

**No documents have been associated  
with this appendix.**



Report of  
Phase I Environmental Site Assessment

Upper Point Vicente  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, Los Angeles County,  
California 90275

Prepared for

The City of Rancho Palos Verdes  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, California 90275

Prepared by

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September 8, 2010

PSI Project 0559334

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## **1 FINDINGS AND CONCLUSIONS**

Professional Service Industries, Inc. (PSI) performed a Phase I Environmental Site Assessment (Phase I ESA) of the Upper Point Vicente property at 30940 Hawthorne Boulevard in the City of Rancho Palos Verdes, California. The assessment included a Phase I ESA and PSI performed the assessment to comply with the contract between PSI and The City of Rancho Palos Verdes.

The subject property is currently developed with the Rancho Palos Verdes City Hall complex. Several buildings are located throughout the 23 acre property known as the Upper Point Vicente. The northwestern portion of the property is developed with three buildings currently occupied by the City Hall, Community Development Department, and a community technology center. The western portion of the property is developed with a senior center. The southern portion of the property, formerly a Nike Missile site, is currently being utilized for trash receptacle storage, has a cable television studio, a vacant guard shack, and a public works storage building. The eastern portion of the property is mostly undeveloped with the exception of a former generator building that is currently used for traffic control equipment and sign storage. The remainder of the property is developed with a tennis court, paved parking, and landscaped areas.

The subject property was first developed in 1942 as part of the Harbor Defenses of Los Angeles. The subject property was developed with anti-aircraft fire control and gun emplacements. In the early 1950's, the subject property was developed with administration and launch facilities for Nike Ajax and Nike Hercules anti-aircraft missile systems. As the missile systems became obsolete in the early 1970's, the site was decommissioned and turned over to the city of Rancho Palos Verdes in 1979.

Current uses of the adjoining properties consist of: Hawthorne Boulevard followed by residential development to the north, undeveloped land to the south, a racquet club to the east, and a coast guard communication facility to the west.

The adjoining properties were undeveloped land until the early 1940's when the western adjoining property was developed as part of the military reservation formerly located on the subject property. By the mid 1970's the eastern adjoining property was developed with a racquet club. By 1990, the northern adjoining property, across Hawthorne Boulevard, was developed with residential development. PSI identified no evidence of recognized environmental conditions (RECs) in the current and past uses of adjoining and surrounding property.

### **1.1 PHASE I ESA**

PSI performed the Phase I ESA in general conformance with ASTM E 1527-05. Limitations, exceptions and deviations from this protocol are discussed in Section 3.

### 1.1.1 OPINIONS

#### Significant Data Gaps

Based on our experience, the information that we gathered and evaluated did not present significant data gaps that affected our ability to identify RECs in connection with the subject property.

#### Recognized Environmental Conditions

This assessment revealed no evidence of recognized environmental conditions in connection with the property.

### 1.1.2 ENVIRONMENTAL PROFESSIONAL DECLARATIONS

Mr. Eric Fraske, Assessor and Environmental Professional, gathered and compiled information contained in this report and performed the site and area reconnaissance.



Eric Fraske, PE  
Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Reviewed by:



Lloyd Guss, PG  
Principal Consultant

## **1.2 RECOMMENDATIONS**

Based on the information that PSI gathered and our experience, PSI recommends the following:

- No further assessment is recommended.

This summary does not contain all the information presented in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

## 2 INTRODUCTION

### 2.1 CONTRACT

The contract between PSI and Client is summarized below:

Summary	
<b>Client</b>	The City of Rancho Palos Verdes
<b>Authorizing Party Title</b>	Carolyn Lehr City Manager
<b>Engagement ID, Date</b>	Professional Services Agreement August 9, 2010

PSI considers the client to be the 'User' of our assessment, defined in the Practice as:

"The party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of a property, a potential tenant of property, an owner of property, a lender or a property manager. The user has specific obligations for completing a successful application of this practice...."

### 2.2 PURPOSE OF SERVICES

Based on the information provided, PSI understands that your purpose for having the Phase I ESA performed is to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter landowner liability protections or LLPs). The scope of services presented below is intended to satisfy this purpose.

PSI performed the Phase I ESA in general conformance with ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (the Practice). The purpose of the Practice was to define good commercial practice for conducting an environmental site assessment and as such, the Practice is intended to permit the user to satisfy one of the requirements to qualify for the LLPs. The goal of the processes established by the Practice is to identify recognized environmental conditions (RECs) in connection with the property.

Our services included effort outside the scope of the Practice to evaluate issues related to business environmental risk associated with the property. The purpose of these services was to provide information about certain conditions that can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of the property.

## **2.3 STANDARD OF CARE AND WARRANTIES**

Our services were not intended to be technically exhaustive. There is a possibility that with the proper application of methodologies, conditions may exist on the property that could not be identified within the scope of the assessment(s) or that were not reasonably identifiable from the available information.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with the property. The ESA was intended to reduce, but not eliminate uncertainty regarding the potential for RECs in connection with a property.

Our report is based on commonly known and reasonably ascertainable information, including limited, ground-level visual inspection of the property except where otherwise explicitly indicated, in conformance with ASTM E 1527-05. Findings and conclusions derived from the methodologies described in the Practice contain all of the inherent limitations in the methodologies that are referred to in the Practice.

PSI did not perform any exploratory probing or discovery, perform tests, operate any specific equipment, or take measurements or samples to perform the ESA scope. The ESA was not a building code, safety, regulatory or environmental compliance inspection. The ESA is not intended to reduce the risk of the presence of mold and physical deficiencies conducive to mold nor the risk that mold or physical deficiencies conducive to mold may pose to the buildings and building occupants.

The methodologies include reviewing information provided by other sources. PSI treats information obtained from the record reviews and interviews concerning the property as reliable and the ASTM protocol does not require PSI to independently verify the information. Therefore, PSI cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. No other warranties are implied or expressed.

PSI warrants that the findings contained in this report have been prepared in general conformance with accepted professional practices at the time of report preparation as applied by similar professionals. Future changes in standards, practices, or regulations cannot be anticipated and have not been addressed.

The observations and recommendations presented in this report are time dependent, and conditions will change. This report speaks only as of its date.

## **2.4 USE BY OTHER PARTIES**

This report was prepared pursuant to a contract between PSI and its client. That contractual relationship included an exchange of information about the property that was unique and serves as the basis upon which this report was prepared. Because of

the importance of these understandings, our assessment may not be sufficient for the intended purposes of another party.

Reliance or any use of this report by anyone other than those parties identified above, for which it was prepared is prohibited and therefore not foreseeable to PSI. Any unauthorized reliance on or use of this report, including any of the information or conclusions contained herein, will be at the third party's risk. No warranties or representations expressed or implied in this report are made to any such third party.

Third party reliance letters may be issued upon timely request and payment of the then-current fee for such letters. All third parties relying on our report, by such reliance, agree that such reliance is limited by our proposal and General Conditions.

### 3 SCOPE AND RESOURCES

#### 3.1 PHASE I ESA

PSI performed a Phase I ESA of the subject property that generally conforms to the scope and limitations of the Practice. The assessment included four components:

- Records review;
- Reconnaissance;
- Interviews; and
- Preparation of this report, including our evaluation.

The scope of our services and the information resources accessed are detailed below.

##### 3.1.1 STAFF

Mr. Eric Frasse, Environmental Professional, gathered and compiled information for this assessment, including performing the site and area reconnaissance on August 17, 2010. Credentials and qualifications of persons responsible for preparation of this report are appended.

##### 3.1.2 RECORDS REVIEW

###### Physical Setting Sources

PSI reviewed United States Geological Survey (USGS) Topographic (Topo) Maps and other information regarding the physical setting of the site to assist with the interpretation of subsurface water movement near the property.

Summary	
Source Name	Year Published/Issued
USGS 60 Minute Topo Map	Southern CA Sheet 1: 1901
USGS 7.5 Minute Topo Map	San Pedro Hill: 1928,1942
USGS 7.5 Minute Topo Map	Long Beach Vicinity: 1951
USGS 7.5 Minute Topo Map	Redondo Beach: 1963, 1972, 1981, 1996
Soil Survey	EDR: 2010

###### Environmental Regulatory Database Information

PSI retained Environmental Data Resources, Inc. (EDR) to provide environmental database information attributed to the site and its surroundings. EDR obtains environmental databases published by local, state, tribal, and federal agencies and geocodes the information for electronic searches. EDR's service includes reporting

Standard Environmental Records Sources and, in most cases, some Additional Environmental Records Sources.

The search was performed to Approximate Minimum Search Distances (AMSD) listed in ASTM E 1527-05.

Unmappable (orphan) sites listed with insufficient address or geocoding information for EDR to map were evaluated for potential location within the AMSD. PSI used information provided about the city, county and zip code attributed to these sites to determine if they are located in the vicinity of the subject property.

### Historical Use Information

PSI used USGS Topo maps and retained EDR to provide information about the history of the site and its surroundings. PSI also referenced other historical sources.

Summary			
Source Type	Years Reviewed	Source	Note
USGS Topo Maps	See Above	USGS	
Aerial Photograph(s)	1928, 1947, 1953, 1965, 1976, 1990, 1994, 2002, 2005	EDR	
Fire Insurance Maps	No Coverage	EDR	
Street Directories	1920-2002	EDR	
NA = None Available (Not Readily Ascertainable). NR = Not Reviewed. NPR = Not Practically Reviewable. Topographic Maps reviewed are previously listed.			

### Recorded Land Title Records

PSI did review land title records to obtain information about the current and past owners of the site and prior uses and tenancies.

### User-Provided Information

The Practice describes information to be provided by the user, owner, and key site manager. This information is detailed on appended questionnaires that PSI sent to the user.

#### 3.1.3 RECONNAISSANCE

Ms. Sara Singer, Senior Administrative Analyst with the City of Rancho Palos Verdes, granted PSI access to the site. Ms. Singer escorted PSI during site reconnaissance.

The ground reconnaissance consisted of observing the periphery of the property and viewing the site from accessible adjacent public access areas. Visual reconnaissance

of adjoining properties was limited to areas and facilities that were readily observable from the subject property or from public access areas.

PSI systematically toured interior portions of the property to provide an overlapping field of view. The periphery of structures, where present on the property, were observed along with accessible interior common areas, maintenance/repair areas and a representative number of occupant spaces.

PSI took photographs to document selected features.

### **3.1.4 INTERVIEWS**

PSI made reasonable attempts to interview selected persons having knowledge of the uses and conditions of the site, past and present. A list of the persons that PSI interviewed and attempted to interview, along with our interpretations is presented in Section 8.

### **3.1.5 REFERENCES**

The information sources that PSI used, including published material, material obtained from commercial sources, from other sources, or provided to us through questionnaires is cited as that information is presented in the report. Some of this information or excerpts thereof is also appended.

## **3.2 OTHER ENVIRONMENTAL ISSUES**

Our services did not include effort outside the scope of the Practice to evaluate issues related to business environmental risk associated with the property.

## **3.3 SIGNIFICANT ASSUMPTIONS**

PSI made the following assumptions in developing our Phase I ESA findings and conclusions:

- Groundwater Flow Direction - PSI interpreted and inferred the direction of the shallow groundwater movement based on the information we obtained and our experience. Actual groundwater flow may be locally influenced by many factors beyond the scope of this study. Subsurface investigation would be necessary to determine site-specific groundwater flow direction.
- Regulatory Agency Information - PSI considers all information provided by EDR regarding regulatory status of facilities to be complete, accurate, and current.
- Other Regulatory Information - PSI considers all other information obtained from regulatory or enforcement agencies to be complete, accurate, and current.
- Title, Lien, and Activity and Use Limitation (AUL) Information – PSI considers all information provided by EDR, its subcontractors, or other real estate title records

review firms regarding property ownership or encumbrances to be complete, accurate and current.

- Interviews - PSI considers all information provided through interviews to be complete, unbiased and provided in good faith.

### **3.4 LIMITATIONS, EXCEPTIONS, DEVIATIONS AND DATA GAP**

PSI considers that limitations, exceptions and deviations from the Practice manifest as a lack of or inability to obtain information required by the Practice. This represents the definition of the 'data gap' contained in the Practice.

PSI tracked the components for this assessment on the Data Gap Worksheet, which is appended. Therefore the limitations, exceptions and deviations are identified in the Worksheet.

In general, when required information was incomplete, not provided, otherwise not obtained or indicated a need for additional information, PSI attempted to use information from other sources to meet the Practices' performance objectives. When the data gaps affected the Environmental Professional's ability to identify RECs, PSI considered the data gap(s) to be significant. PSI identifies significant data gaps (if any) in the Data Gap Worksheet and reports them in Section 1.1. Data gaps are discussed below.

- Access to the missile silos was not permitted at the time of site reconnaissance due to possible confined entry safety concerns.

## 4 USER-PROVIDED INFORMATION

PSI provided the client with a standard questionnaire. The questionnaires are appended and selected portions are discussed in the following sections.

### 4.1 USER'S RESPONSIBILITIES

#### 4.1.1 LIENS

PSI obtained information about environmental liens recorded against the subject property at the request of the client. PSI retained EDR to perform the search.

The information indicated that an environmental lien is not recorded against the subject property.

#### 4.1.2 ACTIVITY AND LAND USE LIMITATIONS (AULS)

PSI obtained information about AULs against the subject property at the request of the client. PSI retained EDR to perform the search.

The information indicated that an AUL is not recorded against the subject property. An AUL is recorded against the Point Vicente Interpretive Center, which is located to the south of the subject property. The AUL is related to lead impacted soils located at the Interpretive Center and is not considered to be a recognized environmental condition in connection with the subject property.

### 4.2 HELPFUL DOCUMENTS

The client provided PSI with several prior assessment and property history reports of the subject property. A summary of the previous reports are presented below.

**City of Rancho Palos Verdes Application. Submitted to the United State Department of the Interior Bureau of Outdoor Recreation. March 1, 1976.**

In this application, the subject property is described to be developed with a Nike missile battery with associated support buildings. No evidence of recognized environmental conditions was identified during this appraisal.

**Appraisal Report 7.1 Acres Former LADA Nike Site 55, Rancho Palos Verdes, California. Prepared by Booth, Crosbie, and Pike. Prepared for the City of Rancho Palos Verdes. September 27, 1977.**

At the time of this appraisal, the subject property was developed with the present day structures with the exception of the senior center and computer training building. Two smaller shed buildings were present on the subject property but have since been

demolished. No evidence of recognized environmental conditions was identified during this appraisal.

**Phase I Environmental Site Assessment 168.40 Acres Resort Hotel Area and Upper Point Vicente Area, Rancho Palos Verdes, CA. Prepared for the City of Rancho Palos Verdes. Prepared by RBF Consulting. September 15, 2000.**

A Phase I Environmental Site Assessment (ESA) of the subject property was conducted by RBF Consulting in September 2000. The ESA included the Upper Point Vicente Area (land owned by the City of Rancho Palos Verdes and the County of Los Angeles), which is located adjacent to the north of Palos Verdes Drive South and the Resort Hotel Area (formerly Marine Land Aquatic Park) located south of Palos Verdes Drive South. The Upper Point Vicente Area included the City of Rancho Palos Verdes City Hall, the Cable Building, Point Vicente Battery #240, and two former Nike Missile silos. The southeastern portion of the Upper Point Vicente Area was developed for agricultural use. The Phase I ESA identified recognized environmental conditions and provided the following findings and recommendations for further investigation. Only the findings and recommendations for the former Nike Missile Facility are summarized.

- Based on two untitled historical information packets provided by the City of Rancho Palos Verdes, the Upper Point Vicente Area was formerly owned and operated by the United States Army as a missile (Nike) site and gunnery range until 1974.
- Surveys of the former Nike Missile Facility conducted in 1992 and 1996 by the U.S. Army Corps of Engineers indicated that the risk associated with explosive ordnance and missile propellants is low as these materials were removed from the area.
- As part of the abandonment by the U.S. Army of the Nike Missile Facility (Nike Bunker Battery #55), three (3) abandoned fuel storage tanks and the sampling and disposal of seven 55-gallon drums were identified. Soil sampling was also conducted around these identified areas and in the area of the former paint storage shed and acid storage and fueling facilities. However, according to the historical research conducted by RBF Consulting, it is unclear whether the soil sampling actually was conducted.
- Current and historical agricultural usage of the subject property potentially released pesticides, which are now banned. Historical use of agricultural pesticides may result in pesticide residue in the soil at concentrations that could be considered a human health risk. There is no regulatory requirement that soil is tested prior to development.
- Due to the age of the existing structures, the structural components of the Nike Missile silos may potentially contain ACM, lead based paints, and PCBs. The onsite structures, including the Nike Missile silos and two out-buildings, should be surveyed prior to the commencement of any demolition or remedial work.
- During the 2000 Phase I ESA site reconnaissance conducted by RBF Consulting, an unknown liquid (possibly rain water) was observed pooling in the lower portion of the concrete floor (near the hydraulic lifts) inside the Nike Missile Silos.

- Based on the construction date of the facility (1950s), PCBs may be present in the transformers and the hydraulic lifts within the Nike Missile Facility. It was recommended that the liquid in the transformers and hydraulic oil tank be sampled and analyzed.
- A Phase II level investigation was recommended to determine the level of potential contamination associated with the historic use of the Upper Point Vicente Area.
- Any proposed modifications to the Nike Missile silos should be coordinated with the appropriate authorities from the United States Department of the Interior or National Park Service.
- The U.S. Army Corps of Engineers Ordnance and Explosive Chemical Warfare Material Archives Search in 2000 did not locate any documentation relating to chemical warfare materials activities, including chemical warfare training, chemical warfare material storage, use or disposal at the Point Vicente Seacoast Defense Sites. Investigation of historical records did not reveal any certificates of ordnance clearance, decontamination, or dedudding associated with the Point Vicente Seacoast Defense Sites. The archive search did not find any indication of a current ordnance and explosive hazard from the military's use of Point Vicente Seacoast Defense Sites. The site survey did not reveal any specific ordnance or explosive hazard at the areas inspected.
- Based on the existing documentation, it is unclear whether the former Nike Missile Facility has been cleared by the DOD for further development opportunities.
- No significant environmental condition associated with the stockpiling of material such as yard waste and other non-hazardous materials was observed in the City Corporate Yard.
- No significant environmental conditions were noted to result in impacts to the project site for offsite facilities or land uses.

**Site Investigation for the Former Nike Missile Facility. Prepared for the City of Rancho Palos Verdes. Prepared by PSI. September 7, 2005.**

PSI performed an assessment in 2005 to address some of the recommendations put forth in the 2000 RBF Consulting Phase I. PSI performed a geophysical survey and limited soil sampling in the vicinity of the Nike Missile Silos, Public Works maintenance building, and sign storage building. Soil samples were collected from 24 soil borings advanced throughout the property and analyzed for petroleum hydrocarbons, volatile organic compounds, metals, pesticides, and PCBS. The results of the laboratory analysis identified several areas with concentrations of regulated metals that would require further analysis to determine waste disposal characteristics and one location with a concentration of dieldrin above residential health standards. Additionally, a geophysical anomaly indicative of several underground storage tanks was identified near the Public Works maintenance building. PSI recommended that the areas of metal

and pesticide impacted soil be further evaluated and the soil above the geophysical anomaly be excavated to determine the presence of underground storage tanks.

