	X	X	-
1977	Pacific Telephone	X	X	X	-
1971	Pacific Telephone	X	X	X	-
1966	R. L. Polk & Co.	-	X	X	-
1962	R. L. Polk & Co.	-	X	X	-
1958	R. L. Polk & Co.	-	X	X	-
1953	R. L. Polk & Co.	-	X	X	-
1949	R. L. Polk & Co.	-	X	X	-
1944	R. L. Polk & Co.	-	X	X	-
1940	R. L. Polk & Co.	-	X	X	-
1935	R. L. Polk & Co.	-	X	X	-
1930	R. L. Polk & Co.	-	X	X	-
1925	R. L. Polk & Co.	-	X	X	-
1920	Pacific Telephone	-	X	X	-
1915	H. S. Crocker Co.	-	-	-	-
1910	H. S. Crocker Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

4150 Clement Street
San Francisco, CA 94121

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHERYLANDERSEN	Haines Company, Inc.
	CTR GIBBSVERNACMD	Haines Company, Inc.
	ENDOTOXIN	Haines Company, Inc.
	FED EMPLYS LCL PTSD RESEARCH	Haines Company, Inc.
	GENERAL	Haines Company, Inc.
	HOURIGAN James	Haines Company, Inc.
	IDIARTJulian	Haines Company, Inc.
	INF USVAMED	Haines Company, Inc.
	INFORMATION WEINERMICHAEL	Haines Company, Inc.
	JOURNAL OF	Haines Company, Inc.
	MARMARCHARLES	Haines Company, Inc.
	MD RAPP JOSEPHMD	Haines Company, Inc.
	NATL FDRTN OF	Haines Company, Inc.
	PEPUNSKI GARYR	Haines Company, Inc.
	PROGRAM	Haines Company, Inc.
	RATCLIFFE MARK	Haines Company, Inc.
	RESEARCH LEONPABLOMD	Haines Company, Inc.
	SARKARRMDPHD	Haines Company, Inc.
	SOMMER Rudolph	Haines Company, Inc.
	STEWART LYGIA MD	Haines Company, Inc.
	UCSF VAMC	Haines Company, Inc.
	USVAAUTO PHONE	Haines Company, Inc.
1993	-10 L SULLIVAN MICHAEL J	Pacific Bell
	-116 BLOCK ARNOLD	Pacific Bell
	CHERYL ANDERSEN-SORENSEN CHILDCARE CENTER	Pacific Bell
	DALY CONSTRUCTION INC	Pacific Bell
	MCSPi COMPUTER LINE	Pacific Bell
	NATIONAL FEDERATION OF FEDERAL EMPLOYEES	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	PARR ENID	Pacific Bell
	STEWART DEMITRI	Pacific Bell
	STEWART LARRY & JODIE	Pacific Bell
	SULLIVAN TIMOTHY PAUL	Pacific Bell
	UNITED STATES GOVERNMENT	Pacific Bell
	WELCH IVOR L	Pacific Bell
1990	CLARK CHAS E & LILLIAN C	Pacific Bell
	NATIONAL FEDERATION OF FEDERAL EMPLOYEES LOCAL NO	Pacific Bell
	VETERANS ADMINISTRATION HOSPITAL	Pacific Bell
1985	NATIONAL FEDERATION OF FEDERAL EMPLOYEES LOCAL NO1	Pacific Bell
	V A & A FEDERAL CREDIT UNION	Pacific Bell
	CLARK CHAS E & LILLIAN C	Pacific Bell
	FOYE LAWRENCE DR	Pacific Bell
1982	U S Army Fort Miley	R. L. Polk & Co.
	U S Veterans Admn Hosp	R. L. Polk & Co.
1977	U S ARMY-FORT MILEY	Pacific Telephone
	U S VETERANS AD-N HOEP	Pacific Telephone
1971	ANDERSON FRANK	Pacific Telephone
	BARUTI JOSEPH	Pacific Telephone
	BRANOBORG LLOYD L	Pacific Telephone
	CLARK ELBERT	Pacific Telephone
	DE DORCUS	Pacific Telephone
	GONZALES CARMEN	Pacific Telephone
	GRONAS JOHN	Pacific Telephone
	KER ST KARL	Pacific Telephone
	LUCAS PEGGY D	Pacific Telephone
	MARCH HAROLD W	Pacific Telephone
	NELSON RICHD	Pacific Telephone
	NELSON ROBT	Pacific Telephone
	ROBINSON DANIEL	Pacific Telephone
	SANDERSON RICHG	Pacific Telephone
	U S ARMY-FORT RILEY	Pacific Telephone
	U S VETERANS ADMN HOSP	Pacific Telephone
VALDEZ APLINARIO	Pacific Telephone	

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

40TH

418 40TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	HARRY MAY R (WID R S)H	R. L. Polk & Co.

40TH AVE

400 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GHERMANCharles	Haines Company, Inc.
1985	GHERMAN CHAS R DR	Pacific Bell
1982	Gherman Charles R	R. L. Polk & Co.
1977	GHERSAN CHARLE R	Pacific Telephone
1971	GHE RAN CHARLES R	Pacific Telephone
1966	HIRTEN JOHN E	R. L. Polk & Co.
1962	P OVlch Mary M Mrs SKI 8091	R. L. Polk & Co.
1958	Ahlilott Ediwin R f U & SK Chittick Johins Wa BA	R. L. Polk & Co. R. L. Polk & Co.
1953	Abblo U 13333w Peshon Catll J Mrs EV	R. L. Polk & Co. R. L. Polk & Co.
1949	ABBOTT EDW R INS	R. L. Polk & Co.
1944	R540 3J THEO (SUSAN) H	R. L. Polk & Co. R. L. Polk & Co.
1940	ABBOTT EDW B INSR540 ERLIN J THEO (SUSAN)H	R. L. Polk & Co. R. L. Polk & Co.
1935	ABR EDWIN R INS AGTR419 ERIN J THEO (SUSAN)H	R. L. Polk & Co. R. L. Polk & Co.
1930	ABBOTT ED R (AMER INS AGENCY)R ERLIN J THEO (SUSAN) MAR J THEO TRLI OOH	R. L. Polk & Co. R. L. Polk & Co.
1925	ELIDWIN II WITLI OLDS & STOLLOR CORP R ERLN J THEO MFRS AGT	R. L. Polk & Co. R. L. Polk & Co.
1920	ABBOTT E R R ERLIN MRSJ THE R	Pacific Telephone Pacific Telephone

FINDINGS

401 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Schoenberger Eug EV	R. L. Polk & Co.

403 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Lurmann M Grace MrsR33t	R. L. Polk & Co.

405 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Mc Farland Virgil L SK 229 G	R. L. Polk & Co.

406 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Hilss Wm AR EV	R. L. Polk & Co.

407 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GRESH Stephen	Haines Company, Inc.
2000	XXXX	Haines & Company
1982	Vacant	R. L. Polk & Co.
1977	(N) COLENS STEPH E	Pacific Telephone
1971	SCHMEECKLE DRA	Pacific Telephone
1966	PAPAJEWSKY FRITZ	R. L. Polk & Co.
1962	Vacant	R. L. Polk & Co.
1953	Co 113 Iron Arwlinboih A	R. L. Polk & Co.
	Turner Francis Ho SK	R. L. Polk & Co.
1949	KORN ROBT H (THELMA)H	R. L. Polk & Co.
1944	KORN ROBT H (THELMA W) USNH	R. L. Polk & Co.
	KORN ROBT (THELMA) USNH	R. L. Polk & Co.
1940	KORN THLEMA ELK F W WOOLWORTH COR	R. L. Polk & Co.
	KORN ROBT H (THELMA) ELKH	R. L. Polk & Co.
1935	KORN ROBT H (THELMA) ELKH	R. L. Polk & Co.
	SAML B H	R. L. Polk & Co.
1930	MORTIMER SAM B (MILDRED) ELKH	R. L. Polk & Co.

408 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Hthnino J 100 T	R. L. Polk & Co.

FINDINGS

409 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Douglas Harry C 2 A	R. L. Polk & Co.

410 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Sweeney Oliver W SK	R. L. Polk & Co.

411 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	KOROSIEndre	Haines Company, Inc.
	WHITE Elmer	Haines Company, Inc.
2000	WHITE Irene 415 B	Haines & Company
	WHITE Elmer	Haines & Company
	OKOROSIEndre	Haines & Company
1990	WHITE ELMER & IRENE	Pacific Bell
	KOROSI ENDRE	Pacific Bell
1985	WHITE ELMER & IRENE	Pacific Bell
	KOROSI ENDRE	Pacific Bell
1982	Korosi Andre	R. L. Polk & Co.
	White Irene Mrs	R. L. Polk & Co.
1977	KROUI EADRS	Pacific Telephone
1971	KA ROSI ENCRE	Pacific Telephone
1966	MERSMANN HARRY J	R. L. Polk & Co.
1962	Deane Grace Mrs SKI 2787	R. L. Polk & Co.
1958	Campus Jean A EV	R. L. Polk & Co.
1953	Iritgght Maty It Mre	R. L. Polk & Co.
	Bowler Mihlil J BA	R. L. Polk & Co.
1949	EATON MARVIN B (LILLIAN)H	R. L. Polk & Co.
1944	EATON MARVIN B (LILLIAN)H	R. L. Polk & Co.
1940	UNDERDAHL JOS H (CLARA) ADJUDICATION OFER VAH	R. L. Polk & Co.
1935	CHAS A (CLARA) BR MGR ASSOCIATED OIL CO H	R. L. Polk & Co.

412 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Huvane Patlkif EV	R. L. Polk & Co.

FINDINGS

414 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Bash John H SK	R. L. Polk & Co.

415 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BOBBIT Herbert	Haines Company, Inc.
2000	BOBBITTDJ 415 38 S	Haines & Company
	BOBBITT 0 Herbert S	Haines & Company
1990	BOBBITT HERBERT S & D J	Pacific Bell
1985	BOBBITT HERBERT S & D J	Pacific Bell
1982	Bobbitt Herb S	R. L. Polk & Co.
1977	BABBITT HERB S	Pacific Telephone
1971	NO RETURN	Pacific Telephone
1966	BOBBITT HERBERT S EV	R. L. Polk & Co.
1962	Bobbitt Herbert S EV	R. L. Polk & Co.
1958	Boblitt Herbert S	R. L. Polk & Co.
1953	Goledsclmidt Martin Eig BA	R. L. Polk & Co.
	Goi Jldolein 13oriier 3t fl VII38t	R. L. Polk & Co.
1949	BOBBITT HERBERT S (DOROTHY J) H	R. L. Polk & Co.
1944	BAUER FREDK K (ELIZ W) ACCTH	R. L. Polk & Co.
1940	BAUEB KARL (BELIZ) OEC MGR H D MAXWELLH	R. L. Polk & Co.
	EDGERS CORA N (WID E B)R	R. L. Polk & Co.
1935	MCOLISH JOHN M (GEORGIA) DENTISTR719	R. L. Polk & Co.
1930	LELAND H SLSMNR	R. L. Polk & Co.
	JOHN M (GEORGIA) DENTISTR719	R. L. Polk & Co.