**Limited Site Investigation Report. Upper Point Vicente. Prepared for the City of Rancho Pals Verdes. Prepared by PSI. March 12, 2009.**

In 2009, PSI collected soil samples from five soil borings in the vicinity of the elevated metals concentrations. The results of this analysis revealed no concentrations of regulated metals in excess of human health guidelines or soluble metal concentrations above hazardous waste disposal limits. PSI recommended no further assessment.

**Underground Storage Tank Exploration Letter Report. Upper Point Vicente. Prepared for the City of Rancho Pals Verdes. Prepared by PSI. March 25, 2009.**

In March of 2009, PSI directed excavation activities in the area of the suspected underground storage tanks identified during the 2005 geophysical survey. The excavation revealed that the geophysical anomaly was actually a large concrete pad-like footing placed over bedrock and not an underground storage tank. PSI recommended no further assessment.

### **4.3 PROCEEDINGS**

The client provided PSI with documentation about legal proceedings or litigation involving the subject property. The documentation indicated that at present, the subject property is not part of any legal proceedings or litigation.

### **4.4 SUGGESTED INFORMATION**

PSI requested certain information about the property to assist with our assessment. Most of this information, such as the nature of the property and its legal description, are presented in the corresponding section of this report.

### **4.5 FINDINGS**

A previous site assessment performed in 2005, revealed one area of shallow soil impacted with dieldrin, a pesticide, above human health limits for residential land use. This concentration however is below commercial/industrial land use human health guidelines. Based on the current usage of the subject property, this concentration is not considered to represent a recognized environmental condition.

## 5 SUBJECT PROPERTY USAGE

### 5.1 LOCATION AND LEGAL DESCRIPTION

<b>Summary</b>	
<b>Project Name</b>	Upper Point Vicente
<b>Property Address</b>	30940 Hawthorne Boulevard
<b>City, County, State, ZIP Code</b>	Rancho Palos Verdes, Los Angeles County, California, 90275
<b>No. Buildings/Stories/Square Footage (sf)</b>	City Hall Building: Two Stories-17,530 sf Community Development Department: Single Story-4,604 sf Computer Training Building: Single Story-3,083 sf Cable TV Building: Single Story-1,242 sf Public Works Maintenance Building: Single Story-890 sf Road Sign Storage Building: Single Story-880 sf
<b>Site Area (acres)</b>	Approximately 23 acres
<b>Occupied Subgrade Spaces?</b>	Two Nike Missile Silos-not accessed
<b>Year(s), First Developed for Current Use</b>	1942-Construction of Point Vicente Military Reservation
<b>Year Significant Renovations</b>	~1950-Addition of Nike and Ajax Missile Silos 1979-Conversion to the City of Rancho Palos Verdes City Hall

### 5.2 PHYSICAL SETTING

<b>Summary</b>	
<b>Nominal Elevations, (ft, MSL)</b>	368 feet
<b>Surface Topo Characteristics</b>	General topographic gradient towards the south-southwest
<b>General Soil Type</b>	Calleguas Clay Loam
<b>Does EDR Map a Floodplain On-Site?</b>	No
<b>On-Site Water Bodies</b>	None
<b>Off-Site Water Bodies</b>	None on adjoining properties
Note: MSL means Mean Sea Level	

Information regarding the groundwater table was obtained through previous site assessment reports referenced in Section 4.0 of this report. Based on our interpretation of the physical setting sources and our experience, PSI infers that the shallowest groundwater:

- Occurs at depths greater than 20 feet below the ground surface; and,
- Moves towards the southwest.

### 5.3 CURRENT USES

The subject property is currently developed with the Rancho Palos Verdes City Hall complex. Several buildings are located throughout the 23 acre property known as the Upper Point Vicente. The northwestern portion of the property is developed with three buildings currently occupied by the City Hall, Building and Planning Department, and a community technology center. The western portion of the property is developed with a senior center. The southern portion of the property, a former Nike Missile site, is currently being utilized for trash receptacle storage, a cable TV studio, a vacant guard shack, and a public works storage building. The eastern portion of the property is mostly undeveloped with the exception of a former generator building that is currently used for traffic control equipment and sign storage. The remainder of the property is developed with a tennis court, paved parking, and landscaped areas.

#### 5.3.1 INTERIOR AND EXTERIOR OBSERVATIONS

A summary of uses and conditions is tabulated below. Detailed information is discussed following the summary along with an opinion about the significance of the listing.

Summary		
Identified?		
Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hazardous Substances
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Petroleum Products
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Aboveground or Underground Storage Tanks (ASTs/USTs)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Drums
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Suspect Containers
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electrical or Mechanical Equip. Suspected to Contain PCBs
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Interior Stains or Corrosion
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drains or Sumps
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wastewater Discharges
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Septic or Sewage Tanks
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pits, Ponds or Lagoons
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pools of Liquid or Standing Water
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solid Waste Dumping/Landfills/Suspect Fill Material
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stained Soil or Pavement
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stressed Vegetation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drinking Water Wells

<b>Summary</b>		
<b>Identified?</b>		
<b>Yes</b>	<b>No</b>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Irrigation Wells
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Monitoring Wells
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Odors
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Uses or Conditions of Concern

### **Hazardous Substances**

The use of hazardous substances on site is primarily limited to the public works maintenance building. One small cabinet for the storage of paints, oils, and other flammable liquids was observed inside the maintenance building. No evidence of spills or releases was observed. Based on site observation, the use and storage of hazardous substances on the subject property is not considered to represent a recognized environmental condition.

### **Petroleum Products**

The use of petroleum products on site is primarily limited to the storage cabinet located in the public works maintenance building previously discussed above. Two large propane above-ground storage tanks (discussed below) are also present on the subject property. Based on site observation, the use and storage of petroleum products on the subject property is not considered to represent a recognized environmental condition.

### **Drums**

Several drums of soil generated during a previous geotechnical investigation were observed throughout the southern portion of the subject property. These drums were observed to be in good condition with no evidence of leaks. While not considered a recognized environmental condition, it is recommended that these drums be disposed of in accordance with local waste disposal protocols.

### **ASTs/USTs**

Two large propane ASTs are located on the southern portion of the subject property near the public works maintenance building. These ASTs are used to supply the emergency power generator. These ASTs were observed to be good condition and do not represent a recognized environmental condition.

## Electrical or Mechanical Equipment Suspected to Contain PCBs

Several pad-mounted transformers were observed throughout the exterior portions of the subject property. The transformers appeared to be in good condition with no evidence of leaks or staining. The presence of these transformers on the subject property does not represent evidence of a recognized environmental condition.

### 5.3.2 UTILITIES

Utility systems identified at the property are summarized below:

- Facility heating is provided by electric resistance space heaters located throughout the various buildings. Air conditioning units are limited to a few locations serving computer server rooms and are all electrically powered.
- Sewage disposal at the property is provided through municipal sources.
- Potable water at the property is obtained through municipal sources.

### 5.4 PAST USES

Our interpretation of the past uses of the property is tabulated below.

Summary	
Year(s)	Interpreted Property Use
1928-1942	An historic aerial photograph and topographic map depicted the property to be undeveloped.
1947-1953	Aerial photographs and a historic topographic map depicted the property to be developed with several small buildings within a United States Military Reservation.
1965-2005	Aerial photographs and historic topographic maps depicted the property to be developed with the present day improvements including the Nike Missile Silos.  By 1979 the Nike missile base had been decommissioned by the United States Military and turned over to the City of Rancho Palos Verdes for use as a city hall complex.
2010	Site Reconnaissance: The subject property was developed with the City of Rancho Palos Verdes City Hall complex.

The subject property was first developed in 1942 as part of the Harbor Defenses of Los Angeles. The subject property was developed with anti-aircraft fire control and gun emplacements. In the early 1950's the subject property was developed with administration and launch facilities for the Nike Ajax and Nike Hercules anti-aircraft missile systems. As the missile systems became obsolete in the early 1970's the site was decommissioned and turned over to the city of Rancho Palos Verdes in 1979. The site has continued to operate at the Rancho Palos Verdes City Hall complex since 1979.

PSI identified no evidence of RECs in the past uses of the property.

## 6 ADJOINING AND SURROUNDING PROPERTY USAGE

A summary of our interpretation of the current and past uses and conditions of adjoining and surrounding property based on historical records and observations is provided below.

<b>Adjoining North</b>	
<b>Year(s)</b>	<b>Interpreted Property Use</b>
1928	An historic aerial photograph and topographic map depicted the property to be undeveloped.
1942-1981	Historical aerial photographs and historical topographic maps depicted the property to be developed with Hawthorne Boulevard followed by Vacant land.
1990-2005	Aerial photographs depicted the property to be developed with Hawthorne Boulevard followed by residential development.
2010	Site Reconnaissance: The subject property was developed with Hawthorne Boulevard followed by residential development.

<b>Adjoining East</b>	
<b>Year(s)</b>	<b>Interpreted Property Use</b>
1928-1965	Historical aerial photographs and historical topographic maps depicted the property to be undeveloped.
1976-2005	Historical aerial photographs and historical topographic maps depicted the property to be developed with tennis courts.
2010	Site Reconnaissance: The subject property was developed with tennis courts and racquet club.

<b>Adjoining South</b>	
<b>Year(s)</b>	<b>Interpreted Property Use</b>
1928-2005	Historical aerial photographs and historical topographic maps depicted the property to be undeveloped.
2010	Site Reconnaissance: The property was undeveloped.

<b>Adjoining West</b>	
<b>Year(s)</b>	<b>Interpreted Property Use</b>
1928-1942	An historic aerial photograph and topographic map depicted the property to be undeveloped.
1947-1953	Aerial photographs and a historic topographic map revealed the property to be developed with several small buildings within a United States Military Reservation.
1965-2005	Aerial photographs and historic topographic maps depicted the property to be developed with the present day improvements currently owned and operated by the United States Coast Guard.

<b>Adjoining West</b>	
<b>Year(s)</b>	<b>Interpreted Property Use</b>
2010	Site Reconnaissance: The property was developed with a United States Coast Guard Bunker and Communications Tower.

Current uses of the adjoining properties consist of: Hawthorne Boulevard followed by residential development to the north, undeveloped land to the south, a racquet club to the east, and a coast guard communication facility to the west.

The adjoining properties were undeveloped land until the early 1940's when the western adjoining property was developed as part of the military reservation formerly located on the subject property. By the mid 1970's the eastern adjoining property was developed with a racquet club. By 1990, the northern adjoining property, across Hawthorne Boulevard, was developed with residential development.

PSI identified no evidence of RECs in the current and past uses of adjoining and surrounding property.

## 7 ENVIRONMENTAL REGULATORY RECORDS REVIEW

### 7.1 DATABASE FINDINGS

The distribution of listed sites with respect to the property is tabulated and mapped in EDR's report, which is appended. PSI did not image EDR's results table into the body of this report to reduce the chance for transcription errors. The reader is referred to this table which can be found near the front of EDR's report.

EDR reported unmappable (orphan) listed sites. PSI reviewed the information EDR provided about these sites, and those that could be field-verified within the AMSD are discussed in the appropriate section below.

#### 7.1.1 SUBJECT PROPERTY

The subject property was identified in EDR's report as further discussed below.

Facility Name Address	County Sanitation Dist of Los Angeles 30940 Hawthorne Boulevard Rancho Palos Verdes, CA 90275	Map ID No. Distance Direction	A1-A2 and A5-A8 Subject Property N/A
<p>The subject property was identified on the HAZNET database.</p> <p>According to the HAZNET database, this facility has disposed of approximately 0.66 tons of aqueous solutions and 250 tons of household waste to an off-site facility. No reports of spills, releases, or violations were identified.</p> <p>Based on the lack of evidence suggesting a latent release of hazardous materials at the subject property, these listings are not considered to represent a recognized environmental condition in connection with the subject property.</p>			

#### 7.1.2 ADJOINING AND SURROUNDING PROPERTY

EDR reported sites adjoining and surrounding the subject property.

PSI considered most of the listed sites unlikely to impact the subject site, based upon factors including (but not limited to):

- The nature of the listing,
- The use of the site,
- When the site was listed and its current listed status,
- The developmental density of the setting,
- The distance between the listed and subject sites as related to the distance that releases are likely to migrate based on local surface and subsurface drainage conditions,
- The presence of intervening drainage divides, and/or
- The inferred groundwater movement.

PSI's discussion of the remaining site follows.

Facility Name Address	Point Vicente Palos Verdes Drive/Hawthorne Boulevard Rancho Palos Verdes, California 90275	Map ID No. Distance Direction	B12 - Southeast
<p>This facility was identified on the Historic Cal-Sites, Cortese, DEED, and Envirostor Databases. The United States Army established the Point Vicente Military Reservation and Fire Control Sites as part of the harbor defenses of Los Angeles between 1942 and 1945. The site consisted of 19 tracts of land distributed over a 10-square mile area. While the Nike Missile base located on the subject property was part of the Point Vicente Military Reservation, the property associated with this listing was actually a small arms shooting ranch located southwest of the subject property (topographically down-gradient) south of Palos Verdes Drive currently occupied by the Point Vicente Interpretive Center. In 2002, approximately 4,800 cubic yards of lead impacted soil were excavated and removed from this facility. However, The California Department of Toxic Substances Control (DTSC) deferred its final approval of the final draft closure report pending the Deed Restriction document submittal and finalization to reflect the mitigating measures to the existing building location and the asphalt covered areas within the Point Vicente Interpretive Center. In June of 2006 and Deed Restriction document was filed with the Los Angeles County Recorder's Office. The current status of this facility is listed as <i>Certified/Operations and Maintenance</i> on the DTSC Envirostor web page. Based on the down-gradient position of this facility and separation distance with respect to the subject property, contaminant of concern, and current regulatory status, this facility is not considered to represent a recognized environmental condition in connection with the subject property.</p>			

## 7.2 OTHER REGULATORY INFORMATION

PSI submitted Freedom of Information requests to the agency tabulated below. Response status is also tabulated.

Summary		
Response?		
Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Los Angeles County Public Works Department
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Los Angeles County Fire Department- Public Health Investigations Unit
Note: Response status based on date of report.		

- An interview with the administrative assistant at the Los Angeles County Department of Public Works Environmental Programs Division indicated that a underground storage tank file for the subject property address had been lost and/or destroyed. According to their computer database, the status for this underground storage tank was "closed."

## 8 INTERVIEWS

### 8.1 INTERVIEW PARTIES

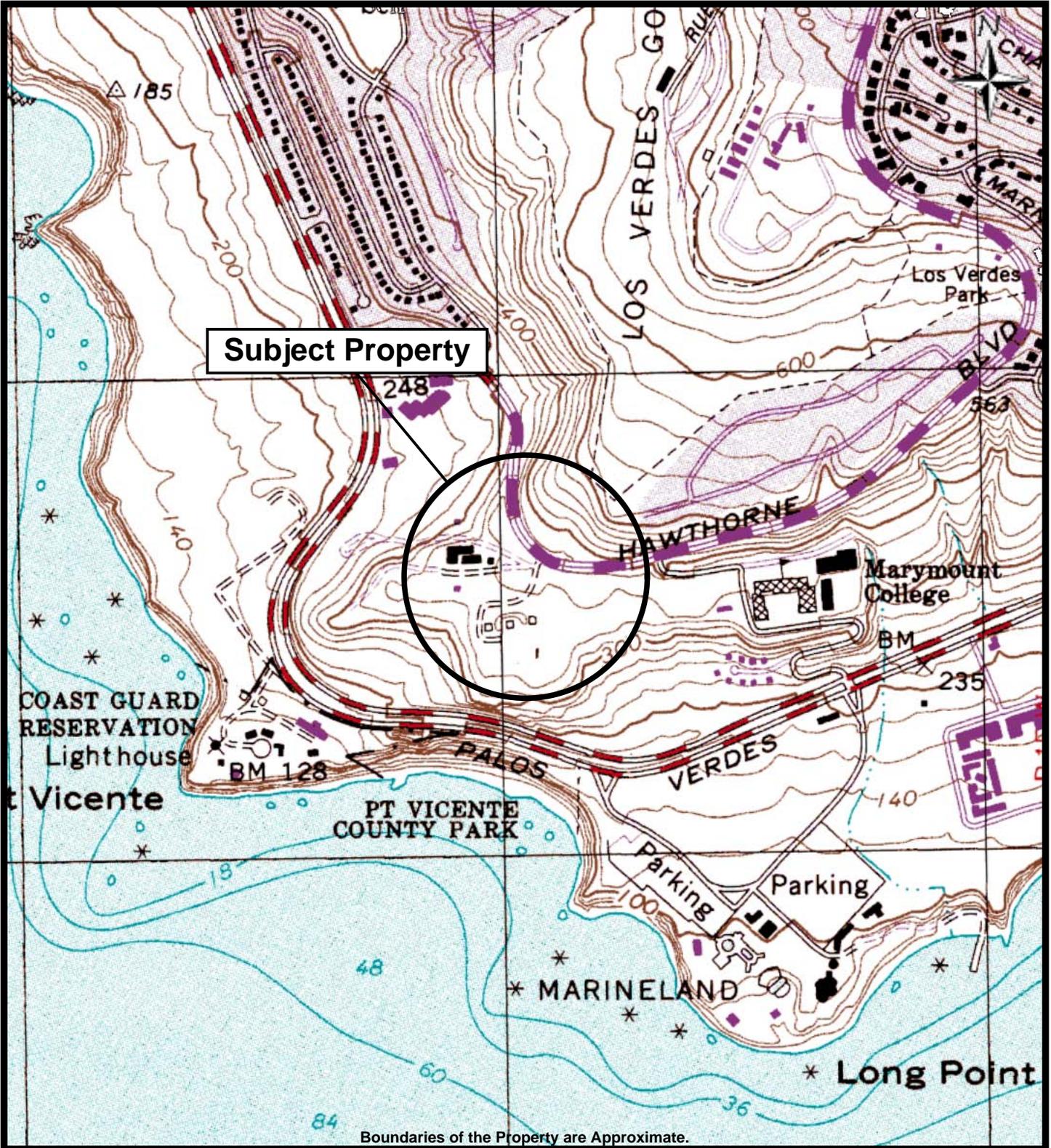
Summary		
Name	Affiliation	Role
Ms. Sara Singer	City of Rancho Palos Verdes-Senior Administrative Analyst	Client Contact
Ms.Carolynn Petru	City of Rancho Palos Verdes-Deputy City Manager	Key Site Manager/User
Administrative Assistant	Los Angeles County Department of Public Works	Local Government Official

### 8.2 INTERVIEW FINDINGS

- Ms. Singer provided PSI with site access instructions and escorted our assessor during site reconnaissance.
- Ms. Petru provided PSI with basic site information, history, and several historical reports.

# **Appendix A:**

## **Figures**

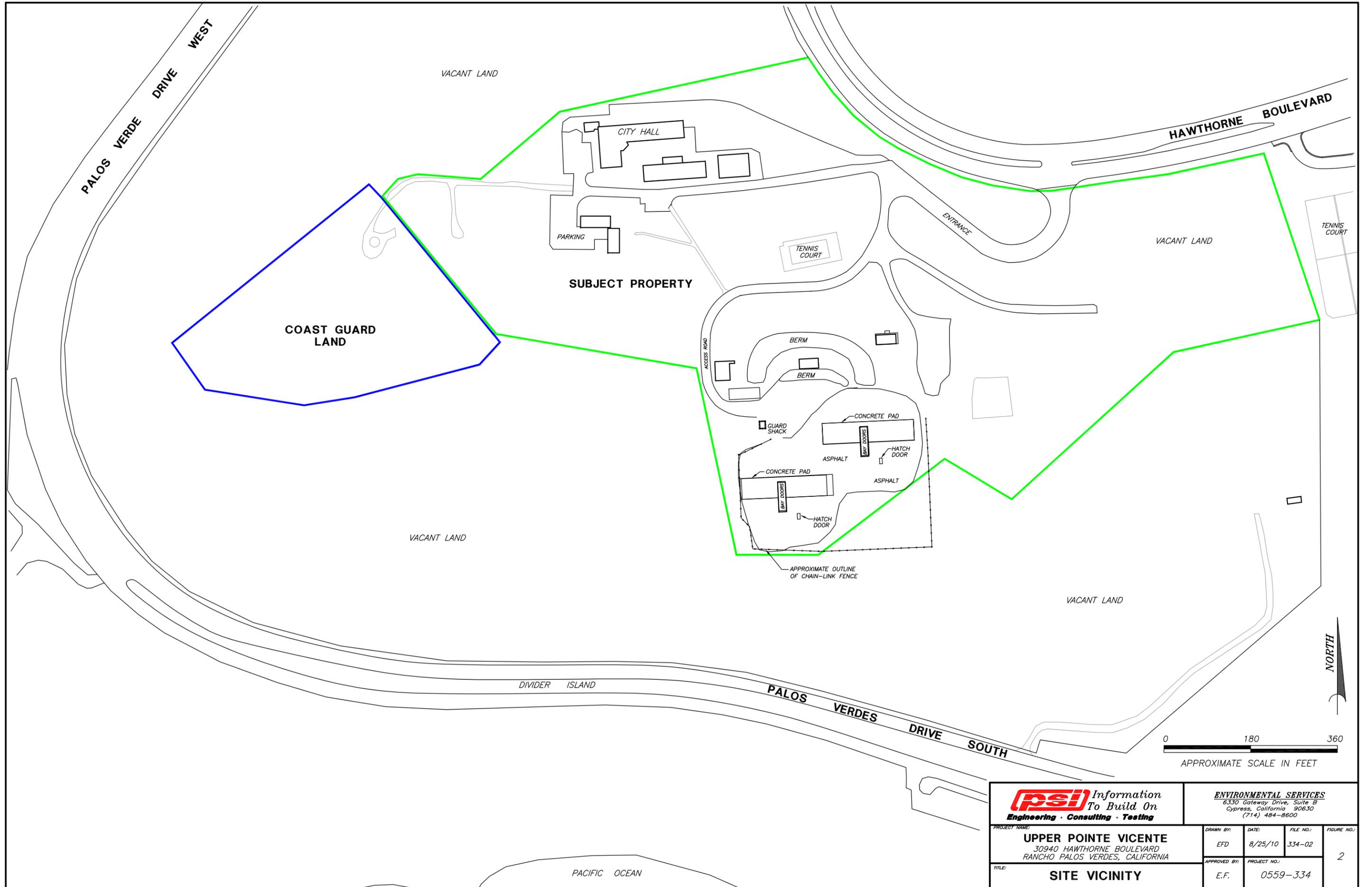


SITE LOCATION MAP  
Upper Point Vicente  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

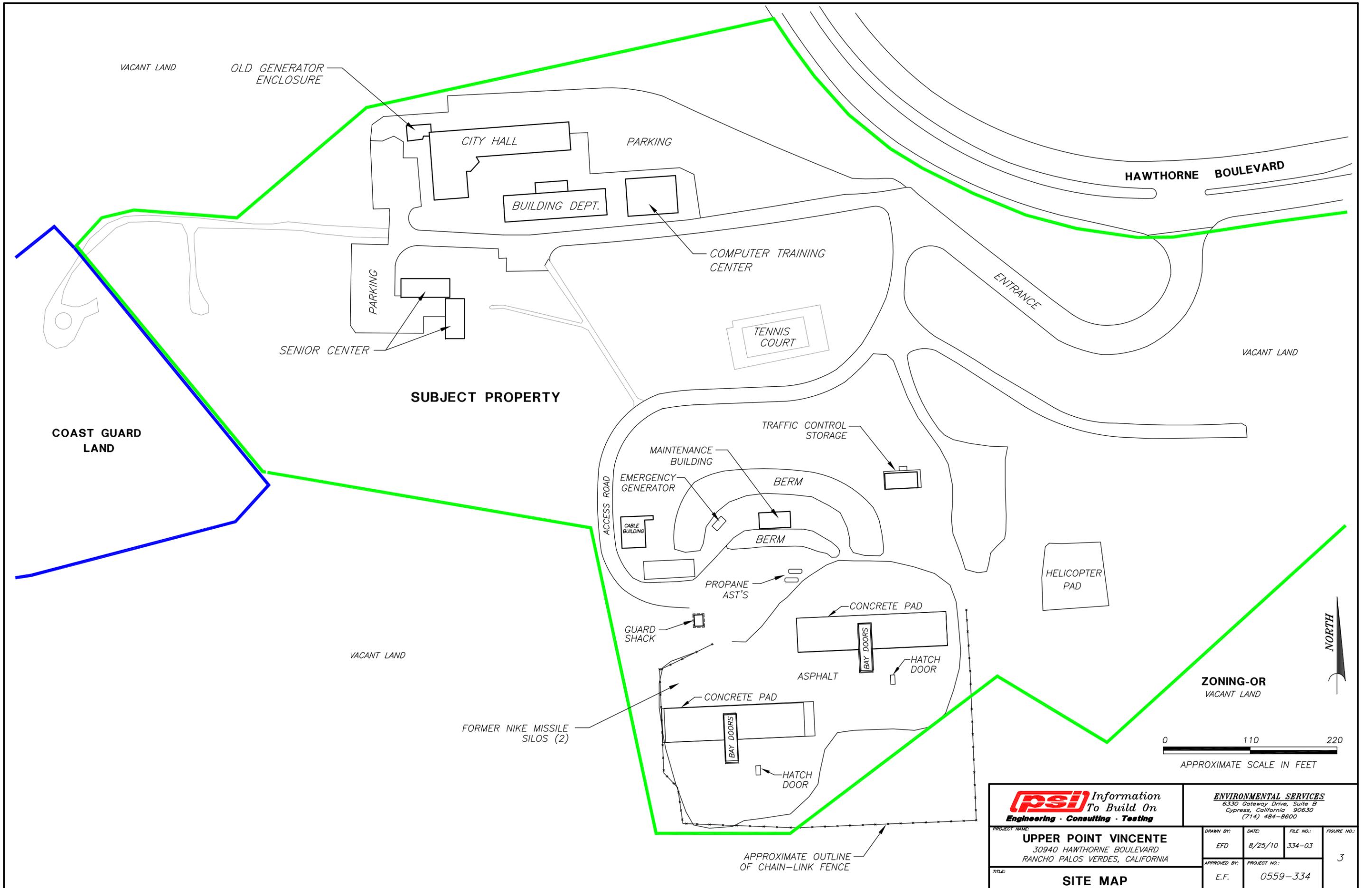
PREPARED FOR: The City of Rancho Palos Verdes  
PROJ. MGR: Eric Fraske  
DRAWN BY: Eric Fraske

DATE: 09/01/2010  
PROJ. #: 0559334

**psi** Information  
To Build On  
Engineering • Consulting • Testing



 <b>Information To Build On</b> <b>Engineering · Consulting · Testing</b>		<b>ENVIRONMENTAL SERVICES</b> 6330 Gateway Drive, Suite B Cypress, California 90630 (714) 484-8600	
PROJECT NAME: <b>UPPER POINTE VICENTE</b> 30940 HAWTHORNE BOULEVARD RANCHO PALOS VERDES, CALIFORNIA	DRAWN BY: EFD	DATE: 8/25/10	FILE NO.: 334-02
TITLE: <b>SITE VICINITY</b>	APPROVED BY: E.F.	PROJECT NO.: 0559-334	FIGURE NO.: 2



		<b>ENVIRONMENTAL SERVICES</b> 6330 Gateway Drive, Suite B Cypress, California 90630 (714) 484-8600		
PROJECT NAME: <b>UPPER POINT VINCENTE</b> 30940 HAWTHORNE BOULEVARD RANCHO PALOS VERDES, CALIFORNIA		DRAWN BY: EFD	DATE: 8/25/10	FILE NO.: 334-03
TITLE: <b>SITE MAP</b>		APPROVED BY: E.F.	PROJECT NO.: 0559-334	
				FIGURE NO.: 3

**Appendix B:**  
**Photographs**



Western Portion of Subject Property



City Hall Area Looking North



City Hall Entrance



City Hall Parking Lot



Eastern Adjoining Property



Emergency Generator Propane ATS



Emergency Generator



Former Emergency Generator Enclosure



Generator Building (Traffic Control Equipment Storage) Building



Guard Shack



Helicopter Pad



Interior of Community Technology Center



Northeastern Adjoining Property



Northern Adjoining Property



Northwestern Adjoining Property

**Appendix C:**  
**Environmental Database Report**

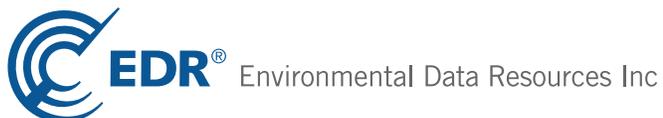
**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.2s

August 20, 2010

**The EDR Radius Map™ Report with GeoCheck®**



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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

30940 HAWTHORNE BOULEVARD  
RANCHO PALOS VERDES, CA 90275

#### COORDINATES

Latitude (North): 33.745000 - 33° 44' 42.0"  
Longitude (West): 118.403800 - 118° 24' 13.7"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 369968.1  
UTM Y (Meters): 3734574.0  
Elevation: 368 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33118-F4 REDONDO BEACH OE S, CA  
Most Recent Revision: 2000

### 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 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
COUNTY SANITATION DIST OF LOS AN 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA 90275	HAZNET	N/A
COUNTY SANITATION DIST OF L. A. 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA 90275	HAZNET	N/A
POINT VICENTE-BATTERY 240 30940 S HAWTHORNE BLVD RANCHO PALOS VERDES, CA	LOS ANGELES CO. HMS	N/A
RANCHO PALOS VERDES REFERRALS 30940 S HAWTHORNE BLVD RANCHO PALOS VERDES, CA	LOS ANGELES CO. HMS	N/A

## EXECUTIVE SUMMARY

LOS ANGELES COUNTY SANITATION DIS 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA 90275	HAZNET	N/A
CITY RANCHO PALOS VERDES DEPT OF 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA 90275	HAZNET	N/A
CITY RANCHO PALOS VERDES 30940 HAWTHORNE RD RANCHO PALOS VERDES, CA 90275	HAZNET	N/A
LA COUNTY SANITATION DISTRICT 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA 90275	HAZNET	N/A
US ARMY CORE OF ENGINEERS 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA 90274	HAZNET	N/A
30940 HAWTHORNE BLVD 30940 HAWTHORNE BLVD RANCHO PALOS VERDES, CA	ERNS	N/A

### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### **STANDARD ENVIRONMENTAL RECORDS**

#### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

## EXECUTIVE SUMMARY

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-LQG..... RCRA - Large Quantity Generators

RCRA-SQG..... RCRA - Small Quantity Generators

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

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

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

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

UST..... Active UST Facilities

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***

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

## **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

## EXECUTIVE SUMMARY

ODI..... Open Dump Inventory  
WMUDS/SWAT..... Waste Management Unit 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  
SCH..... School Property Evaluation Program  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
AOCONCERN..... San Gabriel Valley Areas of Concern  
CDL..... Clandestine Drug Labs  
US HIST CDL..... National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database  
HIST UST..... Hazardous Substance Storage Container Database  
SWEEPS UST..... SWEEPS UST Listing

### **Local Land Records**

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

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing  
MCS..... Military Cleanup Sites Listing

### **Other Ascertainable Records**

RCRA-NonGen..... RCRA - Non Generators  
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  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
FINDS..... Facility Index System/Facility Registry System  
RAATS..... RCRA Administrative Action Tracking System  
CA BOND EXP. PLAN..... Bond Expenditure Plan

## EXECUTIVE SUMMARY

NPDES.....	NPDES Permits Listing
CA WDS.....	Waste Discharge System
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
EML.....	Emissions Inventory Data
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
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
PROC.....	Certified Processors Database
PCB TRANSFORMER.....	PCB Transformer Registration Database
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
MWMP.....	Medical Waste Management Program Listing

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations..	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***State- and tribal - equivalent NPL***

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 08/09/2010 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>POINT VICENTE</i></b>	<b><i>PALOS VERDES DR. / HAWT</i></b>	<b><i>E 1/8 - 1/4 (0.151 mi.)</i></b>	<b><i>B12</i></b>	<b><i>17</i></b>

## EXECUTIVE SUMMARY

### **State- and tribal - equivalent CERCLIS**

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/09/2010 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>POINT VICENTE</b> Status: Certified / Operation & Maintenance	<b>PALOS VERDES DR. / HAWT</b>	<b>E 1/8 - 1/4 (0.151 mi.)</b>	<b>B12</b>	<b>17</b>

### **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 07/23/2010 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>
CONOCOPHILLIPS #257109 Status: Open - Site Assessment	31186 HAWTHORNE BLVD	NW 1/4 - 1/2 (0.367 mi.)	C14	26
<b>UNOCAL #7109</b> Status: Completed - Case Closed	<b>31200 PALOS VERDES DR W</b>	<b>NW 1/4 - 1/2 (0.370 mi.)</b>	<b>C15</b>	<b>27</b>

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 07/23/2010 has revealed that there is 1 SLIC site 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 COVE SHOPPING CENTER Facility Status: Completed - Case Closed	31100 PALOS VERDES DR W	NW 1/4 - 1/2 (0.419 mi.)	16	31

## EXECUTIVE SUMMARY

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/24/2010 has revealed that there is 1 SWRCY site 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>
LA WASTE COLLECTION	31176 HAWTHORNE BLVD	NNW 1/4 - 1/2 (0.364 mi.)	C13	26

#### ***Local Lists of Hazardous waste / Contaminated Sites***

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>POINT VICENTE</i></b>	<b><i>PALOS VERDES DR. / HAWT</i></b>	<b><i>E 1/8 - 1/4 (0.151 mi.)</i></b>	<b><i>B12</i></b>	<b><i>17</i></b>

#### ***Local Land Records***

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 06/14/2010 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>POINT VICENTE</i></b>	<b><i>PALOS VERDES DR. / HAWT</i></b>	<b><i>E 1/8 - 1/4 (0.151 mi.)</i></b>	<b><i>B12</i></b>	<b><i>17</i></b>

#### ***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 12/31/2008 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POINT VICENTE MIL RES FC SITES		E 1/8 - 1/4 (0.151 mi.)	B11	16

## EXECUTIVE SUMMARY

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

A review of the Cortese list, as provided by EDR, and dated 07/08/2010 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>POINT VICENTE</i>	<i>PALOS VERDES DR. / HAWT</i>	<i>E 1/8 - 1/4 (0.151 mi.)</i>	<i>B12</i>	<i>17</i>

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 [CAL SITES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

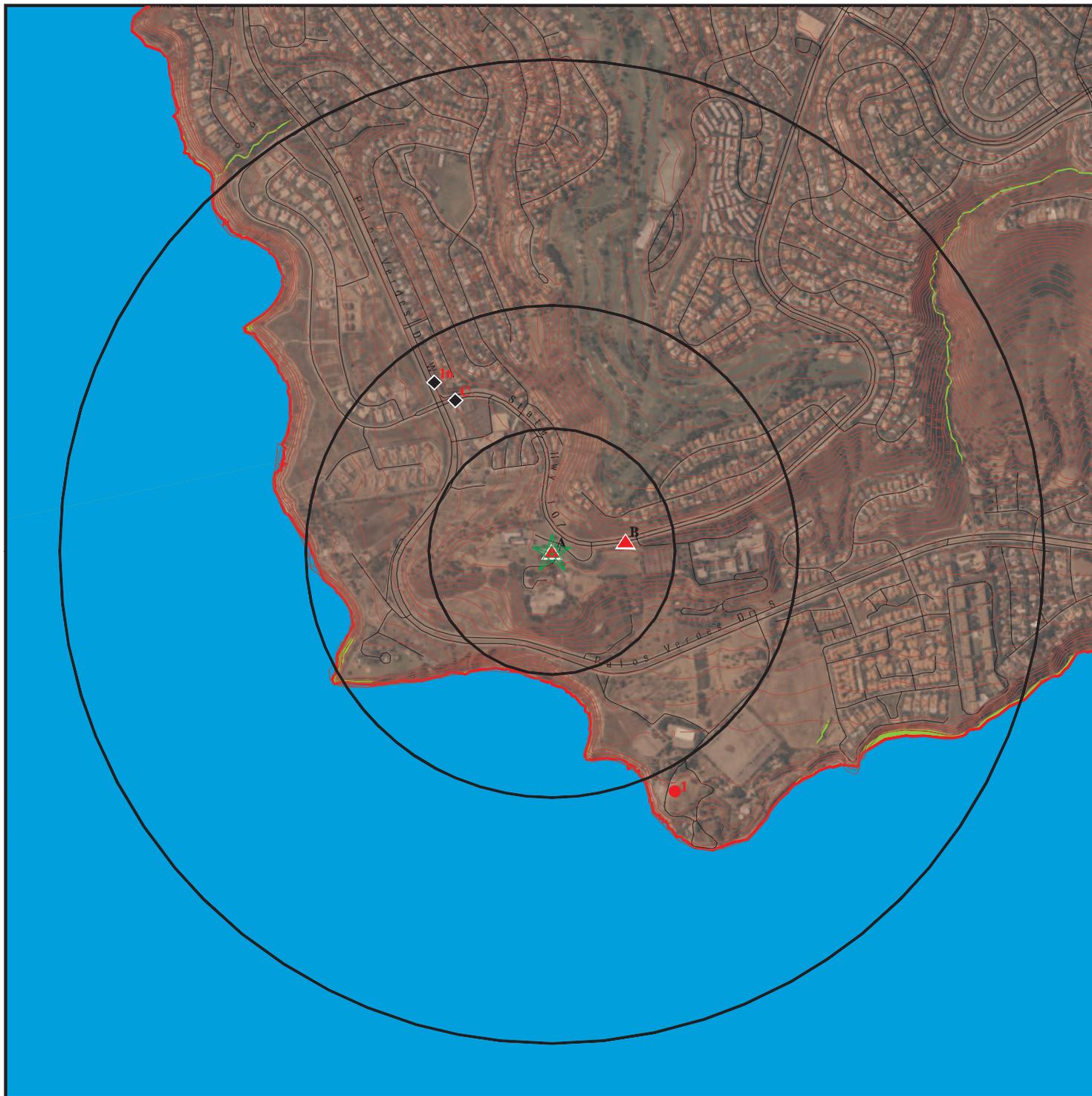
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>UNOCAL #7109</i>	<i>31200 PALOS VERDES DR W</i>	<i>NW 1/4 - 1/2 (0.370 mi.)</i>	<i>C15</i>	<i>27</i>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
SOLEADO ELEMENTARY SCHOOL/PALOS VE	HAZNET
REMAX PALOS VERDES REALTY	HAZNET
31200 PALOS VERDES WEST	ERNS
GOLDEN COVE SHOPPING CENTER	SLIC