416 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Elkins Lena Mrs EV	R. L. Polk & Co.
1925	HAROLD JOS R ELKH	R. L. Polk & Co.

417 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Sabin Victor Hi	R. L. Polk & Co.

418 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NAKAMURARuby	Haines Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	SNAKAMURAR	Haines & Company
1990	NAKAMURA HATOE	Pacific Bell
	NAKAMURA JUNICHI ED	Pacific Bell
1985	NAKAMURA HATOE	Pacific Bell
	NAKAMURA JUNICHI ED	Pacific Bell
1982	Nakamura Hatoe	R. L. Polk & Co.
1977	NAKARURA JUN-CHI	Pacific Telephone
1971	NAKAPURA JUNICHI E B	Pacific Telephone
1966	NAKAMURA JUNICHI E	R. L. Polk & Co.
1962	Nakamura Junichi L B BAI 7639	R. L. Polk & Co.
1958	Lewis Jackt E & EV	R. L. Polk & Co.
1953	haight May R Mrs	R. L. Polk & Co.
1944	H	R. L. Polk & Co.
1940	HAIGHT ROBT F (MAY R) SLSMN S D HOUGHTELINH	R. L. Polk & Co.
	R	R. L. Polk & Co.
1935	HAIGHT ROBT F (MAY R) SLSMN S D HOUGHTELINH	R. L. Polk & Co.
	HAIGHT STANTON SOLR CARAPBELL- OKELL & COR	R. L. Polk & Co.
1930	R	R. L. Polk & Co.
	HAIGHT ROBT F (MAY) SLSMN S D HOUGHTELINH	R. L. Polk & Co.
1925	HAIGHT ROBT F SISMN PAC COAST PAPER COR	R. L. Polk & Co.
1920	IALCHT ROHBT F R	Pacific Telephone

419 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	e LYHan	Haines Company, Inc.
2000	SLYHan	Haines & Company
1990	LY QUANG HAN	Pacific Bell
1982	No Return	R. L. Polk & Co.
1977	NO RTURN	Pacific Telephone
1971	FLA ISCHER NINA A MRS B	Pacific Telephone
1966	GOLDSTEIN HERBERT J EV	R. L. Polk & Co.
1962	Goldstein Herbert J B EV 6 B	R. L. Polk & Co.
1958	Gldlstein Hercert J A EV	R. L. Polk & Co.
1953	Verrises Denis JCo BA	R. L. Polk & Co.
	dsmn m ne 09u 32948 rr	R. L. Polk & Co.
1949	H	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	WILLIAMS WM J (LITTIE) INSPR USCSH	R. L. Polk & Co.
1940	WM J ILOTTIE) INSPR U S CUSTOMS SERVH	R. L. Polk & Co.
1935	WILLIAMS WM J (LITTLE) INSPR U S CUSTOMSH	R. L. Polk & Co.
	WILLIAMS MILDRED M STEN FEDERAL RESERVE BANKR	R. L. Polk & Co.
1930	WM J (LETTLE) INSPR U S CUSTOMSH	R. L. Polk & Co.

420 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	f Maratsos MfemicR EV	R. L. Polk & Co.

421 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	ROGERS CHAS DH	R. L. Polk & Co.

423 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Crane Frank E BA	R. L. Polk & Co.

424 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc.
2000	MANOQUERRAManna	Haines & Company
1982	Manoguerra Peter	R. L. Polk & Co.
1977	MANOQUERR PETER	Pacific Telephone
1971	IANOQUERRA PETER B	Pacific Telephone
1966	MANOQUERRA PETER	R. L. Polk & Co.
1962	Manoguerra Peter B SKI 2221	R. L. Polk & Co.
1958	Mani Olerra Peter	R. L. Polk & Co.
1953	Baum Peter SK	R. L. Polk & Co.
	Mainlglorro Pater	R. L. Polk & Co.
1949	LOMBARDI EMILY BR	R. L. Polk & Co.
	JARED LOUIS B (MILDRED L) HOD CARRIERH	R. L. Polk & Co.
1944	THOMAS JESSE H (WILLA) INSPR SDAH	R. L. Polk & Co.
	THOMAS JESSE H (WILLA) INSPR SDAH	R. L. Polk & Co.
1940	DUNCAN HARRY C (DOROTHY H) STATISTICIAN PT&TCOH	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	AVELLO LOUIS J (BLASA) LABH	R. L. Polk & Co.
1925	CLUXTON JOHN J (PAULINE V) MGR PANTAGES THEATREH	R. L. Polk & Co.
1920	CLXTONJOHNJ R	Pacific Telephone

425 40TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	YEE Russell	Haines Company, Inc.
2000	YEERussell B	Haines & Company
1990	YEE RUSSELL B	Pacific Bell
1985	YEE RUSSELL B	Pacific Bell
1982	Yee Russell B	R. L. Polk & Co.
1977	YEN RO ME B D	Pacific Telephone
1971	YAS FUSSELL B E	Pacific Telephone
1966	EYEE RUSSELL B EV	R. L. Polk & Co.
1962	Yee Russell B EVG 6269	R. L. Polk & Co.
1958	Borden Harry I 7 EV	R. L. Polk & Co.
1953	lifirdon III Irrv I OA EV	R. L. Polk & Co.
1949	ARENS ALBT LR	R. L. Polk & Co.
	ARENS LINDA BEAUTY OPRH	R. L. Polk & Co.
	ARENS MARIE L SLSWN HALE BROSR	R. L. Polk & Co.
1944	ARENS LINDAH	R. L. Polk & Co.
1940	PALMER MARY A (WID P E)H	R. L. Polk & Co.
	ROONY WM B ACCT SNYDER BROS KNITTING MILLS R	R. L. Polk & Co.
1935	PALMOS MARYALICE MRSH	R. L. Polk & Co.
	ROOP JOCK P SLSMNR	R. L. Polk & Co.
	ROOP WM B ELKR	R. L. Polk & Co.
	THURSTON LILLIAN MRSR	R. L. Polk & Co.
1930	PALMER PAUL E J (MARYALICE) SLSMN H	R. L. Polk & Co.

40TH ST

419 40TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	WIIJIAMS RITAR	R. L. Polk & Co.

FINDINGS

41ST

406 41ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	CLARENCE M (CDITH) ACCT H	R. L. Polk & Co.

447 41ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	ROBT H (SANITARY DIAPER SERVICE) R	R. L. Polk & Co.

41ST AVE

401 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o BERMEJOTomas	Haines Company, Inc.
2000	BERMEJOTrras	Haines & Company
1990	DOWNS GEO R	Pacific Bell
1985	DOWNS GEO R	Pacific Bell
1982	Downs Geo R	R. L. Polk & Co.
1977	DO-N GEO R	Pacific Telephone
1971	DOWNS E	Pacific Telephone
1966	DOWNS GEO R	R. L. Polk & Co.
1962	Downs Geo R F SKI 0250	R. L. Polk & Co.
1958	Wriiglit Lawrence B A EV	R. L. Polk & Co.
1953	Wright Lawrence BID EV	R. L. Polk & Co.
1949	SWITHENBANK CHAS E (MARY K)H	R. L. Polk & Co.
1944	DAVIS WM J (RUTH A) USA (DAVIS REALTY CO) H	R. L. Polk & Co.
1940	DAVIS WM J (RUTH A) REAL EST	R. L. Polk & Co.
1935	DAVIS WM I (RUTH A) (DAVIS & DUNN) H	R. L. Polk & Co.
1930	CONSTANTEN NICHOLAS (JULIA)H	R. L. Polk & Co.

406 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GALEANO Janet	Haines Company, Inc.
2000	OGALEANOJanet	Haines & Company
1985	DONOVAN MARK	Pacific Bell
1982	Carrol Robert K	R. L. Polk & Co.
1977	GREGORIAN NOEL	Pacific Telephone
1971	VAN METER PAUL	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	GREGORIANTE NOEL	R. L. Polk & Co.
1962	Giddens Clarence M F EV	R. L. Polk & Co.
1958	Giddlens Clarence M A EV	R. L. Polk & Co.
1953	Giddans Clarence MID 1 EV	R. L. Polk & Co.
1949	GIDDENS CLARENCE M (EDITH Z) ELKH	R. L. Polk & Co.
1940	GIDDENS JEAN E ELK PRUDENTIAL INS COR	R. L. Polk & Co.
	GIDDENS CLARENCE M (EDITH) BKPRH	R. L. Polk & Co.
1935	HOWARD SLSMN SINGER SEWING MACH COR	R. L. Polk & Co.
	IRWIN H MH	R. L. Polk & Co.
1930	HILL FRANK C (FAY) BELLMNH	R. L. Polk & Co.

407 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BOWLER Michael	Haines Company, Inc.
2000	BOWLER Michaa I	Haines & Company
1982	Winn Dean	R. L. Polk & Co.
1977	NO RETURN	Pacific Telephone
1971	VACANT	Pacific Telephone
1966	VACANT	R. L. Polk & Co.
1962	Ward Rot E BAI 5330	R. L. Polk & Co.
1958	Ward Robt E A BA	R. L. Polk & Co.
1953	Ward Robt E BA	R. L. Polk & Co.
1949	VAN DOUGLAS (VIRGINIA G)H	R. L. Polk & Co.
1944	SEIGER N S MRS NURSEH	R. L. Polk & Co.
1940	PHILLIP J (MARJORIE) WITH SWETT & CRAWFORD H	R. L. Polk & Co.
1935	GRACE D ELK WPRRCO R	R. L. Polk & Co.
1930	H	R. L. Polk & Co.

410 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a GRIFFIN Lisa	Haines Company, Inc.
1985	URQUHART J L	Pacific Bell
1982	Urquart Della L Mrs	R. L. Polk & Co.
1977	URQUART DELIA L MR	Pacific Telephone
1971	URA UHART JOHN L	Pacific Telephone
1966	URQUHART JOHN L	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Urquhart John L B EV	R. L. Polk & Co.
1958	Urtriliart John L A EV	R. L. Polk & Co.
1953	Jrqiulbart John LID EV	R. L. Polk & Co.
1949	URQUHART JOHN L (DELLA L)H	R. L. Polk & Co.
1944	URQUHART JOHN L (DELIA L) ASSOCIATE MGR FAIRMONT HOTELH	R. L. Polk & Co.
1940	URQUHART JOHN L (DELLA L) ASST MGR FAIRMONT HOTELH	R. L. Polk & Co.
1935	R	R. L. Polk & Co.
	H	R. L. Polk & Co.
1930	URQUHART JOHN L (DELLA) ELK H	R. L. Polk & Co.

411 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o PAPARAZoe	Haines Company, Inc.
	Nikolat	Haines Company, Inc.
	KRISHPINOVICH	Haines Company, Inc.
2000	PRIZEMINYun	Haines & Company
	KRISHPINOVICS	Haines & Company
1982	Krishpinovich Serafhim	R. L. Polk & Co.
1977	KRIAHPINOVICH SERAFIIM	Pacific Telephone
1971	KRYSZPYNOWYCZ SERAFIN A	Pacific Telephone
1966	KRYSZPYNOWYCZ SERAFIN	R. L. Polk & Co.
1962	Dmitrieff Boris N F EV	R. L. Polk & Co.
1958	Diiiltrieff Boris N A EV	R. L. Polk & Co.
1953	Moran Geo GID EV	R. L. Polk & Co.
1949	PETERSEN JOHANNA MRSH	R. L. Polk & Co.
1944	KURPIESKI LILLIAN K WRAPPER FRANK WERNER COR	R. L. Polk & Co.
	KURPIESKI ANTHONY (PHYLLIS) ELEC ENGH	R. L. Polk & Co.
1940	DIARD HENRY N (MIGNON) SHOP SUPT H T GETTINS COH	R. L. Polk & Co.
1935	NEVIN MYRON R (CECIL) ASST MGR STANDARD OIL BLDGH	R. L. Polk & Co.
1930	NEVIN MYRON R (CECIL) ASST MGR SOCOH	R. L. Polk & Co.

412 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	GRIFFINLa a	Haines & Company

FINDINGS

414 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o BERONDORey	Haines Company, Inc.
2000	GENITRY Jae	Haines & Company
1993	QUANICO MR & MRS JAMES	Pacific Bell
1982	Quanico Isabelo	R. L. Polk & Co.
1977	QUANICO IUBELO	Pacific Telephone
1971	OUANICO ISABELO	Pacific Telephone
1966	QUANICO ISABELO	R. L. Polk & Co.
1962	Garriott Margt Mrs F EV	R. L. Polk & Co.
1958	Garriott Margt Mrs R3 A EV	R. L. Polk & Co.
1953	Stevens Paul ESD SK	R. L. Polk & Co.
1949	STAFF PAUL E (LOLA L) UNIFORM MFR	R. L. Polk & Co.
1944	H	R. L. Polk & Co.
1940	JONES THOS D ELKR EDWINA R	R. L. Polk & Co. R. L. Polk & Co.
1935	JONES THOS D (VIRGINIA) CASH HOBBS WALL & COH	R. L. Polk & Co.

417 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FONGWaverly VUONGThanh Huu	Haines Company, Inc. Haines Company, Inc.
2000	OFONGWavcey	Haines & Company
1993	VUONG THANH HUU	Pacific Bell
1990	VUONG THANH HUU	Pacific Bell
1985	BONDAR ARON	Pacific Bell
1982	Meyer Geo H	R. L. Polk & Co.
1977	MEYER GEO H	Pacific Telephone
1971	MEYER 9 E 8 H	Pacific Telephone
1966	MEYER GEO H	R. L. Polk & Co.
1962	Meyer Geo H F EV	R. L. Polk & Co.
1958	Meyer Geo H 83 A EV	R. L. Polk & Co.
1953	Meyer Gao H 19 EV	R. L. Polk & Co.
1949	MEYER GEO H JR (VICTORIA) AUD BOARD OF TRADE OF SFH	R. L. Polk & Co.
1944	GEO H JR (VICTORIA) AUD BD OF TRADE S F H	R. L. Polk & Co.
1940	MEYER GEO H IR (VICTORIA) CASH BOARD OF TRADE OF S FH	R. L. Polk & Co.
1935	AINBINDER MICHL W (IRENE) PRINTER	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	HILIP HH	R. L. Polk & Co.

418 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	KINRED FRED (FLORENCE) CARPH	R. L. Polk & Co.

420 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines & Company
1982	Sutcliffe June A Mrs	R. L. Polk & Co.
1977	SUTCLIFFE JUNE A MR	Pacific Telephone
1971	SUTCLIFFE JUNE A MRS B	Pacific Telephone
1966	SUTCLIFFE JUNE A MRS	R. L. Polk & Co.
1962	Sutcliffe Ralph J F BAI 4415	R. L. Polk & Co.
1958	Sittcliffe Ripli J R3 A BA	R. L. Polk & Co.
1953	Sutcliffe Ralph JI BA	R. L. Polk & Co.
1949	SUTCLIFFE RALPH J (JUNE A) EMP DC&HCOH	R. L. Polk & Co.
	SUTCLIFFE CLAIRE L TYPISTR	R. L. Polk & Co.
1944	SUTCLIFFE RALPH WITH DC&HCOR	R. L. Polk & Co.
	SUTCLIFF RALPH J (JUNE A)H	R. L. Polk & Co.
1940	SUTCLIFFE RALPH J (JUNE A) WITH DC&HCOH	R. L. Polk & Co.
1935	SUTCLIFFE RALPH J (JUNE A) GUARD VETERANS ADMINISTRATION FACILITYH	R. L. Polk & Co.

421 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BECNELJ	Haines Company, Inc.
	BECNELJeanne	Haines Company, Inc.
2000	BECNELJ	Haines & Company
	CHAT 6 ANCA	Haines & Company
1990	BECNEL ROALD J	Pacific Bell
1985	BECNEL RONALD J	Pacific Bell
1982	Becnel Ronald J	R. L. Polk & Co.
1977	BECOEL RONALD J	Pacific Telephone
1971	B 5 CNEL RONALD J	Pacific Telephone
1966	STEELE ESTELLE C MRS	R. L. Polk & Co.
1962	Steele Estelle C Mrs F BAI 4757	R. L. Polk & Co.
1958	Steele Estell C Mrs R3 A BA	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1953	Steele Robt Jnu BA	R. L. Polk & Co.
1949	STEELE ROBT J IR WITH APLH	R. L. Polk & Co.
	H	R. L. Polk & Co.
1944	H	R. L. Polk & Co.
1940	STEELE ARTH E WHSMNR	R. L. Polk & Co.
	LENORE M TEL OPR R	R. L. Polk & Co.
	STEELE ROBT J (ESTELLA C) EMBROIDERYR221	R. L. Polk & Co.
	STEELE ROBT J JRR	R. L. Polk & Co.
1935	STEELE LENORE M ELKR	R. L. Polk & Co.
	STEELE ROBT J (ESTELLE C) PLEATING	R. L. Polk & Co.
	STEELE ROBT J JR CLKR	R. L. Polk & Co.
1930	LEANORD JOHN A (OATH) U S CUSTOMSH	R. L. Polk & Co.
	R	R. L. Polk & Co.
	MCTTGTM L STENR	R. L. Polk & Co.

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	ODELEUSEJean	Haines & Company
1982	Martirosian Vatche	R. L. Polk & Co.
1977	ALASY LAO	Pacific Telephone
1971	DELEUSE JOHN F	Pacific Telephone
1966	DELEUSE JOHN F	R. L. Polk & Co.
1962	Deleuse John F F SK	R. L. Polk & Co.
1958	Delublse John F R3 A SK	R. L. Polk & Co.
1953	Ma Cbesney Ray ba	R. L. Polk & Co.
1949	MCCHESNEY RAY (JEAN) MGR AM OPTICAL CO AND R MOHR & SONSH	R. L. Polk & Co.
1944	H	R. L. Polk & Co.
	MCCHESNEY RAY A (JEAN) MGR R MOHR & SONSH	R. L. Polk & Co.
1940	MCCHESNEY RAY A (JEAN) MGR R MOHR & SONSH	R. L. Polk & Co.
	PI JOSR	R. L. Polk & Co.
1935	MACCHESNEY RAY (JEAN) SLSMN R MOHR & SONSR	R. L. Polk & Co.
	MCCHESNEY RAYMOND (JENNIE) OPTICIANH	R. L. Polk & Co.
	REZNIK JOSH	R. L. Polk & Co.
1930	H	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	REZNIK JOSR	R. L. Polk & Co.

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<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	RODRIGUEZ Jose	Haines & Company
1982	Rodriguez Jose J	R. L. Polk & Co.
1977	RODRIGUEN JOE J	Pacific Telephone
1971	RODRIGUEZ JOSE L	Pacific Telephone
1966	RODRIGUEZ JOSE J	R. L. Polk & Co.
1962	Rodirguez Jose J SK	R. L. Polk & Co.
1958	Rodriguez Jose J A SIC	R. L. Polk & Co.
1953	Engeltfied F Ca BA 1158 S	R. L. Polk & Co.
1949	ENGELFRIED JOHN R	R. L. Polk & Co.
	ENGELFRIED FRED M (BETTY L) DR BDDCO H	R. L. Polk & Co.
	ENGELFRIED DONALD W R	R. L. Polk & Co.
1944	ENGELFRIED FREDK C (BETTY) DRIVER BDDCO H	R. L. Polk & Co.
1940	ENGELFRIED FRED C (BETTY) DRIVERH	R. L. Polk & Co.
1935	SMITH EARL JH	R. L. Polk & Co.
1930	SMITH EARL J (LOIS C) (C W SINITH & SON)H	R. L. Polk & Co.

431 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MATULA Em	Haines Company, Inc.
	STGERMAINE	Haines Company, Inc.
	Dorothy	Haines Company, Inc.
2000	MATULA Jules P	Haines & Company
	STGERMAINE Oorolhy 415 B	Haines & Company
1993	MATULA JULES P	Pacific Bell
1990	MATULA JULES P	Pacific Bell
1985	MATULA JULES P	Pacific Bell
1982	Matula Jules P	R. L. Polk & Co.
1977	MATLA JULES P (R)0	Pacific Telephone
1971	PATULA JULES P B	Pacific Telephone
1966	MATULA JULES P	R. L. Polk & Co.
1962	Matula Jules P F BAI 3647	R. L. Polk & Co.
1958	Lymiin Arti A BA	R. L. Polk & Co.
1953	Lyman Arthb BA	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	LYMAN YALE M CLKR	R. L. Polk & Co.
	ALFD (GEORGIA) MILLWRTR	R. L. Polk & Co.
	FREDA CLK ARTH LYMANR	R. L. Polk & Co.
1944	KIRCHOFF FREDA P NURSER	R. L. Polk & Co.
	H	R. L. Polk & Co.
1940	KIRCHHOFF FREDA NURSER	R. L. Polk & Co.
	LYMAN ARTH (GERTRUDEL GRO	R. L. Polk & Co.
1935	R	R. L. Polk & Co.
	KIRCHHOFF FREDA HSKPR	R. L. Polk & Co.
	CRAMER DORA ELKR	R. L. Polk & Co.
	R	R. L. Polk & Co.
1930	LIMON ARTH (GERTRUDE) GRO	R. L. Polk & Co.
	LYMAN ARTH (MARIE) SLSMNH	R. L. Polk & Co.