# OVERVIEW MAP - 2850857.2s



- ★ 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
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- 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: City of Rancho Palos Verdes Upper Pointe Vincente  
 ADDRESS: 30940 Hawthorne Boulevard  
 Rancho Palos Verdes CA 90275  
 LAT/LONG: 33.7450 / 118.4038

CLIENT: PSI, Inc.  
 CONTACT: Eric Frasse  
 INQUIRY #: 2850857.2s  
 DATE: August 20, 2010 2:29 pm

# DETAIL MAP - 2850857.2s



- ★ 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
- 100-year flood zone
- 500-year flood zone
- 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: City of Rancho Palos Verdes Upper Pointe Vincente  
 ADDRESS: 30940 Hawthorne Boulevard  
 Rancho Palos Verdes CA 90275  
 LAT/LONG: 33.7450 / 118.4038

CLIENT: PSI, Inc.  
 CONTACT: Eric Fraske  
 INQUIRY #: 2850857.2s  
 DATE: August 20, 2010 2:30 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
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
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS		1.000	0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	X	TP	NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE		1.000	0	1	0	0	NR	1
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR		1.000	0	1	0	0	NR	1
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF		0.500	0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST		0.500	0	0	2	NR	NR	2
SLIC		0.500	0	0	1	NR	NR	1

## 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
<b>State and tribal registered storage tank lists</b>								
UST		0.250	0	0	NR	NR	NR	0
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
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
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	1	NR	NR	1
HAULERS		TP	NR	NR	NR	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	1	0	0	NR	1
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
AOCONCERN		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
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
<b>Local Land Records</b>								
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	1	0	NR	NR	1
<b>Records of Emergency Release Reports</b>								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS		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
LDS		TP	NR	NR	NR	NR	NR	0
MCS		TP	NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
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	1	0	0	NR	1
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		TP	NR	NR	NR	NR	NR	0
HIST FTTS		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		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		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
NPDES		TP	NR	NR	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	1	0	NR	NR	1
HIST CORTESE		0.500	0	0	1	NR	NR	1
Notify 65		1.000	0	0	0	0	NR	0
LA Co. Site Mitigation		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
LOS ANGELES CO. HMS	X	TP	NR	NR	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		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
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
PROC		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
MWMP		0.250	0	0	NR	NR	NR	0
<b>EDR PROPRIETARY RECORDS</b>								
<b>EDR Proprietary Records</b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

**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** COUNTY SANITATION DISTRICTS OF LOS ANGELES  
**Target** 30940 HAWTHORNE BLVD  
**Property** RANCHO PALOS VERDES, CA 90275

**HAZNET** S103958950  
N/A

**Site 1 of 10 in cluster A**

**Actual:**  
**368 ft.**

**HAZNET:**

Gepaid: CAH777001027  
Contact: CTY SAN DISTRICTS LA CTY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAT080025711  
TSD County: San Bernardino  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Recycler  
Tons: .6672  
Facility County: Los Angeles

Gepaid: CAH777001027  
Contact: CTY SAN DISTRICTS LA CTY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Not reported  
Tons: .1500  
Facility County: Los Angeles

Gepaid: CAH777001027  
Contact: CTY SAN DISTRICTS LA CTY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 82.8964  
Facility County: Los Angeles

Gepaid: CAH777001027  
Contact: CTY SAN DISTRICTS LA CTY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COUNTY SANITATION DISTRICTS OF LOS ANGELES (Continued)

S103958950

Gen County: Los Angeles  
TSD EPA ID: AZD049318009  
TSD County: 99  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: .8528  
Facility County: Los Angeles

Gepaid: CAH777001027  
Contact: CTY SAN DIST LA CTY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Not reported  
Disposal Method: Transfer Station  
Tons: .0000  
Facility County: Los Angeles

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

A2  
Target  
Property

COUNTY SANITATION DISTRICTS OF L. A. COUNTY  
30940 HAWTHORNE BLVD  
RANCHO PALOS VERDES, CA 90275

HAZNET S103958933  
N/A

Site 2 of 10 in cluster A

Actual:  
368 ft.

HAZNET:  
Gepaid: CAH777000919  
Contact: CTY SANITRATION DIST LA CTY  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906074998  
Gen County: Los Angeles  
TSD EPA ID: CAD088504881  
TSD County: Orange  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: .0050  
Facility County: Los Angeles

Gepaid: CAH777000919  
Contact: CTY SANITRATION DIST LA CTY  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906074998  
Gen County: Los Angeles  
TSD EPA ID: CAD088504881  
TSD County: Orange

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COUNTY SANITATION DISTS OF L. A. COUNTY (Continued)

S103958933

Waste Category: Household waste  
Disposal Method: Recycler  
Tons: 2.0000  
Facility County: Los Angeles

Gepaid: CAH777000919  
Contact: CTY SANITRATION DISTS-LA CTY  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906074998  
Gen County: Los Angeles  
TSD EPA ID: CAD981696420  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Not reported  
Tons: .3336  
Facility County: Los Angeles

Gepaid: CAH777000919  
Contact: CTY SANITRATION DISTS-LA CTY  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906074998  
Gen County: Los Angeles  
TSD EPA ID: CAD981696420  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 2.9190  
Facility County: Los Angeles

Gepaid: CAH777000919  
Contact: CTY SANITRATION DISTS-LA CTY  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906074998  
Gen County: Los Angeles  
TSD EPA ID: UTD981552177  
TSD County: 99  
Waste Category: Household waste  
Disposal Method: Treatment, Incineration  
Tons: 9.1075  
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 3 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

**A3**      **POINT VICENTE-BATTERY 240**      **LOS ANGELES CO. HMS**      **S106027152**  
**Target**      **30940 S HAWTHORNE BLVD**  
**Property**      **RANCHO PALOS VERDES, CA**           **N/A**

**Site 3 of 10 in cluster A**

**Actual:**      LOS ANGELES CO. HMS:  
**368 ft.**      Region:      LA  
                 Facility Id:      017035-023915  
                 Facility Status:      Removed  
                 Area:      23  
                 Permit Number:      000172513  
                 Permit Status:      Removed  
                 Facility Type:      T1

**A4**      **RANCHO PALOS VERDES REFERRALS**      **LOS ANGELES CO. HMS**      **S106027151**  
**Target**      **30940 S HAWTHORNE BLVD**  
**Property**      **RANCHO PALOS VERDES, CA**           **N/A**

**Site 4 of 10 in cluster A**

**Actual:**      LOS ANGELES CO. HMS:  
**368 ft.**      Region:      LA  
                 Facility Id:      017035-022862  
                 Facility Status:      OPEN  
                 Area:      23  
                 Permit Number:      Not reported  
                 Permit Status:      Not reported  
                 Facility Type:      Not reported

**A5**      **LOS ANGELES COUNTY SANITATION DISTRICTS**      **HAZNET**      **S103975349**  
**Target**      **30940 HAWTHORNE BLVD**  
**Property**      **RANCHO PALOS VERDES, CA 90275**           **N/A**

**Site 5 of 10 in cluster A**

**Actual:**      HAZNET:  
**368 ft.**      Gepaid:      CAH777000801  
                 Contact:      LA CTY SAN DISTS  
                 Telephone:      0000000000  
                 Facility Addr2:      Not reported  
                 Mailing Name:      Not reported  
                 Mailing Address:      1955 WORKMAN MILL ROAD  
                 Mailing City,St,Zip:      WHITTIER, CA 906010000  
                 Gen County:      Los Angeles  
                 TSD EPA ID:      UTD981552177  
                 TSD County:      99  
                 Waste Category:      Household waste  
                 Disposal Method:      Treatment, Incineration  
                 Tons:      7.2400  
                 Facility County:      Los Angeles  
  
                 Gepaid:      CAH777000801  
                 Contact:      LA CTY SAN DISTS  
                 Telephone:      0000000000  
                 Facility Addr2:      Not reported  
                 Mailing Name:      Not reported  
                 Mailing Address:      1955 WORKMAN MILL ROAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LOS ANGELES COUNTY SANITATION DISTRICTS (Continued)

S103975349

Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Recycler  
Tons: 6.5650  
Facility County: Los Angeles

Gepaid: CAH777000801  
Contact: LA CTY SAN DISTS  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL ROAD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Treatment, Tank  
Tons: .2000  
Facility County: Los Angeles

Gepaid: CAH777000801  
Contact: LA CTY SAN DISTS  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL ROAD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 42.1400  
Facility County: Los Angeles

Gepaid: CAH777000801  
Contact: LA CTY SAN DISTS  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL ROAD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD981696420  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Not reported  
Tons: .6880  
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access  
2 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

**A6** CITY RANCHO PALOS VERDES DEPT OF PUBLIC WORKS  
**Target** 30940 HAWTHORNE BLVD  
**Property** RANCHO PALOS VERDES, CA 90275

**HAZNET** S108745005  
N/A

**Site 6 of 10 in cluster A**

**Actual:**  
**368 ft.**

HAZNET:  
Gepaid: CAC002609619  
Contact: LARRY STEELE/PUBLIC WORKS MGR  
Telephone: 3108091599  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 30940 HAWTHORNE BLVD  
Mailing City,St,Zip: RANCHO PALOS VERDES, CA 902755351  
Gen County: Los Angeles  
TSD EPA ID: CAD044429835  
TSD County: Los Angeles  
Waste Category: Other organic solids  
Disposal Method: H14  
Tons: 0.01  
Facility County: Los Angeles

**A7** CITY RANCHO PALOS VERDES  
**Target** 30940 HAWTHORNE RD  
**Property** RANCHO PALOS VERDES, CA 90275

**HAZNET** S103957474  
N/A

**Site 7 of 10 in cluster A**

**Actual:**  
**368 ft.**

HAZNET:  
Gepaid: CAC001372360  
Contact: DEAN ALLISON  
Telephone: 3105416500  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 30940 HAWTHORNE RD  
Mailing City,St,Zip: RANCHO PALOS VERDES, CA 902750000  
Gen County: Los Angeles  
TSD EPA ID: CAT080033681  
TSD County: Los Angeles  
Waste Category: Other organic solids  
Disposal Method: Disposal, Land Fill  
Tons: 0.3  
Facility County: Los Angeles

Gepaid: CAC001372360  
Contact: DEAN ALLISON  
Telephone: 3105416500  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 30940 HAWTHORNE RD  
Mailing City,St,Zip: RANCHO PALOS VERDES, CA 902750000  
Gen County: Los Angeles  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Waste oil and mixed oil  
Disposal Method: Recycler  
Tons: 1.45  
Facility County: Not reported

Gepaid: CAC001372360

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY RANCHO PALOS VERDES (Continued)**

**S103957474**

Contact: CITY RANCHO PALOS VERDES  
Telephone: 3105416500  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 30940 HAWTHORNE RD  
Mailing City,St,Zip: RANCHO PALOS VERDES, CA 902750000  
Gen County: Los Angeles  
TSD EPA ID: CAD028409019  
TSD County: Los Angeles  
Waste Category: Off-specification, aged, or surplus inorganics  
Disposal Method: Treatment, Tank  
Tons: .0041  
Facility County: Los Angeles

**A8  
Target  
Property**

**LA COUNTY SANITATION DISTRICT  
30940 HAWTHORNE BLVD  
RANCHO PALOS VERDES, CA 90275**

**HAZNET S104575184  
N/A**

**Site 8 of 10 in cluster A**

**Actual:  
368 ft.**

HAZNET:  
Gepaid: CAH111000844  
Contact: JOE REILLY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 35.62  
Facility County: Not reported

Gepaid: CAH111000844  
Contact: JOE REILLY  
Telephone: 5626997411  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: AZD049318009  
TSD County: 99  
Waste Category: Household waste  
Disposal Method: Treatment, Incineration  
Tons: 2.62  
Facility County: Los Angeles

Gepaid: CAH111000844  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LA COUNTY SANITATION DISTRICT (Continued)**

**S104575184**

Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Transfer Station  
Tons: 48.2475  
Facility County: Los Angeles

Gepaid: CAH111000844  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Treatment, Tank  
Tons: .4000  
Facility County: Los Angeles

Gepaid: CAH111000844  
Contact: LA COUNTY SANITATION DISTRICT  
Telephone: 5629089572  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 1955 WORKMAN MILL RD  
Mailing City,St,Zip: WHITTIER, CA 906010000  
Gen County: Los Angeles  
TSD EPA ID: CAD050806850  
TSD County: Los Angeles  
Waste Category: Household waste  
Disposal Method: Not reported  
Tons: 12.2725  
Facility County: Los Angeles

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

**A9** **US ARMY CORE OF ENGINEERS**  
**Target** **30940 HAWTHORNE BLVD**  
**Property** **RANCHO PALOS VERDES, CA 90274**

**HAZNET** **S103651549**  
**N/A**

**Site 9 of 10 in cluster A**

**Actual:**  
**368 ft.**

HAZNET:  
Gepaid: CAC001141160  
Contact: Not reported  
Telephone: 0000000000  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 30940 HAWTHORNE BLVD  
Mailing City,St,Zip: RANCHO PALOS VERDES, CA 902740000  
Gen County: Los Angeles  
TSD EPA ID: CAD028409019  
TSD County: Los Angeles

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**US ARMY CORE OF ENGINEERS (Continued)**

**S103651549**

Waste Category: Aqueous solution with less than 10% total organic residues  
 Disposal Method: Treatment, Tank  
 Tons: 1.6680  
 Facility County: Los Angeles

**A10**  
**Target**  
**Property**

**30940 HAWTHORNE BLVD**  
**30940 HAWTHORNE BLVD**  
**RANCHO PALOS VERDES, CA**

**ERNS 8857027**  
**N/A**

**Site 10 of 10 in cluster A**

**Actual:**  
**368 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**B11**  
**East**  
**1/8-1/4**  
**0.151 mi.**  
**799 ft.**

**POINT VICENTE MIL RES FC SITES**  
**RANCHO PALOS VERDES, CA**  
**Site 1 of 2 in cluster B**

**FUDS 1007212272**  
**N/A**

**Relative:**  
**Higher**

FUDS:  
 Federal Facility ID: CA9799F5568  
 FUDS #: J09CA0558  
 INST ID: 61172  
 Facility Name: POINT VICENTE MIL RES FC SITES  
 City: RANCHO PALOS VERDES  
 State: CA  
 EPA Region: 9  
 County: LOS ANGELES  
 Congressional District: 46  
 US Army District: Los Angeles District (SPL)  
 Fiscal Year: 2008  
 Telephone: 213-452-3921  
 NPL Status: Not Listed  
 RAB: Not reported  
 CTC: 1283.59005  
 Current Owner: CITY; COUNTY; PRIVATE

**Actual:**  
**406 ft.**

FUDS Description Details:

The site comprises 107.77 acres 13 miles west of Long Beach, California.

FUDS History Details:

The U.S. Army established the Pt. Vicente Military Reservation and Fire Control Sites as part of the harbor defenses of Los Angeles between 1942 and 1945. The site consisted of 19 tracts distributed over a 10-sq-mile area. The Military Reservation was subsequently incorporated into the Los Angeles Defense Area as Nike Battery 55, J09CA015500, a duplicate of this site.

FUDS Current Program Details:

FUDS Future Program Details:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B12**  
**East**  
**1/8-1/4**  
**0.151 mi.**  
**799 ft.**

**POINT VICENTE**  
**PALOS VERDES DR. / HAWTHORNE BLVD.,**  
**RANCHO PALOS VER, CA 90275**  
**Site 2 of 2 in cluster B**

**HIST Cal-Sites** **S106800173**  
**Cortese** **N/A**  
**DEED**  
**RESPONSE**  
**ENVIROSTOR**

**Relative:**  
**Higher**

HISTORICAL CAL-SITES:

**Actual:**  
**406 ft.**

Facility ID: 19970023  
 Region: 3  
 Region Name: GLENDALE  
 Branch: SO  
 Branch Name: OMF-SOUTHERN CALIF  
 File Name: SAME  
 State Senate District: 08072001  
 Status: AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE  
 Status Name: ANNUAL WORKPLAN - ACTIVE SITE  
 Lead Agency: DTSC  
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
 Facility Type: CLOSE  
 Type Name: CLOSED MILITARY BASE  
 NPL: Not Listed  
 SIC Code: 97  
 SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS  
 Access: Not reported  
 Cortese: Not reported  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Not reported  
 Staff Member Responsible for Site: OPATRICK  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: Not reported  
 Region Water Control Board Name: Not reported  
 Lat/Long Direction: Not reported  
 Lat/Long (dms): 0 0 0 / 0 0 0  
 Lat/long Method: Not reported  
 Lat/Long Description: Not reported  
 State Assembly District Code: 54  
 State Senate District Code: 25  
 Facility ID: 19970023  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: PVICC  
 Proposed Budget: 0  
 AWP Completion Date: 04022003  
 Revised Due Date: Not reported  
 Comments Date: 04022003  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 2500  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: N  
 Activity Comments: Not reported  
 For Commercial Reuse: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

For Industrial Reuse: 0  
For Residential Reuse: 1.50000  
Unknown Type: 0  
Facility ID: 19970023  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: PVICC  
Proposed Budget: 0  
AWP Completion Date: 05232002  
Revised Due Date: Not reported  
Comments Date: 05232002  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19970023  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: PVICC  
Proposed Budget: 0  
AWP Completion Date: 05232002  
Revised Due Date: Not reported  
Comments Date: 05232002  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP  
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
Liquids Removed (Gals): 0  
Liquids Treated (Gals): 0  
Action Included Capping: Not reported  
Well Decommissioned: Not reported  
Action Included Fencing: Not reported  
Removal Action Certification: Not reported  
Activity Comments: Not reported  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 19970023  
Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: VCA  
Proposed Budget: 0  
AWP Completion Date: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