437 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEEWelman	Haines Company, Inc.
2000	LEEWdlman	Haines & Company
1993	LEE WELLMAN	Pacific Bell
1982	Walsh Mary C Mrs	R. L. Polk & Co.
1977	WALAH MARY C MR	Pacific Telephone
1971	WALSH THOS B	Pacific Telephone
1966	WALSH THOS	R. L. Polk & Co.
1962	Walsh Thos F EV	R. L. Polk & Co.
1958	Walstl Tihos A EV	R. L. Polk & Co.
1953	Walsl T KV	R. L. Polk & Co.
1949	OSPINA WALTER A (HAMBY T) PHARIM SRRRA GREENBERGH	R. L. Polk & Co.
	OSPINA WALTER A JR ESTIMATORR	R. L. Polk & Co.
1944	OSSENBERG WALTER A (HAMBY D) ASST BR MGR OWL DRUG COR	R. L. Polk & Co.
1940	GAUGHAN JAS G (ANNA S) MGR REO SALES CORPH	R. L. Polk & Co.

441 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	YEE Stephen	Haines Company, Inc.
2000	YEEStephen	Haines & Company
1993	YEE STEPHEN	Pacific Bell
	ZHANG XUE XLN	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	YEE FONG MEE	Pacific Bell
1985	YEA FONG MEE	Pacific Bell
	PON STEVE	Pacific Bell
1982	Yee Fong Mee	R. L. Polk & Co.
1977	VACANT	Pacific Telephone
1971	PASA KAREL B	Pacific Telephone
1966	PASA MARY P	R. L. Polk & Co.
1962	Phillip Mary Mrs F SKI 2955	R. L. Polk & Co.
1958	Illilip Mary Mrs R3 A 18 SK	R. L. Polk & Co.
1953	Phillip Mtay Mrs ID	R. L. Polk & Co.
1949	PHILLIPS MARY MRS SMSTRSH	R. L. Polk & Co.
	PETER RUTHE M SERV REP PT&TCOR	R. L. Polk & Co.
	PETERSEN ESTHER NURSE A J MCDOWELLR	R. L. Polk & Co.
1944	PHILLIPS MARY (WID ANGELO) SMSTRS O CONNOR MOFFATT & COH	R. L. Polk & Co.
1940	SUNDERHAUF BEULAH T ELK EARLE C ANTHONYR	R. L. Polk & Co.
	SUNDERHAUF RALPH J (BEULALL) STOCK TRANSFER AGE RL-NPSECDIR ITALO PETROLEUM	R. L. Polk & Co.

447 41ST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HAGINICOLS Chales	Haines Company, Inc.
	GIBSONB	Haines Company, Inc.
2000	HAI INICOLSChar Its	Haines & Company
	GIBSONB	Haines & Company
1990	GIBSON B A	Pacific Bell
1985	GIBSON BA	Pacific Bell
1982	Dacey Jack	R. L. Polk & Co.
1977	CREDERSA LOULI	Pacific Telephone
1971	CREDERAS LOUIS B	Pacific Telephone
1966	CREDERAS LOUIS	R. L. Polk & Co.
	LEVINE SAM	R. L. Polk & Co.
1962	Crederas Louis F BAI 8569	R. L. Polk & Co.
1958	Croderas Louis A BA	R. L. Polk & Co.
1953	Crederas Louis ID BA	R. L. Polk & Co.
1949	CEDERAS LOUIS MERCINAL H	R. L. Polk & Co.
1944	R	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	CREDERAS MERSINA MRS SNSTRS O CONNOR MOFFATT & COR	R. L. Polk & Co.
	CREDERAS LOUIS (MERSINA)H	R. L. Polk & Co.
1940	WHITING RICHD N (SANITARY DIAPER SERVICE)R	R. L. Polk & Co.
	WHITING HAROLD R (ERNESTINE W) ASST ENG PG&ECOH	R. L. Polk & Co.
	WHITING HAROLD R (SANITARY DIAPER SERVICE)R	R. L. Polk & Co.

42ND AVE

400 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LASSEN HAHNE Kathy HAHNEFrederick	Haines Company, Inc. Haines Company, Inc. Haines Company, Inc.
1993	HAHINE FREDERICK & KATHY	Pacific Bell
1990	HAHNE FREDERICK & KATHY	Pacific Bell
1985	HAHNE FREDERICK & KATHY	Pacific Bell
1982	Kawamura Takeo	R. L. Polk & Co.
1977	(N) STOPEA ARTHUR C	Pacific Telephone
1971	PESHON CATH J MRS	Pacific Telephone
1966	PESHON CATH J MRS EV	R. L. Polk & Co.
1962	Peshon Cath J Mrs HE	R. L. Polk & Co.
1958	Peslion Catlh J Mrs Ag A EV	R. L. Polk & Co.
1949	PESHON CATH J (WID H A) STENR PESHON HARRY A JRR STAMBUCK MARGT A MRSR	R. L. Polk & Co. R. L. Polk & Co. R. L. Polk & Co.
1944	PESHON CATH J MRS CLKH PESHON HARRY A CHAINMN PUNNETT PAREZ & HUTCHISONR	R. L. Polk & Co. R. L. Polk & Co.
1940	PESHEN FATTH J MRS ELKH	R. L. Polk & Co.
1935	CARROLL WALTER J (ESTELLE M) REAL ESTR901	R. L. Polk & Co.
1930	FINCHLEY HIERBT W SLSMN M B CUTLER R	R. L. Polk & Co.

401 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VANDENBERG John	Haines Company, Inc.
2000	VANDENBERGJohn	Haines & Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	VANDENBERG JOHN	Pacific Bell
1990	VANDENBERG JOHN	Pacific Bell
1985	VANDENBERG JOHN	Pacific Bell
1982	Vandenberg John	R. L. Polk & Co.
1977	VANDENBERG JOHN	Pacific Telephone
1971	MEDEIROS DAVID V	Pacific Telephone
1966	MARLOWE JOE F B	R. L. Polk & Co.
1962	Duke low Wm R H SK	R. L. Polk & Co.
1958	Dint Leonella	R. L. Polk & Co.
1949	CLARK CAROLYN S WITH CHILDREN S HOSPR	R. L. Polk & Co.
	STANTLEY A H	R. L. Polk & Co.
1944	R	R. L. Polk & Co.

403 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines & Company
1982	Pannos Geo T	R. L. Polk & Co.
1977	BANG BEVERLY B	Pacific Telephone
1971	EP 5 S WM J	Pacific Telephone
1966	EPES WM J EV	R. L. Polk & Co.
1962	Epes Wm J EV	R. L. Polk & Co.
1958	Epes Wie J 3 B RV	R. L. Polk & Co.
1949	LURMANN MARY G (WID F W)H LURMANN PAUL FR	R. L. Polk & Co. R. L. Polk & Co.

405 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WIERW	Haines Company, Inc.
2000	OGONIOMIIa	Haines & Company
1982	Handa Kenzo	R. L. Polk & Co.
1977	NO RETURN	Pacific Telephone
1971	PAVEL JOHN S	Pacific Telephone
1966	JOOKOFF LEO P	R. L. Polk & Co.
1962	Mc Farland Virgil L SK	R. L. Polk & Co.
1958	Mc Farland Virgil L A SK	R. L. Polk & Co.
1949	TURNER HAROLD R (MAE) ENGH	R. L. Polk & Co.

FINDINGS

406 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1982	Leung Gloria L	R. L. Polk & Co.
1977	LAUNG GLORIA L	Pacific Telephone
1971	BARRETT LEO E	Pacific Telephone
1966	BARRETT LEO E EV	R. L. Polk & Co.
1962	Barrett Leo E H EV	R. L. Polk & Co.
1958	Barrett Leo E Rn A EV	R. L. Polk & Co.
1949	HILBTROM WM A (MARGT)H	R. L. Polk & Co.
1944	HAINDS JAS A (BETTINA)H	R. L. Polk & Co.
1940	H	R. L. Polk & Co.
	R	R. L. Polk & Co.
1935	FLYNN JOHN J (BERNICE S) INVR702	R. L. Polk & Co.

407 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc.
2000	LANIERRick	Haines & Company
	SNYDER Greg	Haines & Company
1993	SNYDER GREG	Pacific Bell
1982	Ho Stephanie	R. L. Polk & Co.
1977	NO RETURN	Pacific Telephone
1971	ZAPOLSKY GEO	Pacific Telephone
1966	EVANS LAWRENCE J	R. L. Polk & Co.
1962	Prine John R SKI	R. L. Polk & Co.
1958	Prilie John R a SK	R. L. Polk & Co.
1949	TURNER FRANCIS H (BARBARA A) PLMBRH	R. L. Polk & Co.

409 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NOHRNBERGJohn	Haines Company, Inc.
2000	HALLDantd	Haines & Company
	HALLDeasa	Haines & Company
1993	PAHKALA OTTO	Pacific Bell
1990	PAHKALA OTTO	Pacific Bell
1985	PAHKALA OTTO	Pacific Bell
1982	Pahkala Otto	R. L. Polk & Co.
1977	PAHKALA OTTO	Pacific Telephone
1971	WHITTY ADA M	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	WHITTY A M	R. L. Polk & Co.
1962	Vacant	R. L. Polk & Co.
1958	Holie Gerald A SK	R. L. Polk & Co.
1949	WHEELER DAVID W (ELLEN J) SLSMN RICKMAN-LEE COH	R. L. Polk & Co.
	BARANOW JOHN H MSNGR AM EXP COR	R. L. Polk & Co.

410 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o SPENCEGlen	Haines Company, Inc.
2000	SSORROUGHJame	Haines & Company
1982	Sorrowh Gail L	R. L. Polk & Co.
1977	RICHARDS MARY E MR	Pacific Telephone
1971	RICHARDS MARY E MRS	Pacific Telephone
1966	RICHARDS MARY E MRS SK	R. L. Polk & Co.
1962	Richards Mary E Mrs SK	R. L. Polk & Co.
1958	Richards Mary E Mrs a SK	R. L. Polk & Co.
1949	UNDERDAHL JOS H (CLARA)H	R. L. Polk & Co.
1944	UNDERDAHL JOS H (CLARA J) ADJUDICATION OFCR VETERANS ADMINH	R. L. Polk & Co.
1940	BERNS ALF ELKH	R. L. Polk & Co.
1935	POWELL I IRENE L MRS BEAUTY SHOP	R. L. Polk & Co.