Comments Date: 05232000  
Comments: DTSC entered into a voluntary cleanup Agreement (Agreement) with  
Comments Date: 05232000  
Comments: the City of Rancho Palos Verdes (Proponent). The purpose of this  
Comments Date: 05232000  
Comments: Agreement is for the Proponent to conduct a Remedial Investigati  
Comments Date: 05232000  
Comments: on/Feasibility Study (RI/FS) and a Removal Action Workplan (RAW)  
Comments Date: 05232000  
Comments: under the oversight of DTSC.  
Comments Date: 05232002  
Comments: RAP - PVIC Center: The Army Corp of Engineers submitted a Final R  
Comments Date: 05232002  
Comments: emedial Action Plan (RAP) Report in April 2002 documenting the so  
Comments Date: 05232002  
Comments: il and groundwater investigation conducted at the Center. The R  
Comments Date: 05232002  
Comments: emedial action consists of a surface drainage ditches constructio  
Comments Date: 05232002  
Comments: n, a lead contaminated soil excavation, an existing building deed  
Comments Date: 05232002  
Comments: restriction, and a five-year site review. DTSC concurs with th  
Comments Date: 05232002  
Comments: e above-stated RAP recommendations. A copy of our May 20, 2002 -  
Comments Date: 05232002  
Comments: approval letter is attached. RIFS - PVIC Center: The Army Corp  
Comments Date: 05232002  
Comments: of Engineers submitted a Final Remedial Investigation/Feasibilit  
Comments Date: 05232002  
Comments: y Study (RI/FS) Report in April 2002 documenting the soil and gro  
Comments Date: 05232002  
Comments: undwater investigation conducted at the Center. The RI confirme  
Comments Date: 05232002  
Comments: oval action. DTSC concurs with the RI recommendation for a remov  
Comments Date: 05232002  
Comments: al action and the FS recommendation of lead excavation and deed r  
Comments Date: 05232002  
Comments: estriction of existing building. A copy of our May 20, 2002 - ap  
Comments Date: 05232002  
Comments: proval letter is attached.  
Comments Date: 08292001  
Comments: Army Corps of Engineers took over as PRP because site is eligible  
Comments Date: 08292001  
Comments: as a formerly used defense site. City of RPV stated that they  
Comments Date: 08292001  
Comments: will terminate the Voluntary Cleanup Agreement and will work with  
Comments Date: 08292001  
Comments: Army Corps and DTSC.  
ID Name: Not reported  
ID Value: Not reported  
Alternate Name: POINT VICENTE INTERPRETIVE CENTERSAMEPOINT VICENTE  
Special Programs Code: Not reported  
Special Programs Name: Not reported

Cortese:  
Region: CORTESE  
Envirostor Id: 19970023

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

Site/Facility Type: STATE RESPONSE  
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS  
Status Date: 1/6/2009  
Site Code: 400953  
Latitude: 33.741666666666703  
Longitude: -118.405555555555601

**DEED:**

Area: PROJECT WIDE  
Sub Area: Not reported  
Site Type: STATE RESPONSE  
Status: CERTIFIED / OPERATION & MAINTENANCE  
Deed Date(s): 2006-06-05 00:00:00

**AWP:**

AWP Facility ID: 19970023  
Region Code: 3  
Region: GLENDALE  
SMBR Branch Code: SO  
SMBR Branch Unit: OMF-SOUTHERN CALIF  
Site Name.: SAME  
Current Status Date: 08072001  
Current Status: ANNUAL WORKPLAN - ACTIVE SITE  
Lead Agency Code: DTSC  
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL  
Facility Type: Closed military facility  
Awp Site Type: CLOSED MILITARY BASE  
NPL: Not Listed  
Tier Of AWP Site: Not reported  
Source Of Funding: Not reported  
Responsible Staff Member: OPATRICK  
Supervisor Responsible: Not reported  
SIC Code: 97  
Facility SIC: NATIONAL SECURITY/INTERNATIONAL AFFAIRS  
RWQCB Code: Not reported  
RWQCB Associated With Site: Not reported  
Site Access Controlled: Not reported  
Site Listed HWS List: Not reported  
Hazard Ranking Score: Not reported  
Date Site Hazard Ranked: Not reported  
Groundwater Contamination: Not reported  
# Of Contamination Sources: 0  
Lat/Long: Not reported  
Lat/Long (dms): 0 0 0 / 0 0 0  
Lat/long Method: Not reported  
Description Of Entity: Not reported  
State Assembly Distt Code: 54  
State Senate District: 25

**RESPONSE:**

Facility ID: 19970023  
Site Type: State Response  
Site Type Detail: FUDS  
Acres: 26.400000000000002  
National Priorities List: NO  
Cleanup Oversight Agencies: DTSC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

Lead Agency: DTSC  
Lead Agency Description: \* DTSC  
Project Manager: OMORUYI PATRICK  
Supervisor: Shelia Lowe  
Division Branch: Cypress  
Site Code: 400953  
Site Mgmt. Req.: NONE SPECIFIED  
Assembly: 54  
Senate: 25  
Special Program Status: Not reported  
Status: Certified / Operation & Maintenance  
Status Date: 1/6/2009  
Restricted Use: YES  
Funding: \* Defense Environmental Restoration Program (DERP)  
Latitude: 33.741666670000001  
Longitude: -118.4055556  
APN: NONE SPECIFIED  
Past Use: FIRE TRAINING AREAS  
Potential COC: 30011, 30013  
Confirmed COC: 30011-NO,30013  
Potential Description: SOIL  
Alias Name: POINT VICENTE INTERPRETIVE CENTER  
Alias Type: Alternate Name  
Alias Name: SAME  
Alias Type: Alternate Name  
Alias Name: 110033605917  
Alias Type: EPA (FRS #)  
Alias Name: T0603736070  
Alias Type: GeoTracker Global ID  
Alias Name: 400953  
Alias Type: Project Code (Site Code)  
Alias Name: 19970023  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 2003-04-02 00:00:00  
Comments: RA - PVICC: The Lead-removal action consist of the removal of approximately 2,500 cubic yards of lead impacted soil and offsite disposal. Additionally, confirmatory soil samples collected and analyzed were below the inorganic background/PRG screening values . DTSC has determined that the lead contaminated soil removal was satisfactorily conducted in compliance to the California Health & Safety Code, Division 20, Chapter 6.8, Hazardous Waste ol, Section 25356.1 (h)(3) substantive requirements at the five- areas of concerns identified in the approved Removal Action Plan. However, DTSC deferred its final approval of the final draft closure report pending the Deed Restriction document submittal and finalization to reflect the mitigating measures to the existing building location and the asphalt covered areas within the Point Vicente Interpretive Center.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 2002-05-23 00:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

Comments: PVICC FS Report approved.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 2002-05-23 00:00:00  
Comments: RAP - PVIC Center: The Army Corps of Engineers submitted a Final Remedial Action Plan (RAP) Report in April 2002 documenting the soil and groundwater investigation conducted at the Center. The Remedial action consists of a surface drainage ditches construction, a lead contaminated soil excavation, an existing building deed restriction, and a five-year site review. DTSC concurs with the above-stated RAP recommendations. The Army Corp of Engineers submitted a Final Remedial Investigation/Feasibility Study (RI/FS) Report in April 2002 documenting the soil and groundwater investigation conducted at the Center. The RI confirmed the presence of lead contamination and recommended a lead removal action. DTSC concurs with the RI recommendation for a removal action and the FS recommendation of lead excavation and deed restriction of existing building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Deed/LUR Enforcement & Implementation Plan  
Completed Date: 2006-05-31 00:00:00  
Comments: DTSC received the Los Angeles County Recorder's Office receipt for the PVIC LUC recorded and filed in official records.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 2000-05-23 00:00:00  
Comments: DTSC entered into a voluntary cleanup Agreement (Agreement) with the City of Rancho Palos Verdes (Proponent). The purpose of this Agreement is for the Proponent to conduct a Remedial Investigation/Feasibility Study (RI/FS) and a Removal Action Workplan (RAW) under the oversight of DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 2006-06-05 00:00:00  
Comments: Final PVIC LUC recorded and filed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 1994-06-16 00:00:00  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

Schedule Revised Date: Not reported

**ENVIROSTOR:**

Site Type: State Response  
Site Type Detailed: FUDS  
Acres: 26.400000000000002  
NPL: NO  
Regulatory Agencies: DTSC  
Lead Agency: DTSC  
Program Manager: OMORUYI PATRICK  
Supervisor: Shelia Lowe  
Division Branch: Cypress  
Facility ID: 19970023  
Site Code: 400953  
Assembly: 54  
Senate: 25  
Special Program: Not reported  
Status: Certified / Operation & Maintenance  
Status Date: 1/6/2009  
Restricted Use: YES  
Site Mgmt. Req.: NONE SPECIFIED  
Funding: \* Defense Environmental Restoration Program (DERP)  
Latitude: 33.741666670000001  
Longitude: -118.4055556  
APN: NONE SPECIFIED  
Past Use: FIRE TRAINING AREAS  
Potential COC: 30011, 30013  
Confirmed COC: 30011-NO,30013  
Potential Description: SOIL  
Alias Name: POINT VICENTE INTERPRETIVE CENTER  
Alias Type: Alternate Name  
Alias Name: SAME  
Alias Type: Alternate Name  
Alias Name: 110033605917  
Alias Type: EPA (FRS #)  
Alias Name: T0603736070  
Alias Type: GeoTracker Global ID  
Alias Name: 400953  
Alias Type: Project Code (Site Code)  
Alias Name: 19970023  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 2003-04-02 00:00:00  
Comments: RA - PVICC: The Lead-removal action consist of the removal of approximately 2,500 cubic yards of lead impacted soil and offsite disposal. Additionally, confirmatory soil samples collected and analyzed were below the inorganic background/PRG screening values . DTSC has determined that the lead contaminated soil removal was satisfactorily conducted in compliance to the California Health & Safety Code, Division 20, Chapter 6.8, Hazardous Waste ol, Section 25356.1 (h)(3) substantive requirements at the five- areas of concerns identified in the approved Removal Action Plan. However, DTSC deferred its final approval of the final draft closure report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

pending the Deed Restriction document submittal and finalization to reflect the mitigating measures to the existing building location and the asphalt covered areas within the Point Vicente Interpretive Center.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 2002-05-23 00:00:00  
Comments: PVICC FS Report approved.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 2002-05-23 00:00:00  
Comments: RAP - PVIC Center: The Army Corps of Engineers submitted a Final Remedial Action Plan (RAP) Report in April 2002 documenting the soil and groundwater investigation conducted at the Center. The Remedial action consists of a surface drainage ditches construction, a lead contaminated soil excavation, an existing building deed restriction, and a five-year site review. DTSC concurs with the above-stated RAP recommendations. The Army Corp of Engineers submitted a Final Remedial Investigation/Feasibility Study (RI/FS) Report in April 2002 documenting the soil and groundwater investigation conducted at the Center. The RI confirmed the presence of lead contamination and recommended a lead removal action. DTSC concurs with the RI recommendation for a removal action and the FS recommendation of lead excavation and deed restriction of existing building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Deed/LUR Enforcement & Implementation Plan  
Completed Date: 2006-05-31 00:00:00  
Comments: DTSC received the Los Angeles County Recorder's Office receipt for the PVIC LUC recorded and filed in official records.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 2000-05-23 00:00:00  
Comments: DTSC entered into a voluntary cleanup Agreement (Agreement) with the City of Rancho Palos Verdes (Proponent). The purpose of this Agreement is for the Proponent to conduct a Remedial Investigation/Feasibility Study (RI/FS) and a Removal Action Workplan (RAW) under the oversight of DTSC.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 2006-06-05 00:00:00  
Comments: Final PVIC LUC recorded and filed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 1994-06-16 00:00:00  
Comments: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**POINT VICENTE (Continued)**

**S106800173**

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

**C13  
 NNW  
 1/4-1/2  
 0.364 mi.  
 1924 ft.**

**LA WASTE COLLECTION  
 31176 HAWTHORNE BLVD  
 RANCHO PALOS VERDES, CA 90275  
 Site 1 of 3 in cluster C**

**SWRCY S110071949  
 N/A**

**Relative:  
 Lower**

SWRCY:

Certification Status: C  
 Facility Phone Number: (866) 957-2734  
 Date facility became certified: 11/10/2009  
 Date facility began operating: Never operational  
 Date facility ceased operating: Still operating  
 Whether The Facility Is Grandfathered: Not reported  
 Convenience Zone Where Facility Located: 709  
 Convenience Zone Where Facility Located 2: Not Accepted  
 Convenience Zone Where Facility Located 3: Not Accepted  
 Convenience Zone Where Facility Located 4: Not Accepted  
 Convenience Zone Where Facility Located 5: Not Accepted  
 Convenience Zone Where Facility Located 6: Not Accepted  
 Convenience Zone Where Facility Located 7: Not Accepted  
 Aluminum Beverage Containers Redeemed: AL  
 Glass Beverage Containers Redeemed: GL  
 Plastic Beverage Containers Redeemed: PL  
 Other mat beverage containers redeemed: Not reported  
 Refillable Beverage Containers Redeemed: Not reported

**Actual:  
 263 ft.**

**C14  
 NW  
 1/4-1/2  
 0.367 mi.  
 1935 ft.**

**CONOCOPHILLIPS #257109  
 31186 HAWTHORNE BLVD  
 RACHO PALOS VERDE, CA 90275  
 Site 2 of 3 in cluster C**

**LUST S109348476  
 N/A**

**Relative:  
 Lower**

LUST:

Region: STATE  
 Global Id: T10000000507  
 Latitude: 35.1716422  
 Longitude: -120.5579455  
 Case Type: LUST Cleanup Site  
 Status: Open - Site Assessment  
 Status Date: 2010-03-09 00:00:00  
 Lead Agency: LOS ANGELES RWQCB (REGION 4)  
 Case Worker: WXT  
 Local Agency: LOS ANGELES COUNTY  
 RB Case Number: R-38290  
 LOC Case Number: 011080-038290  
 File Location: Regional Board

**Actual:  
 259 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONOCOPHILLIPS #257109 (Continued)**

**S109348476**

Potential Media Affect: Not reported  
Potential Contaminants of Concern: Benzene, Toluene, Xylene  
Site History: Not reported

**C15  
NW  
1/4-1/2  
0.370 mi.  
1952 ft.**

**UNOCAL #7109  
31200 PALOS VERDES DR W  
RANCHO PALOS VERDES, CA 90274**

**HIST CORTESE  
LUST  
SWEEPS UST  
HAZNET**

**S101297842  
N/A**

**Site 3 of 3 in cluster C**

**Relative:  
Lower**

**CORTESE:**  
Region: CORTESE  
Facility County Code: 19

**Actual:  
253 ft.**

Reg By: LTNKA  
Reg Id: I-11074

**LUST:**

Region: STATE  
Global Id: T0603703729  
Latitude: 33.7493284  
Longitude: -118.4076126  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 1996-11-26 00:00:00  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Case Worker: YR  
Local Agency: LOS ANGELES COUNTY  
RB Case Number: I-11074  
LOC Case Number: Not reported  
File Location: Not reported  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST REG 4:**

Region: 4  
Regional Board: 04  
County: Los Angeles  
Facid: I-11074  
Status: Case Closed  
Substance: Gasoline  
Substance Quantity: Not reported  
Local Case No: Not reported  
Case Type: Soil  
Abatement Method Used at the Site: Not reported  
Global ID: T0603703729  
W Global ID: W0603710810  
Staff: UNK  
Local Agency: 19000  
Cross Street: HAWTHORNE  
Enforcement Type: Not reported  
Date Leak Discovered: 6/5/1991  
Date Leak First Reported: 6/17/1991  
Date Leak Record Entered: 7/24/1991  
Date Confirmation Began: 6/17/1991  
Date Leak Stopped: 6/5/1991  
Date Case Last Changed on Database: 10/31/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL #7109 (Continued)**

**S101297842**

Date the Case was Closed: 11/26/1996  
How Leak Discovered: Tank Closure  
How Leak Stopped: Not reported  
Cause of Leak: Corrosion  
Leak Source: Tank  
Operator: NOVINSHOAR, NASSER  
Water System: CALIFORNIA DEPARTMENT OF CORRECTIONS  
Well Name: Not reported  
Approx. Dist To Production Well (ft): 13419.141646045295883796398152  
Source of Cleanup Funding: Tank  
Preliminary Site Assessment Workplan Submitted: 4/5/1988  
Preliminary Site Assessment Began: 7/1/1988  
Pollution Characterization Began: Not reported  
Remediation Plan Submitted: 7/3/1991  
Remedial Action Underway: 3/23/1992  
Post Remedial Action Monitoring Began: Not reported  
Enforcement Action Date: Not reported  
Historical Max MTBE Date: Not reported  
Hist Max MTBE Conc in Groundwater: Not reported  
Hist Max MTBE Conc in Soil: Not reported  
Significant Interim Remedial Action Taken: Not reported  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
Organization: Not reported  
Owner Contact: Not reported  
Responsible Party: UNOCAL CORPORATION  
RP Address: 376 S VALENCIA AVE, BUILDING F, BREA CA 92621  
Program: LUST  
Lat/Long: 33.7491205 / -1  
Local Agency Staff: Not reported  
Beneficial Use: Not reported  
Priority: Not reported  
Cleanup Fund Id: Not reported  
Suspended: Not reported  
Assigned Name: 1910810-003  
Summary: WASTE OIL TANK BEING REMOVED & WILL BE REPLACED WITH ABOVE GROUND OIL TANK AS PART OF MONITORING PROJECT. TANK WAS CORRODED & SOIL SAMPLES TAKEN TO DEFINE EXTENT.