411 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o HETHERINOTONBA	Haines Company, Inc.
2000	HETHERINGTONBA LOYMark	Haines & Company Haines & Company
1993	KLEIN A L	Pacific Bell
1990	KLEIN AL	Pacific Bell
1985	KLEIN A L	Pacific Bell
1982	Klein Anna Lou Mrs	R. L. Polk & Co.
1977	KLEIN ANNA L MR	Pacific Telephone
1971	KL 11 N ANNA L MRS	Pacific Telephone
1966	KLEIN ANNA MRS SK	R. L. Polk & Co.
1962	Klein Jas sk	R. L. Polk & Co.
1958	Kissinger Max a EV	R. L. Polk & Co.
1949	SWING DAVISON B (BETTY J) ENGH	R. L. Polk & Co.

FINDINGS

412 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SORROUGHJas E	Haines Company, Inc.
2000	SORROUGHJaa E	Haines & Company
1993	SORRAUGH JAS E	Pacific Bell
1990	SORROUGH JAS E	Pacific Bell
1985	SORROUGH JAS E	Pacific Bell
1982	Sorrugh James E	R. L. Polk & Co.
1977	MERKELBACH M M	Pacific Telephone
1971	MERKELBACH MATILDA MRS A	Pacific Telephone
1966	MERKELBACH WM E B EV	R. L. Polk & Co.
1962	Merkelbach Wm E EV	R. L. Polk & Co.
1958	SMerkellach Wei E A EV	R. L. Polk & Co.
1949	BROOKS MERLE V MRS STENH	R. L. Polk & Co.
	BROOKS REX ER	R. L. Polk & Co.
	R	R. L. Polk & Co.
1944	H	R. L. Polk & Co.
	R	R. L. Polk & Co.
1940	BROOKS MERLE V (WID J R) STEN V AH	R. L. Polk & Co.
	JOHNSON CARRIE (WID G D)R	R. L. Polk & Co.
1935	KING JAS FR	R. L. Polk & Co.
	NURSES RAYMOND J (DOROTHY) MFRS AGT	R. L. Polk & Co.
1930	R	R. L. Polk & Co.

414 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHANYee	Haines Company, Inc.
	e LAUKam	Haines Company, Inc.
2000	OLAUKam	Haines & Company
	LIUSmg	Haines & Company
1993	AOKI FUMI	Pacific Bell
1990	AOKI FUMI	Pacific Bell
1985	RAILS E	Pacific Bell
	DONAHUE A	Pacific Bell
1982	Jones Jim	R. L. Polk & Co.
1977	JONES JIM	Pacific Telephone
1971	VACANT	Pacific Telephone
1966	MOHR ELFRIEDE MRS SK	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Mohr Elfriede Mrs SK	R. L. Polk & Co.
1958	Busih Jolhni H A SK	R. L. Polk & Co.
1949	R	R. L. Polk & Co.
	BUSH JOHN H (ROSEMARY)H	R. L. Polk & Co.
1944	NORMAN D (CATH) BARBER H	R. L. Polk & Co.
	R	R. L. Polk & Co.
1940	ZIMMERAMAN LUDDIE H NURSE V AR	R. L. Polk & Co.
1935	MUELLER OTTO MEAT CTRR	R. L. Polk & Co.

415 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	PYOChristine	Haines Company, Inc.
2000	OROMANOFFOlga	Haines & Company
1982	Romanoff Olga Mrs	R. L. Polk & Co.
1977	ROMANOFF OLGA MR	Pacific Telephone
1971	ROMANOFF OLGA MRS	Pacific Telephone
1966	ROMANOFF DMITRY G EV	R. L. Polk & Co.
1962	Romanoff Dmitry G EV	R. L. Polk & Co.
1958	Renieanoff Dnitery C A EV	R. L. Polk & Co.
1949	MARTIN E INS AGT R219	R. L. Polk & Co.
1944	H	R. L. Polk & Co.
	BONNEY FRED L REAL EST	R. L. Polk & Co.

416 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1993	ELKINS ARTHUR MRS	Pacific Bell
1990	ELKINS ARTHUR MRS	Pacific Bell
	FREED REMRS	Pacific Bell
1985	ELKINS ARTHUR MRS	Pacific Bell
	FREED R E MRS	Pacific Bell
1982	Elkins Arth	R. L. Polk & Co.
1977	ELKIOS LANA MR	Pacific Telephone
1971	ELKINS LENA MRS	Pacific Telephone
1966	ELKINS LENA MRS B EV	R. L. Polk & Co.
1962	Eklins Lena Mrs H EV	R. L. Polk & Co.
1958	Elkins Lena Mrs A A EV	R. L. Polk & Co.
1949	ELKINS LEO A (ELKINS & WRIGHT)R	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	ELKINS GEO PAWNBROKER	R. L. Polk & Co.
	ELKINS LENA (WID ARTH)H	R. L. Polk & Co.
	FREED) ELEANOR J TCHR PUB SCH R	R. L. Polk & Co.
	R	R. L. Polk & Co.
1944	LEWIS PATRICIAR	R. L. Polk & Co.
1940	ISABEL R	R. L. Polk & Co.
	MCRAE PAUL B (BARBARA) STA ENGH	R. L. Polk & Co.
1935	WADE CLARENCE E ELKH	R. L. Polk & Co.
1930	JOHNSON ALBT (CLARA) ELKH	R. L. Polk & Co.
	JOHNSON ALBT L (CLARA L) CREDIT	R. L. Polk & Co.
	MGR SIMONDS SAW & STEEL COH	

417 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o REEVEJanice	Haines Company, Inc.
2000	RE 0 EE Janice	Haines & Company
	REDINGERChar 4e F	Haines & Company
1993	RAYMOND AL	Pacific Bell
1982	No Return	R. L. Polk & Co.
1977	(N) ZIWET ALES	Pacific Telephone
1971	RICHARDSON M L	Pacific Telephone
1966	RICHARDSON M L B	R. L. Polk & Co.
1962	Sabin Victor SKI	R. L. Polk & Co.
1958	Salin Victor A SE	R. L. Polk & Co.
1949	SABIN VICTOR (GUSTAVA M)H	R. L. Polk & Co.
1944	VICTOR (GUSTAVA) RESTR 49	R. L. Polk & Co.
	MCALLISTER H	
1940	SWARTZ EDWIN R (DOROTHY) ELK	R. L. Polk & Co.
	CANADIAN PAC BYH	

419 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o YEH Peter	Haines Company, Inc.
	DIEP Benson	Haines Company, Inc.
2000	RAMIREZS	Haines & Company
1990	ST CLAIRE TAMARA	Pacific Bell
1982	Olson Doug G	R. L. Polk & Co.
1977	(N) BURNS MARY	Pacific Telephone
1971	WORTH ELMER H	Pacific Telephone
	EOUHABEN FRANCIS	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	BUOKOVSKY E K	Pacific Telephone
1966	BORODKINA ZOYA N B EV	R. L. Polk & Co.
1962	Borokina Zoya N H EV	R. L. Polk & Co.
1958	Borolilea Zoya A BV	R. L. Polk & Co.
1949	SHIPSEY FLORENCE MRS R	R. L. Polk & Co.
1944	SHIPSEY FLORENCE MRSH	R. L. Polk & Co.
	R	R. L. Polk & Co.
	R	R. L. Polk & Co.
1940	SWEENEY EDW W SEAMNR	R. L. Polk & Co.
	SHIPSEY FLORENCE M MRS MAID V AH	R. L. Polk & Co.
	ONELDA CORNELIUSR	R. L. Polk & Co.
1935	SHIPSEY FLORENCE M (WID T M) MAID VETERANS ADMINISTRATION FACILITYH	R. L. Polk & Co.

420 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MCSWEENEY Mark	Haines Company, Inc.
2000	YOUNGDavid	Haines & Company
1990	HUVANE PATRICK	Pacific Bell
1985	HUVANEA PATRICK	Pacific Bell
1982	Huvane Patk	R. L. Polk & Co.
1977	HUVANE PATK	Pacific Telephone
1971	NUVANE PATK	Pacific Telephone
1966	HUVANE PATK EV	R. L. Polk & Co.
1962	Huvane Patk EV	R. L. Polk & Co.
1958	Heivaeatic P Rik & EV	R. L. Polk & Co.
1949	MARATSOS MICHL (HELEN M) GRO	R. L. Polk & Co.
1944	MARATSOS MICHL D (HELEN) GRO	R. L. Polk & Co.
1940	MARATSOS MICHL M (HELEN) GRO	R. L. Polk & Co.

422 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1925	WASHER EDW C ELK ANGLO & LONDON PARLS NAT) BANKR	R. L. Polk & Co.

423 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HAGINICOLSchares	Haines Company, Inc.
	MARCHI George A	Haines Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	HAGINICOLS Chades	Haines & Company
1990	BYME STEPHEN & JOAN	Pacific Bell
	BYRNE STEPHEN & JOAN	Pacific Bell
1982	No Return	R. L. Polk & Co.
1977	LAGINICOLS CHARLES	Pacific Telephone
1971	HAGO NJCOLS CHARLES	Pacific Telephone
1966	HAGINLCOLS CHAS B	R. L. Polk & Co.
1962	Davis Maud Mrs BAI	R. L. Polk & Co.
1958	Dails Maude A BA	R. L. Polk & Co.
1949	CRANE FRANK E ENGH	R. L. Polk & Co.
1944	CRITANE FRANK E (HAZEL K) ENGH	R. L. Polk & Co.
1940	CRANE FRANK E (HAZEL) STA ENGH	R. L. Polk & Co.
1935	CRANE FRANK E (HAZEL K) ENG WAR MEMORIALH	R. L. Polk & Co.
	SHELDON WILSON L BAKERR	R. L. Polk & Co.

424 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o CHOIYen	Haines Company, Inc.
2000	0 CHOIYen	Haines & Company
1982	Choi Yen F	R. L. Polk & Co.
1977	(N) CHOI YEN F	Pacific Telephone
1966	BAUM PETER D B	R. L. Polk & Co.
1962	Baum Peter D SK	R. L. Polk & Co.
1958	Baceleu Peter D A SIC	R. L. Polk & Co.
1949	PANARIO ADA MRSH	R. L. Polk & Co.
	KIESER LELAND J (HAZEL I) MGR BROCKLEBANK GARAGER	R. L. Polk & Co.
1944	ROGERS DINION (GWEN)H	R. L. Polk & Co.
1940	HAAPALA JACK E (HILMA) CARPH	R. L. Polk & Co.
1935	HAPALA JOHN E (HELMA) CARPH	R. L. Polk & Co.

424A 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	BAUM PETER E	Pacific Telephone

424B 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	TOMBLIN PERCY J	Pacific Telephone

FINDINGS

426 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	MONTALVO EDITH WITH TAY- HOLBROOKR	R. L. Polk & Co.

427 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	e MANKevin	Haines Company, Inc.
2000	MAN Kevn	Haines & Company
1993	-B MAIZEL ILYA	Pacific Bell
	ZIATIN LEONID	Pacific Bell
1982	Wrobleski Albert	R. L. Polk & Co.
1977	BLANKEN-HIP ALBERT P	Pacific Telephone
1971	BLANKENSHIP ALBERT P	Pacific Telephone
1966	BLANKENSHIP ALBERT P	R. L. Polk & Co.
1962	Harris Mary E Mrs	R. L. Polk & Co.
1958	Viceiant	R. L. Polk & Co.
1949	MCKIBBEN FRANCES M MRAH	R. L. Polk & Co.
	R	R. L. Polk & Co.
1944	WESLEY (EDNA M)H	R. L. Polk & Co.
	KRONE ANNIE D MRS EMP CITY OF PARISR	R. L. Polk & Co.
1940	REID WESLEY (EDNA M) H	R. L. Polk & Co.
1935	REMD WESLEY (EDNA)H	R. L. Polk & Co.

428 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RUOHO Aileen	Haines Company, Inc.
2000	ORUOHOA 8een	Haines & Company
1993	AUGUSTO MICHAEL	Pacific Bell
1982	Ruoho Larry	R. L. Polk & Co.
1977	NW RETURN	Pacific Telephone
1971	NO RETURN	Pacific Telephone
1966	WILSON STEVE	R. L. Polk & Co.
1962	Trigonis Geo M H SK	R. L. Polk & Co.
1958	Genis Chrsto P P	R. L. Polk & Co.
1949	VIRGINIA SLSWN H LIEBES & CO R	R. L. Polk & Co.
	WARKENTIN M SISMN H LIEBES & COR	R. L. Polk & Co.
	WARKENTIN M SISMN H LIEBES & COR	R. L. Polk & Co.
1944	FRED E USMMR	R. L. Polk & Co.
	R	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	JOHN L (HENRIETTA) CARP H	R. L. Polk & Co.
1940	H	R. L. Polk & Co.
	MULLER JOHN H L CARPH	R. L. Polk & Co.
1935	MULLER JACK JANR	R. L. Polk & Co.
	MULLER JOHN H L (HENRIETTA) CARPH	R. L. Polk & Co.
	MULLER RONALD H WINDOW TRMRR	R. L. Polk & Co.
1930	R	R. L. Polk & Co.
	H	R. L. Polk & Co.
1925	MULLER HERMAN J (HENRIETTA) CARPH	R. L. Polk & Co.

431 42ND AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEESoo	Haines Company, Inc.
2000	OLEESoo	Haines & Company
1993	LEE SOO F	Pacific Bell
1990	LEE SOO F	Pacific Bell
1985	LEE SOO F	Pacific Bell
1982	Lee Soo Fay	R. L. Polk & Co.
1977	LEE SOO FAY	Pacific Telephone
1971	BLALOCK ELIZ J MRS	Pacific Telephone
1966	VACANT	R. L. Polk & Co.
1962	Hall Albert D H BAI 6474	R. L. Polk & Co.
1958	Daennenherg Iteophline R A A BA	R. L. Polk & Co.
1949	SMITH ALTHEA SUPVR HAHNERNANN HOSP R	R. L. Polk & Co.
	HAZEL HENRY G WITH W P FULLER & COR	R. L. Polk & Co.
	HAHN DAVID HH	R. L. Polk & Co.
	DANNENBERG ICEOPHINE R DIR NURSES HAHNEMANN HOSPH	R. L. Polk & Co.
1944	JACKSON WALTER E (MARY C) CREDIT MGR BM&TH	R. L. Polk & Co.
1940	JACKSON WALTER E (MARY) CREDIT MGR BM&TH	R. L. Polk & Co.
1935	H	R. L. Polk & Co.
1930	JACKSON W E CREDIT MRR BLAKE MOFFITT & TOWNER	R. L. Polk & Co.

FINDINGS

CLEMENT

3901 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	PERAZZO GEO M	Pacific Bell
1966	PERAZZO GEO M	R. L. Polk & Co.
1962	Perazzo Geo M BAI 2245	R. L. Polk & Co.
1958	P e rs Zz O 10 M A	R. L. Polk & Co.
1930	KINSMAN AUBREY F (ALMA HI AUD AETNA LIFE INS CO H	R. L. Polk & Co.

3921 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	BURKE EDW L SK	R. L. Polk & Co.
1962	a a Vacant Neto Edith M BAI 2915	R. L. Polk & Co. R. L. Polk & Co.
1958	Mie Cart Brady C AO Z V	R. L. Polk & Co.

3921A CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	NETO EDITH M	R. L. Polk & Co.

3927 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	OLSON FLORENCE MRS	R. L. Polk & Co.
1962	Olson Florence Mrs SKI 6663	R. L. Polk & Co.
1958	Olson Florence Mrs CO ASIC	R. L. Polk & Co.
1944	OLSON FLORENCE T CHF DIETITIAN VETERANS ADMINR	R. L. Polk & Co.
1940	EDW REAL EST	R. L. Polk & Co.

3933 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	LENN ERNEST S EV	R. L. Polk & Co.
1962	Lenn Ernest S EV	R. L. Polk & Co.
1958	Lenn Erneit S 3 a AEV	R. L. Polk & Co.

3945 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	BENJAMIN JON L	Pacific Bell
1966	MC CLEAVTE ANNA M SK	R. L. Polk & Co.
1962	Mc Cleave Anna M SK	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	CLEMENT Contd	R. L. Polk & Co.
1958	Mc Clcave Anna M A A SKIC	R. L. Polk & Co.
1935	MCCLEAVE ALEEN CR	R. L. Polk & Co.

4021 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	GARRETT JAS A	Pacific Bell
1966	VACANT	R. L. Polk & Co.
1958	Orsi Abele Q A BA	R. L. Polk & Co.
1944	ORSI ABELE (WILMA) SHOEREPRH	R. L. Polk & Co.

4027 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ESCHWEILER M	Pacific Bell
1966	ESCHWEILER MARY O EV	R. L. Polk & Co.
1962	Eschweiler Mary B EV	R. L. Polk & Co.
1958	Echweiler Elaine I A A EV	R. L. Polk & Co.
1949	H	R. L. Polk & Co.

4033 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	SAVILLE LAWRENCE E	R. L. Polk & Co.
1962	Saville Lawrence E EV	R. L. Polk & Co.
1958	Sayille Lawrence E A EV	R. L. Polk & Co.
1944	SAVILLE ELEANOR V TYPIST VETERANS ADINLA R	R. L. Polk & Co.
1940	SAVILLE LAURENCE E (ELEANOR) STA ENGH	R. L. Polk & Co.

4109 CLEMENT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1925	COURTNEY S (AMY V) INS AGT R	R. L. Polk & Co.

CLEMENT AVE

3901 CLEMENT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	KINSMAN AUBREY F (ALMA H) AUDH	R. L. Polk & Co.

FINDINGS

3921 CLEMENT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	DAVIS ORVILLE (JOHANNA) MARINE ENGH	R. L. Polk & Co.
1944	DAVIS ORVILLE (JOHANNA) MARINE ENU H	R. L. Polk & Co.

3927 CLEMENT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	OLSON EDW (I LORENCE)H	R. L. Polk & Co.

3933 CLEMENT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	LENN ERNEST S (ANN S) H	R. L. Polk & Co.
1944	ERNEST S (ANNA) ASST CITY EDITOR S F EXINER H	R. L. Polk & Co.

4021 CLEMENT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	ORSI ABLE (THELMA) SHOE REPRH	R. L. Polk & Co.

4027 CLEMENT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	KEARNS WALTER J (ANNETTE)H	R. L. Polk & Co.

CLEMENT PL

3921 CLEMENT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	DAVIS ORVILLE (JOHANNA) MAR ENGH	R. L. Polk & Co.

CLEMENT ST

3901 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	HOGANClayton	Haines Company, Inc.
2000	PERAZZOGe 8 M	Haines & Company
1982	Perazzo Geo M	R. L. Polk & Co.
1977	PERAOSZ GEO M IS	Pacific Telephone
1971	PERAZZO GEO M	Pacific Telephone

FINDINGS

3921 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ULLMANWENDY	Haines Company, Inc.
2000	ULLMANWEND	Haines & Company
1982	Neto E M	R. L. Polk & Co.
	Fowler Tony	R. L. Polk & Co.
1977	FOWLER TONY	Pacific Telephone
1971	NO RETURN	Pacific Telephone
1935	HERRING CHAS E (ANNA) FURN FNSHRH	R. L. Polk & Co.

3921A CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1977	NETS E M	Pacific Telephone
1971	NETO EDITH M	Pacific Telephone

3927 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1982	Averio Lester	R. L. Polk & Co.
1977	NO RETURN	Pacific Telephone
1971	OLSON FLORENCE T MRS	Pacific Telephone
1935	MCCLURE JOY L (EVELYN) PHYS R818	R. L. Polk & Co.
1930	FRANKLIN FRED E (MABEL)H	R. L. Polk & Co.

3933 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ARCELONA Gloria	Haines Company, Inc.
2000	ARSOJas W	Haines & Company
1982	Lenn Ernest S	R. L. Polk & Co.
1977	LAN ERNEET S	Pacific Telephone
1971	LENN ERNEST S	Pacific Telephone

3945 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CHAMBERS Nancy	Haines Company, Inc.
2000	XXXX	Haines & Company
	1ST AV	Haines & Company
1982	No Return	R. L. Polk & Co.
1971	MC CLEAVE ANNA M MRS	Pacific Telephone
1935	MCCLEAVE EMMA R (WID SAMLI)H	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	ANNA M BKPR HOUGHTON MIFFLIN COR	R. L. Polk & Co.

4021 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEETzong Hae	Haines Company, Inc.
2000	LEETzong Hae	Haines & Company
1982	Garrett Jim	R. L. Polk & Co.
1977	REHN J	Pacific Telephone
1971	MOLLICH JOSEPH	Pacific Telephone
1940	ORSI ABEL (THELMA) SHOE REPR ORSI FRANK DRIVERR	R. L. Polk & Co. R. L. Polk & Co.