**SWEEPS UST:**

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000001  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: 8

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL #7109 (Continued)**

**S101297842**

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000002  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000003  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000004  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL #7109 (Continued)**

**S101297842**

Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000005  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000006  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000007  
Actv Date: 06-30-89  
Capacity: Not reported  
Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

Status: A  
Comp Number: 11074  
Number: 1  
Board Of Equalization: 44-001057  
Ref Date: 07-01-91  
Act Date: 07-01-91  
Created Date: 06-30-89  
Tank Status: A  
Owner Tank Id: Not reported  
Swrcb Tank Id: 19-000-011074-000008  
Actv Date: 06-30-89  
Capacity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNOCAL #7109 (Continued)**

**S101297842**

Tank Use: UNKNOWN  
Stg: W  
Content: Not reported  
Number Of Tanks: Not reported

**HAZNET:**

Gepaid: CAL000276961  
Contact: DANELLE EICHHORST  
Telephone: 2812933723  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 600 N DAIRY ASHFORD-MO 1001  
Mailing City,St,Zip: HOUSTON, TX 77079  
Gen County: Los Angeles  
TSD EPA ID: CAT080013352  
TSD County: Los Angeles  
Waste Category: Aqueous solution with less than 10% total organic residues  
Disposal Method: Not reported  
Tons: 3.99  
Facility County: Los Angeles

**16  
NW  
1/4-1/2  
0.419 mi.  
2213 ft.**

**GOLDEN COVE SHOPPING CENTER  
31100 PALOS VERDES DR W  
RANCHO PALOS VERDES, CA**

**SLIC S106483753  
N/A**

**Relative:  
Lower**

**SLIC:**

Region: STATE  
**Facility Status: Completed - Case Closed**  
Status Date: 1997-06-01 00:00:00  
Global Id: SL184551438  
Lead Agency: LOS ANGELES RWQCB (REGION 4)  
Lead Agency Case Number: Not reported  
Latitude: 33.749383  
Longitude: -118.406812  
Case Type: Cleanup Program Site  
Case Worker: DH  
Local Agency: Not reported  
RB Case Number: 0586  
File Location: Not reported  
Potential Media Affected: Not reported  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

**Actual:  
256 ft.**

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PALOS VERDES ESTATES	S106088777	SOLEADO ELEMENTARY SCHOOL/PALOS VE	27800 LONG HILL RD	90275	HAZNET
RANCHO PALOS VERDES	S108218139	REMAX PALOS VERDES REALITY	30678 PALOS VERDES DR W	90275	HAZNET
RANCHO PALOS VERDES	91466787	31200 PALOS VERDES WEST	31200 PALOS VERDES DR W	90275	ERNS
RANCHO PALOS VERDES	S103547010	GOLDEN COVE SHOPPING CENTER	31100 PALOS VERDES		SLIC

# 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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	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: 08/16/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/29/2010
	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: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	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: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/12/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/11/2010
	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: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 07/21/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/25/2010
	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: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/12/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 09/13/2010
	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: 03/25/2010  
Date Data Arrived at EDR: 03/31/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 57

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 06/14/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/27/2010
	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: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 06/14/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/27/2010
	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: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/18/2010
	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: 08/09/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/11/2010	Telephone: 916-323-3400
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/22/2010
	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: 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: 08/11/2010  
Next Scheduled EDR Contact: 11/22/2010  
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: 05/24/2010  
Date Data Arrived at EDR: 05/25/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 45

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 05/25/2010  
Next Scheduled EDR Contact: 09/06/2010  
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: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: No Update Planned

### LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004  
Date Data Arrived at EDR: 02/26/2004  
Date Made Active in Reports: 03/24/2004  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
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: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
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: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 06/07/2010  
Next Scheduled EDR Contact: 09/20/2010  
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: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 07/23/2010  
Date Data Arrived at EDR: 07/23/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 20

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 07/23/2010  
Next Scheduled EDR Contact: 10/04/2010  
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: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 07/23/2010  
Date Data Arrived at EDR: 07/23/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 20

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 07/23/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
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: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Semi-Annually

### SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Semi-Annually

### SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: No Update Planned

### SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Semi-Annually

### SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/09/2010  
Next Scheduled EDR Contact: 11/22/2010  
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: 05/04/2010	Source: EPA Region 10
Date Data Arrived at EDR: 05/05/2010	Telephone: 206-553-2857
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/15/2010
	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: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/02/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/15/2010
	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: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6271
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/15/2010
	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: 05/03/2010	Source: EPA Region 6
Date Data Arrived at EDR: 05/05/2010	Telephone: 214-665-6597
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/19/2010	Source: EPA Region 4
Date Data Arrived at EDR: 05/21/2010	Telephone: 404-562-8677
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/15/2010
	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: 05/27/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/28/2010	Telephone: 415-972-3372
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/15/2010
	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	Source: EPA Region 7
Date Data Arrived at EDR: 05/04/2010	Telephone: 913-551-7003
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/15/2010
	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: 07/23/2010	Source: SWRCB
Date Data Arrived at EDR: 07/23/2010	Telephone: 916-480-1028
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 06/23/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/04/2010
	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: 07/12/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/25/2010
	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: 05/04/2010	Source: EPA Region 10
Date Data Arrived at EDR: 05/05/2010	Telephone: 206-553-2857
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/15/2010
	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: 05/27/2010	Source: EPA Region 9
Date Data Arrived at EDR: 05/28/2010	Telephone: 415-972-3368
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/15/2010
	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: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6137
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/15/2010
	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: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/11/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/15/2010
	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: 05/03/2010  
Date Data Arrived at EDR: 05/05/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 22

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 02/11/2010  
Date Data Arrived at EDR: 02/11/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 60

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/19/2010  
Date Data Arrived at EDR: 05/21/2010  
Date Made Active in Reports: 08/09/2010  
Number of Days to Update: 80

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 02/19/2009  
Date Data Arrived at EDR: 02/19/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 25

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 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: 08/11/2010  
Next Scheduled EDR Contact: 11/22/2010  
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: 04/02/2008  
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 1  
Telephone: 617-918-1102  
Last EDR Contact: 07/08/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 06/24/2010  
Date Data Arrived at EDR: 06/25/2010  
Date Made Active in Reports: 08/17/2010  
Number of Days to Update: 53

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
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: 07/28/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: Varies

# 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: 08/16/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/29/2010
	Data Release Frequency: Quarterly

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/24/2010	Source: Department of Conservation
Date Data Arrived at EDR: 06/25/2010	Telephone: 916-323-3836
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/25/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/04/2010
	Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 07/19/2010	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 07/21/2010	Telephone: 916-341-6422
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/06/2010
	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: 08/09/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/22/2010
	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: 05/07/2010	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/18/2010	Telephone: 202-307-1000
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 03/08/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 09/20/2010
	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: 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: 08/11/2010  
Next Scheduled EDR Contact: 11/22/2010  
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: 12/31/2009  
Date Data Arrived at EDR: 02/25/2010  
Date Made Active in Reports: 03/04/2010  
Number of Days to Update: 7

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 10/18/2010  
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: 06/07/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/20/2010
	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: 05/06/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 90	Next Scheduled EDR Contact: 11/15/2010
	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: 05/24/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/06/2010
	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: 07/27/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/13/2010	Telephone: 916-323-3400
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 07/19/2010
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/01/2010
	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: 06/14/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/15/2010	Telephone: 916-323-3400
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 06/15/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/27/2010
	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: 04/06/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/07/2010	Telephone: 202-366-4555
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 50	Next Scheduled EDR Contact: 10/18/2010
	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: 12/31/2009	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/21/2010	Telephone: 916-845-8400
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/15/2010
	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: 07/23/2010	Source: State Water Quality Control Board
Date Data Arrived at EDR: 07/23/2010	Telephone: 866-480-1028
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/23/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/04/2010
	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: 07/23/2010	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/23/2010	Telephone: 866-480-1028
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/23/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/04/2010
	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: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (415) 495-8895
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 08/19/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/18/2010
	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: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/22/2010
	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: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/22/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/01/2010
	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: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 08/12/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/27/2010
	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: 04/11/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/19/2010	Telephone: Varies
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 07/08/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/18/2010
	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: 06/01/2010	Source: EPA
Date Data Arrived at EDR: 06/16/2010	Telephone: 703-416-0223
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 06/16/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/27/2010
	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: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 06/01/2010
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/13/2010
	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: 02/12/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/10/2010	Telephone: 303-231-5959
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 06/09/2010
Number of Days to Update: 68	Next Scheduled EDR Contact: 09/20/2010
	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: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 06/04/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 09/13/2010
	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: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/07/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/11/2010
	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: 06/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/13/2010
	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: 06/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/13/2010
	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: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 08/16/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/15/2010
	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: 04/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2010	Telephone: 202-564-5088
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 06/25/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/11/2010
	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: 02/01/2010	Source: EPA
Date Data Arrived at EDR: 04/22/2010	Telephone: 202-566-0500
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 07/30/2010
Number of Days to Update: 109	Next Scheduled EDR Contact: 11/01/2010
	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: 06/14/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 09/27/2010
	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: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/25/2010
	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: 07/07/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/27/2010
	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: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 05/25/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/06/2010
	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

## CA 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: 06/01/2010  
Next Scheduled EDR Contact: 09/13/2010  
Data Release Frequency: Quarterly

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/21/2010  
Date Data Arrived at EDR: 05/25/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 05/25/2010  
Next Scheduled EDR Contact: 09/06/2010  
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: 07/08/2010  
Date Data Arrived at EDR: 07/09/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 34

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

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

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993  
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: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
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: 12/22/2009	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 01/25/2010	Telephone: 916-327-4498
Date Made Active in Reports: 01/29/2010	Last EDR Contact: 07/21/2010
Number of Days to Update: 4	Next Scheduled EDR Contact: 09/27/2010
	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: 07/09/2010
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/18/2010
	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: 07/21/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/01/2010
	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: 12/31/2007	Source: California Air Resources Board
Date Data Arrived at EDR: 07/14/2009	Telephone: 916-322-2990
Date Made Active in Reports: 07/23/2009	Last EDR Contact: 07/09/2010
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/11/2010
	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: 07/22/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/01/2010
	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: 05/12/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/13/2010	Telephone: 615-532-8599
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 08/09/2010
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/08/2010
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/24/2010  
Date Data Arrived at EDR: 06/25/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 14

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/24/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Quarterly

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/27/2010  
Date Data Arrived at EDR: 06/16/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 23

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
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: 07/21/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 11/09/2009  
Date Data Arrived at EDR: 12/18/2009  
Date Made Active in Reports: 02/10/2010  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
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: 07/21/2010  
Date Data Arrived at EDR: 07/21/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 22

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 07/21/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 08/11/2010  
Next Scheduled EDR Contact: 11/22/2010  
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: 07/16/2010  
Date Data Arrived at EDR: 07/19/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 24

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Varies

## FINANCIAL ASSURANCE: 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: 08/13/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 07/22/2010  
Next Scheduled EDR Contact: 11/01/2010  
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: 08/10/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 07/14/2010  
Date Data Arrived at EDR: 07/16/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 27

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/14/2010  
Date Data Arrived at EDR: 07/16/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 27

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Semi-Annually

### CONTRA COSTA COUNTY:

#### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/16/2010  
Date Data Arrived at EDR: 08/17/2010  
Date Made Active in Reports: 08/20/2010  
Number of Days to Update: 3

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 08/09/2010  
Next Scheduled EDR Contact: 11/22/2010  
Data Release Frequency: Semi-Annually

### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/19/2010  
Date Data Arrived at EDR: 07/21/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 22

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: Semi-Annually

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 06/24/2010  
Date Data Arrived at EDR: 06/24/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 15

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Quarterly

## 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: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 04/13/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 35

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/26/2010  
Date Data Arrived at EDR: 08/10/2010  
Date Made Active in Reports: 08/20/2010  
Number of Days to Update: 10

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 07/26/2010  
Next Scheduled EDR Contact: 11/08/2010  
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: 06/18/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Varies

### Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/09/2010  
Date Data Arrived at EDR: 02/12/2010  
Date Made Active in Reports: 03/04/2010  
Number of Days to Update: 20

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 07/26/2010  
Next Scheduled EDR Contact: 11/08/2010  
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank  
Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/27/2010  
Date Data Arrived at EDR: 07/28/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 15

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 07/26/2010  
Next Scheduled EDR Contact: 11/08/2010  
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: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Annually

City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/07/2010  
Date Data Arrived at EDR: 07/30/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 13

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: Semi-Annually

## MARIN COUNTY:

Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 04/19/2010  
Date Data Arrived at EDR: 04/30/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 18

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 07/12/2010  
Next Scheduled EDR Contact: 10/25/2010  
Data Release Frequency: Semi-Annually

## 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: 06/07/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites  
Underground storage tank sites located in Napa county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/07/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: No Update Planned

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/05/2010  
Date Data Arrived at EDR: 05/21/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 47

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/17/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/05/2010  
Date Data Arrived at EDR: 05/21/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 47

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/17/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/03/2010  
Date Data Arrived at EDR: 02/12/2010  
Date Made Active in Reports: 02/23/2010  
Number of Days to Update: 11

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/17/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/22/2010  
Date Data Arrived at EDR: 06/24/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 15

Source: Placer County Health and Human Services  
Telephone: 530-889-7312  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
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: 08/04/2010  
Date Data Arrived at EDR: 08/13/2010  
Date Made Active in Reports: 08/20/2010  
Number of Days to Update: 7

Source: Department of Public Health  
Telephone: 951-358-5055  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/11/2010  
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: 04/19/2010	Source: Health Services Agency
Date Data Arrived at EDR: 04/19/2010	Telephone: 951-358-5055
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/11/2010
	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: 06/30/2010	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/21/2010	Telephone: 916-875-8406
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/22/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/25/2010
	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: 07/26/2010	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 08/16/2010	Telephone: 916-875-8406
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 07/22/2010
Number of Days to Update: 4	Next Scheduled EDR Contact: 10/25/2010
	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: 06/09/2010	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 06/11/2010	Telephone: 909-387-3041
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 08/16/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/29/2010
	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: 07/16/2008	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 10/29/2008	Telephone: 619-338-2268
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 06/23/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2009  
Date Data Arrived at EDR: 12/04/2009  
Date Made Active in Reports: 01/18/2010  
Number of Days to Update: 45

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
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: 06/15/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Varies

## 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: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/17/2010  
Date Data Arrived at EDR: 05/17/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 53

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
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: 05/14/2010  
Date Data Arrived at EDR: 06/09/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 30

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: Semi-Annually

## SAN MATEO COUNTY:

### Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/15/2010  
Date Data Arrived at EDR: 07/16/2010  
Date Made Active in Reports: 08/12/2010  
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/21/2010  
Date Data Arrived at EDR: 06/22/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 17

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Semi-Annually

## 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: 07/09/2010  
Next Scheduled EDR Contact: 09/20/2010  
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: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Annually

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/22/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 17

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/07/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/23/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 16

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/08/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/12/2010	Source: Department of Health Services
Date Data Arrived at EDR: 07/13/2010	Telephone: 707-565-6565
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 07/21/2010	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 07/22/2010	Telephone: 530-822-7500
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/27/2010
	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: 04/26/2010	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/28/2010	Telephone: 805-654-2813
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 02/23/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/06/2010
	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: 08/01/2009	Source: Environmental Health Division
Date Data Arrived at EDR: 10/05/2009	Telephone: 805-654-2813
Date Made Active in Reports: 10/13/2009	Last EDR Contact: 08/16/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 11/15/2010
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/24/2010
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/06/2010
	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: 05/26/2010	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2010	Telephone: 805-654-2813
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/24/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/04/2010
	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: 04/07/2010	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/13/2010	Telephone: 530-666-8646
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 07/19/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Annually

## 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: 06/04/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/06/2010
	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: 01/20/2010	Telephone: N/A
Date Made Active in Reports: 02/05/2010	Last EDR Contact: 07/22/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 11/01/2010
	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: 04/30/2010	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/13/2010	Telephone: 518-402-8651
Date Made Active in Reports: 06/21/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/01/2009	Telephone: 717-783-8990
Date Made Active in Reports: 12/14/2009	Last EDR Contact: 05/24/2010
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/06/2010
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 11/03/2009	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/12/2010	Telephone: 401-222-2797
Date Made Active in Reports: 02/22/2010	Last EDR Contact: 06/01/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 09/13/2010
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
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.

## 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 & 2009 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

CITY OF RANCHO PALOS VERDES UPPER POINTE VINCENTE  
30940 HAWTHORNE BOULEVARD  
RANCHO PALOS VERDES, CA 90275

### **TARGET PROPERTY COORDINATES**

Latitude (North):	33.74500 - 33° 44' 42.0"
Longitude (West):	118.4038 - 118° 24' 13.7"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	369968.1
UTM Y (Meters):	3734574.0
Elevation:	368 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	33118-F4 REDONDO BEACH OE S, CA
Most Recent Revision:	2000

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).

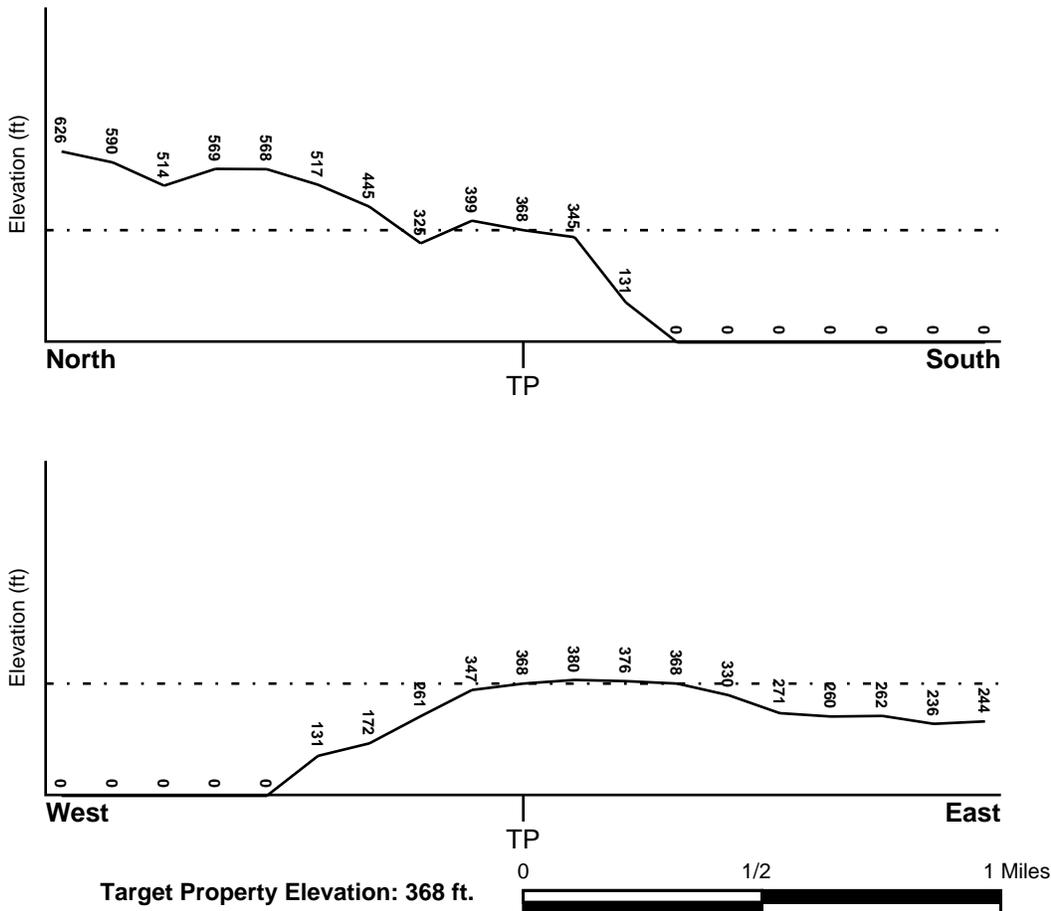
## TOPOGRAPHIC INFORMATION

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 SSW

## 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>	FEMA Flood
LOS ANGELES, CA	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06037C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	NWI Electronic
REDONDO BEACH	<u>Data Coverage</u>
	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</u>	<u>GENERAL DIRECTION</u>
	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### ROCK STRATIGRAPHIC UNIT

Era: Cenozoic  
System: Tertiary  
Series: Miocene  
Code: Tm (decoded above as Era, System & Series)

### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## 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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 8 inches

Depth to Bedrock Max: > 20 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.90
2	16 inches	20 inches	weathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: clay  
gravelly - loam  
stony - loam  
loam

Surficial Soil Types: clay  
gravelly - loam  
stony - loam  
loam

Shallow Soil Types: clay  
silty clay loam

Deeper Soil Types: sandy clay loam  
stratified

### 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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## 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