4027 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o SCOULAR Nand SCOULAR Nancy o SCOULARAndrew SCOULAR Andrew	Haines Company, Inc. Haines Company, Inc. Haines Company, Inc. Haines Company, Inc.
2000	SCOULARN O SCOULARA	Haines & Company Haines & Company
1982	Roslyns Garden Service gardening Eschweiler Mary	R. L. Polk & Co. R. L. Polk & Co.
1977	EECHWEILER MARY	Pacific Telephone
1971	ESCHWEILER MARY	Pacific Telephone

4033 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	CAVANAGH Kevin	Haines Company, Inc.
2000	WOO Patric Ia	Haines & Company
1982	Saville Laurence E	R. L. Polk & Co.
1977	SEVILLE LAURENCE E	Pacific Telephone
1971	SAVILLE LAURENCE E	Pacific Telephone
1944	SAVILLE LAWRENCE EH	R. L. Polk & Co.

4152 CLEMENT ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	STEWART LARRY&JODIE	Pacific Bell

FINDINGS

CLEMENTINA ST

3901 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	PERAZZO GEO M	Pacific Bell
1985	PERAZZO GEO M	Pacific Bell
1949	KINSMAN ALMA HH	R. L. Polk & Co.
1940	KINSMAN AUBREY F (ALMA) AUD AC&SCOH	R. L. Polk & Co.
1935	KINSMAN AUBRY F AUD AETNA CASUALTY & SURETY COH	R. L. Polk & Co.
1930	A UBRY INS AGT H	R. L. Polk & Co.

3921 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	CURTIS EUNICE R MRS SLSWNR ELEZARIAN GARABED ATDT VETERANS ADMINR GATES THOS D (ELEANOR) USA H	R. L. Polk & Co. R. L. Polk & Co. R. L. Polk & Co.
1935	LOVAES GERTRUDE D MRS TEL OPRR	R. L. Polk & Co.
1930	HERRING CHAS E (ANNA) ANTIQUES HERRING FRED FURN FNSHRR	R. L. Polk & Co. R. L. Polk & Co.
1925	WILLEY RAY W (BERTHA) SUPT AM CAN COH	R. L. Polk & Co.

3927 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1930	FRANKLIN MABEL MRS CLLCR	R. L. Polk & Co.

3933 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	LENN ERNEST	Pacific Bell
1940	HILL ROBT L (FANNY) SERVMN JAS W MCALISTERH	R. L. Polk & Co.
1935	HILL P ROBT L (FANNY) SLSMNH	R. L. Polk & Co.
1930	JOHN T (MARTHA) SEC-TREAS AM TOLL BRIDGE CO H	R. L. Polk & Co.

3945 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	MCCLEAVE ALEEN C STENR	R. L. Polk & Co.
1940	MCCLEAVE ANNA M OFC SEC HASKINS & SELLSR	R. L. Polk & Co.

FINDINGS

4021 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	GARRETT JAS A	Pacific Bell
1985	GARRETT JAS A	Pacific Bell
1935	GRAYSON WM N (DAISY) ACCTH	R. L. Polk & Co.

4027 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SMITH CHRIS	Pacific Bell
1985	ROSLYN MORRILL GARDNR	Pacific Bell
	ESCHWEILER M	Pacific Bell
	MORRILL ROSLYN GARDNR	Pacific Bell
1940	SAML D (ANITA B) DENTIST R926	R. L. Polk & Co.
1935	SELLECK SAML D (ANITA) DENTIST	R. L. Polk & Co.

4033 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SAVILLE LE	Pacific Bell
1985	SAVILLE L E	Pacific Bell
1949	SAVILLE LAURENCE E (ELEANOR) CHF ENG ONE ELEVEN SUTTER BLDGH	R. L. Polk & Co.
1935	SAVILLE LAURENCE E (ELEANOR) ENGH	R. L. Polk & Co.

4150 CLEMENTINA ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	TUTOR-SAIBA CORP	Pacific Bell
	STEWART DEMITRI	Pacific Bell
1985	VETERANS ADMINISTRATION HOSPITAL	Pacific Bell
	FOYE PATRICIA	Pacific Bell
	CALDWELL JOSEPH	Pacific Bell

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

4150 Clement Street

Address Not Identified in Research Source

2000, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

3901 CLEMENT

3901 CLEMENT AVE

3901 CLEMENT ST

3901 CLEMENTINA ST

3921 CLEMENT

3921 CLEMENT AVE

3921 CLEMENT PL

3921 CLEMENT ST

3921 CLEMENTINA ST

3921A CLEMENT

3921A CLEMENT ST

3927 CLEMENT

3927 CLEMENT AVE

3927 CLEMENT ST

3927 CLEMENTINA ST

3933 CLEMENT

3933 CLEMENT AVE

Address Not Identified in Research Source

2006, 2000, 1990, 1985, 1982, 1977, 1971, 1953, 1949, 1944, 1940, 1935, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910

1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1944, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1935, 1930, 1925, 1920, 1915, 1910

1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1940, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1953, 1949, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1940, 1935, 1930, 1925, 1920, 1915, 1910

FINDINGS

Address Researched

Address Not Identified in Research Source

3933 CLEMENT ST	1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
3933 CLEMENTINA ST	2006, 2000, 1993, 1990, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1925, 1920, 1915, 1910
3945 CLEMENT	2006, 2000, 1990, 1985, 1982, 1977, 1971, 1953, 1949, 1944, 1940, 1930, 1925, 1920, 1915, 1910
3945 CLEMENT ST	1993, 1990, 1985, 1977, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1930, 1925, 1920, 1915, 1910
3945 CLEMENTINA ST	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1944, 1935, 1930, 1925, 1920, 1915, 1910
400 40TH AVE	2000, 1993, 1990, 1915, 1910
400 42ND AVE	2000, 1953, 1925, 1920, 1915, 1910
401 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
401 41ST AVE	1993, 1925, 1920, 1915, 1910
401 42ND AVE	1953, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4021 CLEMENT	2006, 2000, 1990, 1985, 1982, 1977, 1971, 1962, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4021 CLEMENT AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4021 CLEMENT ST	1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1944, 1935, 1930, 1925, 1920, 1915, 1910
4021 CLEMENTINA ST	2006, 2000, 1993, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1930, 1925, 1920, 1915, 1910
4027 CLEMENT	2006, 2000, 1993, 1985, 1982, 1977, 1971, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4027 CLEMENT AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4027 CLEMENT ST	1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4027 CLEMENTINA ST	2006, 2000, 1993, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1930, 1925, 1920, 1915, 1910
403 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
403 42ND AVE	2006, 1993, 1990, 1985, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4033 CLEMENT	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1953, 1949, 1935, 1930, 1925, 1920, 1915, 1910
4033 CLEMENT ST	1993, 1990, 1985, 1966, 1962, 1958, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4033 CLEMENTINA ST	2006, 2000, 1993, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1944, 1940, 1930, 1925, 1920, 1915, 1910
405 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
405 42ND AVE	1993, 1990, 1985, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
406 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910

FINDINGS

Address Researched

Address Not Identified in Research Source

406 41ST	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910
406 41ST AVE	1993, 1990, 1944, 1925, 1920, 1915, 1910
406 42ND AVE	2006, 2000, 1993, 1990, 1985, 1953, 1930, 1925, 1920, 1915, 1910
407 40TH AVE	1993, 1990, 1985, 1958, 1925, 1920, 1915, 1910
407 41ST AVE	1993, 1990, 1985, 1925, 1920, 1915, 1910
407 42ND AVE	1990, 1985, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
408 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
409 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
409 42ND AVE	1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
410 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
410 41ST AVE	2000, 1993, 1990, 1925, 1920, 1915, 1910
410 42ND AVE	1993, 1990, 1985, 1953, 1930, 1925, 1920, 1915, 1910
4109 CLEMENT	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1920, 1915, 1910
411 40TH AVE	1993, 1930, 1925, 1920, 1915, 1910
411 41ST AVE	1993, 1990, 1985, 1925, 1920, 1915, 1910
411 42ND AVE	1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
412 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
412 41ST AVE	2006, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
412 42ND AVE	1953, 1925, 1920, 1915, 1910
414 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
414 41ST AVE	1990, 1985, 1930, 1925, 1920, 1915, 1910
414 42ND AVE	1953, 1930, 1925, 1920, 1915, 1910
415 40TH AVE	1993, 1925, 1920, 1915, 1910
415 42ND AVE	1993, 1990, 1985, 1953, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4150 CLEMENTINA ST	2006, 2000, 1993, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
4152 CLEMENT ST	1993, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
416 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1920, 1915, 1910
416 42ND AVE	1953, 1925, 1920, 1915, 1910

FINDINGS

Address Researched

Address Not Identified in Research Source

417 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
417 41ST AVE	1925, 1920, 1915, 1910
417 42ND AVE	1990, 1985, 1953, 1935, 1930, 1925, 1920, 1915, 1910
418 40TH	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
418 40TH AVE	1993, 1949, 1915, 1910
418 41ST AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1925, 1920, 1915, 1910
419 40TH AVE	1993, 1985, 1925, 1920, 1915, 1910
419 40TH ST	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1925, 1920, 1915, 1910
419 42ND AVE	1993, 1985, 1953, 1930, 1925, 1920, 1915, 1910
420 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
420 41ST AVE	2006, 1993, 1990, 1985, 1930, 1925, 1920, 1915, 1910
420 42ND AVE	1993, 1953, 1935, 1930, 1925, 1920, 1915, 1910
421 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
421 41ST AVE	1993, 1925, 1920, 1915, 1910
422 41ST AVE	2006, 1993, 1990, 1985, 1925, 1920, 1915, 1910
422 42ND AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1920, 1915, 1910
423 40TH AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
423 42ND AVE	1993, 1985, 1953, 1930, 1925, 1920, 1915, 1910
424 40TH AVE	1993, 1990, 1985, 1930, 1915, 1910
424 42ND AVE	1993, 1990, 1985, 1971, 1953, 1930, 1925, 1920, 1915, 1910
424A 42ND AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
424B 42ND AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1966, 1962, 1958, 1953, 1949, 1944, 1940, 1935, 1930, 1925, 1920, 1915, 1910
425 40TH AVE	1993, 1925, 1920, 1915, 1910
426 42ND AVE	2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949, 1940, 1935, 1930, 1925, 1920, 1915, 1910
427 41ST AVE	2006, 1993, 1990, 1985, 1925, 1920, 1915, 1910
427 42ND AVE	1990, 1985, 1953, 1930, 1925, 1920, 1915, 1910
428 42ND AVE	1990, 1985, 1953, 1920, 1915, 1910
431 41ST AVE	1925, 1920, 1915, 1910
431 42ND AVE	1953, 1925, 1920, 1915, 1910