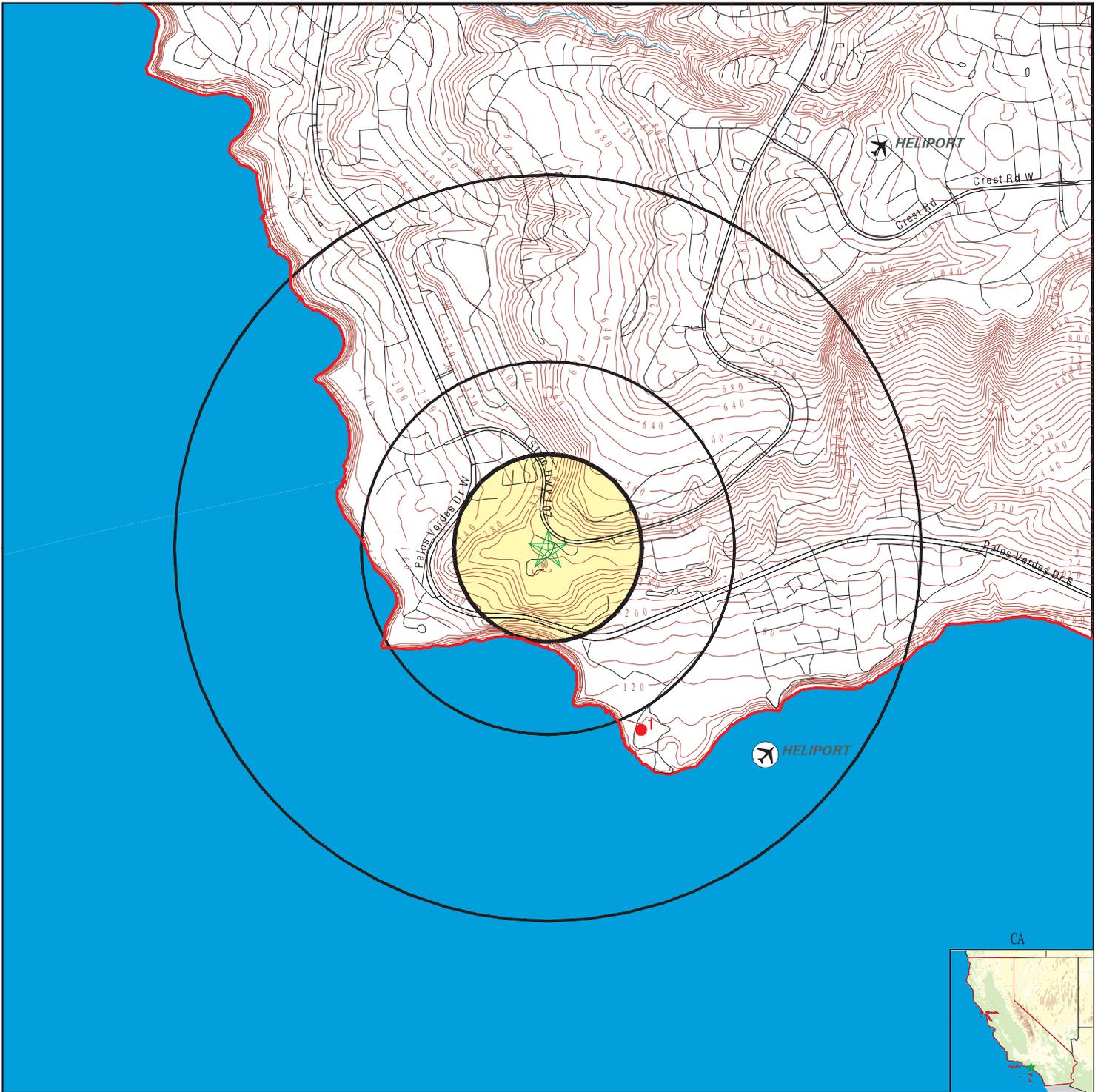
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG60000009901	1/2 - 1 Mile SSE

# PHYSICAL SETTING SOURCE MAP - 2850857.2s



-  County Boundary
-  Major Roads
-  Contour Lines
-  Earthquake Fault Lines
-  Airports
-  Earthquake epicenter, Richter 5 or greater
-  Water Wells
-  Public Water Supply Wells
-  Cluster of Multiple Icons



-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data
-  Oil, gas or related wells



SITE NAME: City of Rancho Palos Verdes Upper Pointe Vincente  
 ADDRESS: 30940 Hawthorne Boulevard  
 Rancho Palos Verdes CA 90275  
 LAT/LONG: 33.7450 / 118.4038

CLIENT: PSI, Inc.  
 CONTACT: Eric Fraske  
 INQUIRY #: 2850857.2s  
 DATE: August 20, 2010 2:30 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**1**  
**SSE**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG60000009901**

Apinumber:	03705722	Operator:	Newton Development Co.
Lease:	Not Reported	Well no:	1
Field:	LOS ANGELES COUNTY	Caog m2 area:	Not Reported
Map:	W1-6	Status cod:	006
Source:	hud		
Latitude27:	33.73791		
Longitude2:	-118.398557		
Latitude83:	33.737927		
Longitude8:	-118.399463		
Td:	4900		
Sec:	13		
Twn:	5S	Rge:	15W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000009901

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
90275	9	4	44.44

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

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### Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

# 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 & 2009 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<sup>R</sup> 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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**Appendix D:**  
**Historical Research Information**

**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.8  
August 20, 2010

# The EDR Property Tax Map Report

## EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

## NO COVERAGE

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

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard

Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.3

August 20, 2010



**Certified Sanborn® Map Report**

# Certified Sanborn® Map Report

8/20/10

**Site Name:**

City of Rancho Palos Verdes  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA

**Client Name:**

PSI, Inc.  
3960 Gilman Street  
Long Beach, CA 90815

EDR Inquiry # 2850857.3

Contact: Eric Fraske



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by PSI, 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](http://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:** City of Rancho Palos Verdes Upper Pointe  
**Address:** 30940 Hawthorne Boulevard  
**City, State, Zip:** Rancho Palos Verdes, CA 90275  
**Cross Street:**  
**P.O. #** NA  
**Project:** 0559334  
**Certification #** CE88-4074-958E



Sanborn® Library search results  
Certification # CE88-4074-958E

## UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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™*

## Limited Permission To Make Copies

PSI, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.6  
August 20, 2010

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

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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## 2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

**City Directory Report.** Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

**Options for Selecting Adjoining Properties.** Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit [www.edrnet.com/2009enhancements](http://www.edrnet.com/2009enhancements)

## 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 1920 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 660 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	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	HAINES & COMPANY INC.	-	-	-	-
2000	Haines & Company	-	X	X	-
1999	Haines Company	-	-	-	-
1996	Pacific Bell	-	-	-	-
1995	Pacific Bell	-	-	-	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	GTE CALIFORNIA INC.	-	-	-	-
1990	Pacific Bell	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	X	X	X	-
1976	R. L. Polk & Co.	-	-	-	-
1975	R. L. Polk & Co.	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	R. L. Polk & Co.	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	-	-	-
1966	THE PACIFIC TELEPHONE AND TELEGRAPH COMPNAY	-	-	-	-
1965	R. L. Polk & Co.	-	-	-	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	R. L. Polk & Co.	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	R. L. Polk & Co.	-	-	-	-
1958	R. L. Polk & Co.	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	R. L. Polk & Co.	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	R. L. Polk & Co.	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Los Angeles Directory Co.	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	R. L. Polk & Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	R. L. Polk & Co.	-	-	-	-
1937	Beverly Hills Chamber of Commerce	-	-	-	-
1936	R. L. Polk & Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Beverly Hills Chamber of Commerce	-	-	-	-
1932	R. L. Polk & Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

### FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	ABALONE COVE LANDSLIDE ABATEMENT DISTRICT	Pacific Bell
	COSTUME CLOSET	Pacific Bell
1980	COSTUME CLOSET	Pacific Telephone

# FINDINGS

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### CRESTMONT AVE

#### 1 CRESTMONT AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BUS 33 RES 17 NEW	Haines & Company

### CRESTMONT PL

#### 1 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	BRADLEY JAS CAPT	Pacific Bell

#### 10 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MILLER J	Pacific Telephone

#### 11 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	DECKER DUANE LT	Pacific Telephone

#### 3 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	HOGAN OLIN CAPT	Pacific Bell
1980	GILLIES CHAS CAPT	Pacific Telephone

#### 4 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	GRIFFIN TERRY	Pacific Bell

#### 5 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	ANDERSON HAROLD MAJ	Pacific Bell
1980	IRWIN RONALD G MAJ	Pacific Telephone

#### 6 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	VAN CLEEF ALFRED MAJ	Pacific Bell

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	PACK DONALD MAJ	Pacific Telephone

### 7 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	GRIFFIN P A MAJ	Pacific Bell
1980	GRIFFIN P A MAJ	Pacific Telephone

### 8 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	WILSON L MAJ	Pacific Bell
1980	GOODE S MAJ	Pacific Telephone

### 9 CRESTMONT PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	MURRAY FLAGG CAPT	Pacific Bell
1980	HUNTER R WM CAPT	Pacific Telephone

## 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.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
30940 Hawthorne Boulevard	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

### 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.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
1 CRESTMONT AVE	2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1 CRESTMONT PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
10 CRESTMONT PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
11 CRESTMONT PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
3 CRESTMONT PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
4 CRESTMONT PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
5 CRESTMONT PL	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

## FINDINGS

### **Address Researched**

### **Address Not Identified in Research Source**

6 CRESTMONT PL

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

7 CRESTMONT PL

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

8 CRESTMONT PL

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

9 CRESTMONT PL

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.7  
August 23, 2010

# The EDR Environmental LienSearch™ Report

## The EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# The EDR Environmental LienSearch™ Report

## TARGET PROPERTY INFORMATION

### ADDRESS

30940 Hawthorne Boulevard  
City of Rancho Palos Verdes Upper Pointe Vincente  
Rancho Palos Verdes, CA 90275

### RESEARCH SOURCE

#### **Source 1:**

Los Angeles county recorder  
Los Angeles, CA

### PROPERTY INFORMATION

#### **Deed 1:**

Type of Deed: Deed  
Title is vested in: City of Rancho Palos Verdes  
Title received from: USA  
Deed Dated: 5/20/1987  
Deed Recorded: 6/5/1987  
Book: NA  
Page: na  
Volume: na  
Instrument: na  
Docket: NA  
Land Record Comments: see exhibit  
Miscellaneous Comments: na

**Legal Description:** see exhibit

**Legal Current Owner:** City of Rancho Palos Verdes

**Property Identifiers:** 7573-002-913

**Comments:** see exhibit

## ENVIRONMENTAL LIEN

Environmental Lien: Found  Not Found

## The EDR Environmental LienSearch™ Report

### OTHER ACTIVITY AND USE LIMITATIONS (AULS)

AULs: Found  Not Found

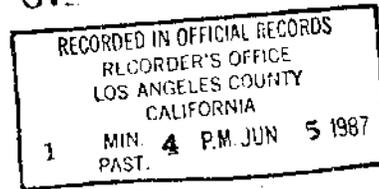
If found:

1st Party: na  
2nd Party: na  
Dated: 5/3/2006  
Recorded: 6/5/2006  
Book: NA  
Page: na  
Docket: NA  
Volume: na  
Instrument: na  
Comments: see exhibit  
Miscellaneous Comments: na

## **Deed Exhibit 1**

RECORDING REQUESTED BY AND MAIL TO  
NAME City of Rancho Palos Verdes  
STREET 30940 Hawthorne Blvd.  
CITY Rancho Palos Verdes, CA 90274

87- 895749



LADA Nike Site 55  
Rancho Palos Verdes, California

GSA INVENTORY CONTROL NO. 9-GK-11-CA-1088

QUITCLAIM DEED

FREE C

THIS INDENTURE, made this 30th day of APRIL, 1987, between the UNITED STATES OF AMERICA, acting by and through the Administrator of General Services, under and pursuant to the powers and authority contained in the provisions of the Federal Property and Administrative Services Act of 1949 (63 Stat. 377), as amended, and regulations and orders promulgated thereunder, GRANTOR, and the City of Rancho Palos Verdes, GRANTEE.

WITNESSETH: That the said GRANTOR, for and in consideration of the sum of FIVE HUNDRED THOUSAND DOLLARS and NO/100 (\$500,000.00) in lawful money of the United States of America, receipt of which is hereby acknowledged, has remised, released and forever quitclaimed, and by these presents does remise, release and forever quitclaim, unto the said GRANTEE, its successors and assigns all that certain real property situated in the County of Los Angeles, State of California, more particularly described as follows:

That portion of the of Block "H", as shown on map of Rancho Los Palos Verdes, in the County of Los Angeles, State of California, allotted to Jotham Bixby, by decree in partition in the action "Bixby et al vs. Bent et al" Case No.2373, in the District Court of the 17th Judicial District of the State of California, in and for the County of Los Angeles and entered in Book 4, page 57 of Judgments in the Superior Court of said County, described as follows:

Commencing at a point, said point being the County of Los Angeles, triangulation monument San Pedro hills D-7, and having state coordinates of North 1,019,330.05. East 4,164,224.94 said point being located on a point of land North of Palos Verdes Drive overlooking Point Vicente Lighthouse, thence North  $53^{\circ}31'58''$  East, 415.07 feet to the center of the Northwest gun turret of battery 240; thence North  $51^{\circ}59'13''$  East, 55.00 feet; thence North  $38^{\circ}00'47''$  West, 56.15 feet to the true point of beginning. Thence North  $36^{\circ}00'43''$  East, 19.31 feet to the beginning of a tangent curve concave southerly having a radius of 105.00 feet; thence Easterly along said curve through a central angle of  $60^{\circ}58'07''$ , a distance of 111.73 feet; thence South  $83^{\circ}01'10''$  East, 69.38 feet; thence South  $86^{\circ}20'48''$  East, 212.34

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feet; thence North  $01^{\circ}46'52''$  West, 109.94 feet; thence North  $81^{\circ}44'11''$  East, 278.53 feet; thence South  $88^{\circ}50'35''$  East, 60.40 feet; thence South  $71^{\circ}55'48''$  East, 57.83 feet; thence South  $62^{\circ}00'18''$  East, 226.14 feet; thence North  $62^{\circ}19'00''$  East, 84.12 feet to a point in the South right of way line of Hawthorne Boulevard, said point beginning a tangent curve concave Northeasterly having a radius of 550.00 feet; thence Southeasterly along said curve, through a central angle of  $02^{\circ}18'26''$ , a distance of 22.15 feet; thence South  $62^{\circ}19'00''$  West, 79.98 feet; thence South  $84^{\circ}31'12''$  West, 216.25 feet; thence North  $02^{\circ}24'09''$  West, 55.04 feet; thence South  $87^{\circ}34'50''$  West, 231.16 feet; thence South  $02^{\circ}23'42''$  East, 78.06 feet; thence North  $83^{\circ}00'49''$  West, 166.47 feet; thence North  $86^{\circ}20'48''$  West, 212.35 feet; thence North  $83^{\circ}01'10''$  West, 69.96 feet to a point beginning a tangent curve concave Southerly having a radius of 85.00 feet; thence Westerly along said curve, through a central angle of  $60^{\circ}58'07''$ , a distance of 90.54 feet; thence South  $36^{\circ}00'43''$  West, 25.04 feet; thence North  $38^{\circ}00'47''$  West, 20.80 feet, to the TRUE POINT OF BEGINNING, containing 1.66 acres more or less.

SUBJECT TO rights-of-way, restrictions, reservations and easements, if any, whether of public record or not.

SUBJECT TO a nonexclusive, perpetual road easement, reserved for the United States Government, in, on and over the following described land:

That portion of Block "H", as shown on map of the Rancho Los Palos Verdes, in the County of Los Angeles, State of California, allotted to Jotham Bixby, by Decree in Partition in the Action "Bixby et al., vs. Bent et al.," Case No. 2373, in the District Court of the 17th Judicial District of the State of California, in and for the County of Los Angeles, and entered in Book 4, page 57 of Judgments in the Superior Court of said County; described as follows:

Commencing at a point being the County of Los Angeles triangulation monument San Pedro Hills D-7, and having State coordinates of North 4,019,330.05, East 4,164,224.94 said point being located on a point of land North of Palos Verdes Drive overlooking Point Vicente Lighthouse, thence North  $53^{\circ}31'58''$  East, 415.07 feet to the center of the Northwest gun turret of battery 240; thence North  $51^{\circ}59'13''$  East, 55.00 feet; thence North  $38^{\circ}00'47''$  West, 56.15 feet to the TRUE POINT OF BEGINNING; thence North  $36^{\circ}00'43''$  East, 19.31 feet to the beginning of a tangent curve concave Southerly having a radius of 105.00 feet; thence Easterly along said curve, through a central angle of  $60^{\circ}58'07''$ , a distance of 111.73 feet; thence South  $83^{\circ}01'10''$  East, 69.38 feet; thence South  $86^{\circ}20'48''$  East, 212.34 feet; thence South  $83^{\circ}00'49''$  East 163.75 feet; thence North  $86^{\circ}53'56''$  East, 231.19 feet; thence North  $84^{\circ}31'12''$  East, 216.25 feet; thence north  $62^{\circ}19'00''$  East, 79.98 feet to a point in the South right

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of way line of Hawthorne Boulevard, said point beginning a tangent curve concave Northeasterly having a radius of 550.00 feet; thence Southeasterly along said curve, through a central angle of  $02^{\circ}21'17''$ , a distance of 22.60 feet; thence South  $62^{\circ}19'00''$  West, 94.43 feet; thence South  $84^{\circ}31'12''$  West, 220.18 feet; thence South  $86^{\circ}49'42''$  West, 232.27 feet; thence North  $83^{\circ}00'49''$  West, 166.47 feet; thence North  $85^{\circ}20'48''$  West, 212.35 feet; thence North  $83^{\circ}01'10''$  West, 69.96 feet to a point beginning a tangent curve concave Southerly having a radius of 85.00 feet; thence Westerly along said curve, through a central angle of  $60^{\circ}58'07''$ , a distance of 90.45 feet; thence South  $36^{\circ}00'43''$  West, 25.04 feet; thence North  $38^{\circ}00'47''$  West, 20.80 feet, to the TRUE POINT OF BEGINNING.

Grantor reserves unto itself, its successors, and assigns, for the use and benefit of the public, a right of flight for the passage of aircraft in the airspace above the surface of the real property herein described together with the right to cause in said airspace such noise as may be inherent in the operation of aircraft, now known or hereafter used for avigation of or flight in the said airspace; for the use of said airspace for landing on, taking off from, or operating on the airports cited below.

Based on coordination between the General Services Administration and the Federal Aviation Administration (FAA) as recommended in House Report Number 95-1053, entitled "FAA Determination of 'No Hazard' for Structures Near Airports," it has been determined that the Torrance Municipal Airport is within six nautical air miles of this property. FAA has been apprised of the proposed disposal of the property, and that the government's conveyance document will contain a provision that the grantee, its successors and assigns and every successor in interest to the property herein described, or any part thereof, must prohibit any construction or alteration on the property unless a determination of no hazard to air navigation is issued by FAA in accordance with 14 CFR Part 77, "Objects Affecting Navigable Airspace," or under the authority of the Federal Aviation Act of 1958, as amended.