FINDINGS

Address Researched

437 41ST AVE

441 41ST AVE

447 41ST

447 41ST AVE

Address Not Identified in Research Source

1990, 1985, 1935, 1930, 1925, 1920, 1915, 1910

1935, 1930, 1925, 1920, 1915, 1910

2006, 2000, 1993, 1990, 1985, 1982, 1977, 1971, 1966, 1962, 1958, 1953, 1949,
1944, 1935, 1930, 1925, 1920, 1915, 1910

1993, 1935, 1930, 1925, 1920, 1915, 1910

APPENDIX E

Public Notices and Comments

DECLARATION OF PUBLICATION OF SAN FRANCISCO CHRONICLE

Lori Gomez

Declares that:

The annexed advertisement has been regularly published
In the

SAN FRANCISCO CHRONICLE

Which is an was at all times herein mentioned
established as newspaper of general circulation in the
City and County of San Francisco, State of California, as
the term is defined by Section 6000 of the Government
Code

SAN FRANCISCO CHRONICLE

(Name of Newspaper)

901 Mission Street

San Francisco, CA 94103

From

9/4/11

To

9/4/11

Namely on

9/4/11

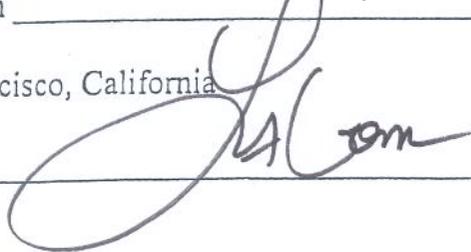
(Dates of Publication)

I declare under penalty of perjury that the foregoing is
true and correct.

Executed on

9/8/11

At San Francisco, California



NOTICE OF AVAILABILITY
DRAFT ENVIRONMENTAL ASSESSMENT
U.S. DEPARTMENT OF
VETERANS AFFAIRS
Proposed Installation and Operation of
Ground Source Heat Pump Systems
San Francisco VA Medical Center
4150 Clement Street
City of San Francisco, San Francisco
County, California

has been prepared in accordance with
the regulations for implementing the
procedural provisions of the National
Environmental Policy Act (NEPA),
(Public Law 91-190, 42 USC 4321-
4347 January 1, 1970), amendments,
the VA's Implementing Regulations
(38 CFR Part 26), and the VA NEPA Inter-
im Guidance for Projects dated 30
September 2010. The VA intends to
issue a "Finding of No Significant Im-
pact" (FONSI) following a thirty-day
comment period in accordance with
the Council on Environmental Quality
Regulations for Implementing NEPA,
Section 1508.13 provided there are
no substantive comments which war-
rant further evaluation.

or further information and/or copy of
the DEA please contact the Energy En-
gineer for the San Francisco VAMC at
the following:

Department of Veterans Affairs
Attention:
Mr. Emmanuel Bernal
Energy Engineer
San Francisco VAMC, Building 3
4150 Clement Street
San Francisco, California 94121
Emmanuel.Bernal@va.gov
Phone: (415) 221-4810, ext. 3822
(office)

A copy of the DEA will also be available
at the San Francisco Public Library -
Anza Branch located at 550 37th Ave-
nue in San Francisco, California
94102.

Paul – I doubt you'll be receiving any further comments from us. Looks like it's all in developed areas of the VA Center. Probably all we want to say is –

We assume you know where any landslide areas are nearby and the activity would not increase geologic instability. We also assume, as the VA is aware, of the need to manage parking. The EA discusses parking but doesn't really quantify the number of vehicles needed for construction or the extent to which existing parking will be displaced by construction, but I wouldn't think there would be a quantity of construction equipment that would cause problems. So you are aware, we've been involved in past decades over situations where VA personnel parked in the adjacent community, which led residents to bring the matter to our attention, but the VA has been pretty good about dealing with this and as the EA notes, is building some new parking facilities. I suppose one thing that might help is, at whatever point the VA prepares a parking mgmt. plan for this activity, they could let us review and comment on it. - Mark

From: Paul Jackson [mailto:pjacksonttl@charter.net]
Sent: Tuesday, September 13, 2011 10:16 AM
To: Mark Delaplaine
Cc: 'Bernal, Emmanuel V.'; 'Rob Clark'
Subject: RE: slight correction to coastal zone configuration, SF, 9/2/11 VA Ground Source Heat Pump Systems EA

Mr. Delaplaine:

Thank you for the clarification.

We look forward to receiving additional comments and input from the CCC regarding the Environmental Assessment (EA).

Paul Jackson
TTL Associates, Inc.
44265 Plymouth Oaks Boulevard
Plymouth, Michigan 48170
Phone: 734-455-8600 ext. 1262
Fax: 734-455-8608

From: Mark Delaplaine [mailto:mdelaplaine@coastal.ca.gov]
Sent: Tuesday, September 13, 2011 1:03 PM
To: pjackson@tlassoc.com

Subject: FW: slight correction to coastal zone configuration, SF, 9/2/11 VA Ground Source Heat Pump Systems EA

From: Mark Delaplaine

Sent: Tuesday, September 13, 2011 10:00 AM

To: 'pjackson@ttl.assoc.com'

Subject: slight correction to coastal zone configuration, SF, 9/2/11 VA Ground Source Heat Pump Systems EA

Paul – the discussion on p. 23 and the map on p. 26 are a little off. Just so you have it identified correctly, the coastal zone for CCC is attached.

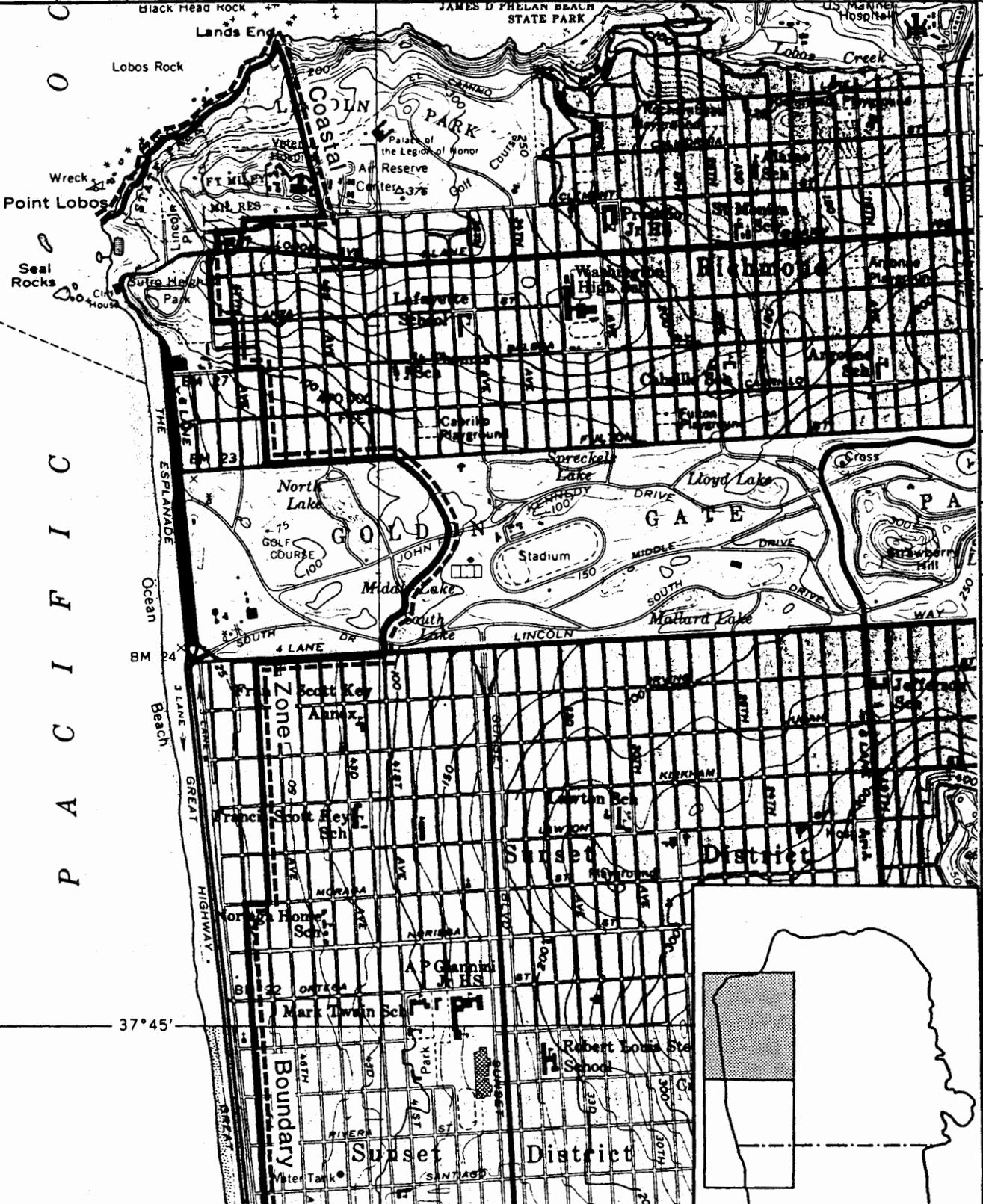
BCDC's is 100 ft. from the shoreline, not 1000 ft. (I don't have a map for this)

For the area between Pt. Lobos and Lands End, my mappers just explained to me that both agencies have some jurisdiction. BCDC has the first hundred ft. parallel to the shoreline, then we have what's inland of that, in the area seaward of the line on the attached map. As you can see, our coastal zone boundary runs thru the VA site in a more or less north to south direction, between Land's end and about 43rd Ave.

(and it's the solid line, not the dashed line, that is the actual boundary. The dotted line is just there to help people see which is the landward side of the line)

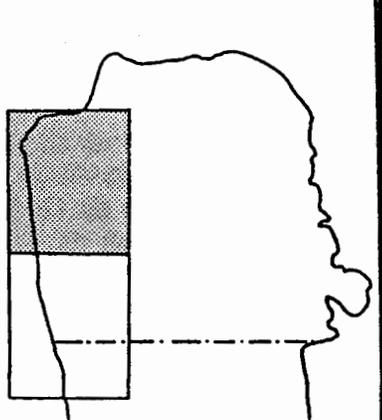
Mark Delaplaine
Manager, Energy, Ocean Resources
and Federal Consistency Division
California Coastal Commission
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219
mdelaplaine@coastal.ca.gov
(415) 904-5289

A B C D E F G H I J K L M N O



P A C I F I C

37°45'



California Coastal Commission