Purchaser expressly agrees for itself, its successors, and assigns, to prevent any use of the herein described real property which would interfere with or adversely affect the operation or maintenance of the airport, or otherwise constitute an airport hazard.

The grantee covenants for itself, its heirs, successors, and assigns and every successor in interest to the property hereby conveyed, or any part thereof, that the said grantee and such heirs, successors, and assigns shall not discriminate upon the basis of race, color, religion, sex, or national origin in the use, occupancy, sale, or lease of the property, or in their

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employment practices conducted thereon. This covenant shall not apply, however, to the lease or rental of a room or rooms within a family dwelling unit; nor shall it apply with respect to religion to premises used primarily for religious purposes. The United States of America shall be deemed a beneficiary of this covenant without regard to whether it remains the owner of any land of interest therein in the locality of the property hereby conveyed and shall have the sole right to enforce this covenant in any court of competent jurisdiction.

GRANTEE FURTHER COVENANTS and agrees for its successors and assigns that with respect to the property described in this deed, if any time within a 3-year period from the date of transfer of title by the Grantor, the Grantee or its successors or assigns shall sell or enter into agreements to sell the property, either as a single transaction or in a series of transactions, it is covenanted and agreed that all proceeds received or to be received in excess of the Grantee's or a subsequent seller's actual allowable costs will be remitted to the Grantor. In the event of a sale of less than the entire property, actual allowable costs will be apportioned to the property based on a fair and reasonable determination by the Grantor.

For purposes of this covenant, the Grantee's or a subsequent seller's deductible costs shall include the purchase price of acquiring this real property, the financing costs associated with the acquisition, and the direct costs actually incurred and paid for physical improvements on the subject property for the following:

(1) Improvements on the property which serve only that property, including road construction, storm and sanitary sewer construction, other public facilities or utility construction, building rehabilitation and demolition, landscaping, grading and other site or public improvements; and

(2) Design and engineering services with respect to the improvements described in (1) above, provided, however, that none of these costs will be deductible if defrayed by Federal grants or if used as matching funds to secure Federal grants.

In order to verify compliance with the terms and conditions of this covenant, the Grantee or its successors or assigns, shall submit an annual report for each of the subsequent 3 years to the Grantor on the anniversary date of this deed. Each report will identify the property involved in the transaction, indicate the sale price of any property resold, the purchaser and the proposed land use, and enumerate any allowable costs incurred for physical improvements on the property that would offset any profit realized. If no resale has been made, the report shall so state. Failure to file timely reports will extend the operation of the covenant for an additional 1-year period for each late or omitted report. The Grantor may monitor the property involved and

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inspect records related thereto to ensure compliance with the terms and conditions of this covenant and any profits realized through the resale of the property.

This covenant shall run with the land for a period of 3 years from the date of conveyance.

TOGETHER WITH all and singular the tenements, hereditaments and appurtenances thereunto belonging, or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof, and all also the estate, right, title, interest, property possession, claim and demand whatsoever, in law as well as in equity, of the said GRANTOR of, in or to the foregoing described premises, and every part and parcel thereof, with the appurtenances.

SAID PROPERTY transferred hereby was duly determined to be surplus, and was assigned to the General Services Administration for disposal pursuant to the Federal property Services Act of 1949 (63 Stat. 377), as amended, and applicable rules, orders and regulations.

TO HAVE AND TO HOLD, all and singular, the said premises, with the improvements thereon, unto the said GRANTEE, their successors and assigns forever.

IN WITNESS WHEREOF, THE GRANTOR has caused these presents to be executed as of the day and year first above written.

UNITED STATES OF AMERICA  
Acting by and through the  
ADMINISTRATOR OF GENERAL SERVICES

By

*Clara Bridges*

CLARA BRIDGES

Contracting Officer

Office of Real Estate Sales  
General Services Administration  
Region 9, SAN FRANCISCO, California

(6)

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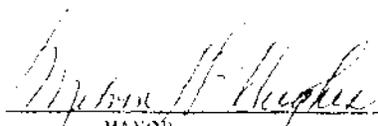
RANCHO PALOS VERDES

CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property conveyed by the Quitclaim Deed dated April 30, 1987 from the United States of America to the City of Rancho Palos Verdes, a political corporation, is hereby accepted by order of the City Council on May 19, 1987, by the undersigned officer on behalf of the City Council of Rancho Palos Verdes pursuant to authority conferred by action of the City Council on May 19, 1987, and the grantee consents to recordation thereof by its duly authorized officer.

Dated May 20, 1987

**87 895749**

  
MAYOR

ATTEST:

  
CITY CLERK

## **ACTIVITY AND USE LIMITATIONS (AULS) EXHIBITS**

This page is part of your document - DO NOT DISCARD

06 1224154



TITLE(S) :

\_\_\_\_\_



L E A D S H E E T

FEE

D.T.T.

FREE ZZ 19

CODE  
20

CODE  
19

CODE  
9

Assessor's Identification Number (AIN)

To be completed by Examiner OR Title Company in black ink.

Number of AIN's Shown

THIS FORM IS NOT TO BE DUPLICATED

2

06 1224154

RECORDING REQUESTED BY: )  
)  
City of Rancho Palos Verdes )  
30940 Hawthorne Boulevard )  
Rancho Palos Verdes, California 90275 )  
Attn: Ray Holland, Acting Director )

WHEN RECORDED, MAIL TO: )  
)  
Department of Toxic Substances Control )  
Office of Military Facilities )  
5796 Corporate Avenue )  
Cypress, California 90630 )  
Attention: John E. Scandura, Chief )

WITH A COPY TO: )  
)  
City of Rancho Palos Verdes )  
30940 Hawthorne Boulevard )  
Rancho Palos Verdes, California 90275 )  
Attn: Ray Holland, Acting Director )

SPACE ABOVE THIS LINE RESERVED FOR  
RECORDER'S USE

**COVENANT TO RESTRICT USE OF PROPERTY**

**ENVIRONMENTAL RESTRICTION**

**RE: Palos Verdes Interpretive Center [APN: 7573-002-908, 7573-002-909,  
7573-002-910, and 7573-002-913**

---

THIS COVENANT AND AGREEMENT ("Covenant") is made by the CITY OF RANCHO PALOS VERDES, a municipal corporation (the "Covenantor"), the current owner of property located in the City of Rancho Palos Verdes, County of Los Angeles, State of California, described in Exhibit "A", attached hereto and incorporated herein by this reference (the "Property") and the CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (the "Department"). Pursuant to California Civil Code ("Civil Code") section 1471(a)(3), the Department has determined that this Covenant is

reasonably necessary to protect present or future human health or safety or the environment as a result of the presence on the land of hazardous materials as defined in California Health and Safety Code ("Health and Safety Code") section 25260. The Covenantor and the Department, collectively referred to as the "Parties", hereby agree, pursuant to Civil Code section 1471 and Health and Safety Code section 25355.5 that the use of the Property be restricted as set forth in this Covenant; and the Parties further agree that the Covenant shall comply with the requirements of California Code of Regulations, title 22, section 67391.1.

**ARTICLE I**

**STATEMENT OF FACTS**

1.01. The Property, totaling approximately 26.4 acres, is more specifically described in Exhibit "A" and depicted in Exhibit "B," attached hereto and incorporated herein by this reference. The Property is also described as Los Angeles County Assessor's Parcel Nos.: 7573-002-908, 7573-002-909, 7573-002-910, and 7573-002-913. The Covenantor operates the Point Vicente Interpretive Center ("PVIC"), which is located at 31501 Palos Verdes Drive West, Rancho Palos Verdes, California 90275. The Property includes the PVIC and part of the Covenantor's "Point Vicente Park" ("Park"). The PVIC is currently improved with a building, parking areas, access roads, and landscaped areas.

1.02. During the facility expansion at the PVIC, surficial lead contaminated soil was encountered in the surface soils at the Park that were the result of prior use of the Property as a rifle range operated by the United States Department of Defense ("DoD") from the 1940's to the 1970's in the vicinity of an existing building of the PVIC. The Covenantor wishes to protect the present or future public health and safety and the environment; and to use the PVIC and the Park in a manner as to avoid potential harm to persons or property which may result from the potential contaminated soils that have been identified on the Property. The purpose of this Covenant is to restrict certain uses and activities for a portion of the Property.

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1.03. The Covenantor entered into a Memorandum of Agreement (the "MOA") in June 2002 with the United States Army Corps of Engineers ("USACE"), on behalf of the DoD, which provides for the remediation of the PVIC and the Property by the DoD under the supervision of the Department. The Property is being remediated by DoD pursuant to a Remedial Action Plan under chapter 6.8 of division 20 of the Health and Safety Code, under the oversight of the Department. The DoD has conducted a Remedial Investigation and Feasibility Study and has implemented certain remedial action and other response activities at the Park under the supervision and with the approval of the Department with the objective of restoring the environmental condition of PVIC and the Park to a condition such that it does not pose any risk to either health or the environment and so that PVIC and the Park may be fully utilized for their intended purposes as a park; educational, recreation and community center; and related governmental and public purposes. The remedial action, as approved by the Department, may leave some residual amounts of Hazardous Substances in place beneath the foundation and concrete floor/slab of an existing building, paved parking area(s), and paved access road(s) on the portions of the Property depicted on Exhibit "C" attached hereto and incorporated herein by this reference (the "Capped Property"). The Remedial Action Plan also required a deed restriction as part of site remediation because lead, which is a hazardous substance; hazardous waste or constituent; and hazardous material as defined in Health and Safety Code section 25316, 25117, and 25260, respectively, remains below the surface of the Capped Property. The Department circulated the Remedial Action Plan, which contains a Final Health Risk Assessment, together with a draft negative declaration for public review and comment, pursuant to the California Environmental Quality Act, California Public Resources Code section 21000 et seq. The Remedial Action Plan and the negative declaration were approved by the Department on May 20, 2002.

1.04 Based on a Human Health Risk Assessment conducted for the Feasibility Study, a total lead concentration in soil of 250 mg/kg was established as an action level protective of children in a residential backyard or playground. Adults have a much higher tolerance. The Ecological Risk Assessment and the US Fish and Wildlife Biological Assessment concluded that the site does not present an ecological risk and that

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the site is not a habitat for either the Palos Verdes Blue Butterfly or the El Segundo Blue Butterfly. The prohibited activities include any and all intrusive action(s) at the Capped Property, i.e., existing building, paved parking area(s), and paved access road(s).

1.05. This Covenant is intended to restrict the uses of the Capped Property and certain activities to ensure that, during any future construction or demolition of existing Improvements on the Capped Property that may involve disturbance of the cap or the soils underneath the cap, any residual amounts of hazardous substances left in place by the DoD will be appropriately handled and managed by DoD and the Covenantor. Among other things, the MOA provides that if the City of Palos Verdes, without changing the use of the Property for Park Uses, should, at some time following the completion of the remediation, either (i) discover lead contamination on the Property or in the Park at a concentration equal to or greater than 250 mg. per kg. (250 ppm), or (ii) during the course of construction activities related to the existing Improvements on the Property or in the Park, including, remodeling, rehabilitation, demolition, and other similar activities, encounter lead concentrations in soil equal to or greater than 250 ppm, then USACE (on behalf of DoD) shall, after receiving notice from the Owner (Covenantor or its successor(s) in interest), return the Park to the FUDS program and shall respond to the lead contamination. Owner shall copy the Department on any notice sent to USACE under this section 1.05.

## ARTICLE II

### DEFINITIONS

2.01. Department. "Department" shall mean the State of California Department of Toxic Substances Control and shall include its successor agencies, if any.

2.02. Owner. "Owner" means the Covenantor, its successors in interest, and their successors in interest, including heirs and assigns, who at any time hold title to all or any portion of the Property.

2.03. Hazardous Substances. "Hazardous Substances" shall mean those substances, wastes or constituents, or materials as defined in Health and Safety Code

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sections 25316, 25317, and 25260 of the Health and Safety Code, and in the regulations promulgated pursuant to said laws.

2.04. Improvements. "Improvements" is defined to include, but not be limited to, all buildings, roads, driveways, utilities, and paved parking areas on the Property or in the Park.

2.05. Occupant. "Occupant" means Owners and any person or entity entitled by ownership, leasehold, or other legal relationship to the right to occupy any portion of the Property.

### ARTICLE III

#### GENERAL PROVISIONS

3.01. Restrictions to Run with the Land. This Covenant sets forth protective provisions, covenants, restrictions and conditions (collectively referred to as "Restrictions"), upon and subject to which the Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. Each and every Restriction: (a) runs with the land, pursuant to Health and Safety Code section 25355.5(a)(1)(C) and Civil Code section 1471; (b) inures to the benefit of and passes with each and every portion of the Property, (c) is for the benefit of, and is enforceable by the Department, and (d) is imposed upon the entire Property unless expressly stated as applicable only to a specific portion thereof.

3.02. Binding upon Owners/Occupants. Pursuant to Health and Safety Code section 25355.5(a)(1)(C), this Covenant binds all owners of the Property, their heirs, successors, and assigns, and the agents, employees, and lessees of the owners, heirs, successors, and assigns. Pursuant to Civil Code section 1471, all successive owners of the Property are expressly bound hereby for the benefit of the Department.

3.03. Written Notice of the Presence of Hazardous Substances. Prior to the sale, lease, sublease, or rental of the Property, or any portion thereof, the owner, lessor, or ~~sublessor shall give the buyer, lessee, sublessee, or renter notice that hazardous~~

substances are located on or beneath the Property, as required by Health and Safety Code section 25359.7.

3.04. Incorporation into Deeds, Leases, and Rental Agreements. The Restrictions set forth herein shall be incorporated by reference in each and all deeds, leases, and rental agreements for any portion of the Property.

3.05. Conveyance of Property. The Owner shall provide notice to the Department not later than thirty (30) days after any conveyance of any ownership interest in the Property (excluding mortgages, liens, and other non-possessory encumbrances). The Department shall not, by reason of this Covenant, have authority to approve, disapprove, or otherwise affect the proposed conveyance, except as otherwise provided by law, by administrative order, or by a specific provision of this Covenant.

3.06. Costs of Administering the Deed Restriction to be paid by Owner. The terms of this deed restriction run with the land and will continue in perpetuity unless a variance is granted pursuant to section 6.01, or unless terminated pursuant to section 6.02. The Department has incurred and will in the future incur costs associated with the administration of this Covenant/deed restriction. Therefore, the Owner hereby covenants for itself and for all subsequent owners that, pursuant to California Code of Regulations, title 22, section 67391.1(h), the property owner agrees to pay the Department's costs associated with the administration of this Covenant. In the event that property ownership changes between the time the Department incurs administrative costs and the invoice for such costs is received, each owner of the property for the period covered by the invoice as well as the current owner is responsible for such costs. Costs of administering this Covenant do not include any costs that may be incurred by the Department for overseeing additional response actions that may be conducted by USACE on behalf of DoD.

**ARTICLE IV**

**RESTRICTIONS**

4.01. Restrictions on Use. Covenantor promises and covenants to restrict its use of the Property to use as a public park; an educational, research, recreation, and

community center; and other related governmental and public uses.

4.02. Future Construction or Demolition Activities. The Covenantor will notify the Department prior to any future construction or demolition of existing Improvements that may involve disturbance of the cap or the soils underneath the cap, and if Hazardous Substances are encountered during any future construction or demolition of existing Improvements on the Property the Covenantor will take such appropriate action as directed by the Department to address the presence, and if necessary, the remediation of any hazardous substances so encountered.

4.03 Soil Management

(a) Activities that may disturb soils beneath the Capped Property (e.g. excavation, grading, removal, trenching, filling, earth moving, mining, etc.) shall not be permitted without prior review and approval by the Department.

(b) No uses, improvements, or development of the Capped Property (other than routine, non-invasive maintenance) shall disturb the integrity of the concrete and asphalt that serve as caps on the Capped Property without prior review and approval by the Department.

(c) The concrete and asphalt that serve as caps on the Capped Property (other than routine, non-invasive maintenance) shall not be altered without written approval by the Department.

(d) The Owner shall maintain the caps on the Capped Property in a manner that avoids potential harm to persons or property which may result from the potential contaminated soils on the Capped Property.

(e) Any contaminated soils brought to the surface by grading, excavation, trenching, backfilling, or other activities shall be managed in accordance with all applicable provisions of state and federal law.

(f) The Covenantor will notify the Department of each of the following: (i)

the type, cause, location, and date of any disturbance and/or damage to the caps and (ii) the type and date of repair of such damage. Notification to the Department shall be made as provided below within ten (10) working days of both the discovery of any such disturbance and/or damage and the completion of any repairs. Timely and accurate notification by any Owner or Occupant shall satisfy this requirement on behalf of all other Owners and Occupants. Any information provided under this section should also be attached to the annual report required pursuant to section 7.07.

4.04. Access for Department. The Department and its designees shall have reasonable right of entry and access to the Property for inspection, monitoring, and other activities consistent with the purposes of this Covenant as deemed necessary by the Department in order to protect the public health or safety, or the environment.

**ARTICLE V**

**ENFORCEMENT**

5.01. Enforcement. Failure of the Covenantor, Owner, or Occupant to comply with any of the Restrictions or terms of the Covenant specifically applicable to it shall be grounds for the Department to require that the Covenantor or Owner modify or remove any Improvements constructed or placed upon any portion of the Property in violation of the Restrictions. Violation of this Covenant shall be grounds for the Department to file civil or criminal actions as provided by law.

**ARTICLE VI**

**VARIANCE, TERMINATION, AND TERM**

6.01. Variance. Covenantor, or any other aggrieved person, may apply to the Department for a written variance from the provisions of this Covenant. Such application shall be made in accordance with Health and Safety Code section 25233.

6.02. Termination. Covenantor, or any other aggrieved person, may apply to the Department for a termination of the Restrictions or other terms of this Covenant as they

apply to all or any portion of the Property. Such application shall be made in accordance with Health and Safety Code section 25234.

6.03. Term. Unless ended in accordance with the Termination paragraph above, by law, or by the Department in the exercise of its discretion, this Covenant shall continue in effect in perpetuity.

**ARTICLE VII**

MISCELLANEOUS

7.01. No Dedication Intended. Nothing set forth in this Covenant shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Property to the Department, or any portion thereof to the general public or anyone else for any purpose whatsoever.

7.02. Department References. All references to the Department include successor agencies/departments or other successor entity.

7.03. Recordation. The Covenantor shall record this Covenant, with all referenced Exhibits, in the County of Los Angeles within ten (10) days of the City's receipt of a fully executed original.

7.04. Notices. Whenever any person gives or serves any Notice ("Notice" as used herein includes any demand or other communication with respect to this Covenant), each such Notice shall be in writing and shall be deemed effective: (1) when delivered, if personally delivered to the person being served or to an officer of a corporate party being served, or (2) three (3) business days after deposit in the mail, if mailed by United States mail, postage paid, certified, return receipt requested:

To Owner: City of Rancho Palos Verdes  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, California 90275  
Attn: City Manager and Director of Public Works

06 1224154

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To Department: John E. Scandura, Chief  
Southern California Branch  
Office of military Facilities  
California Department of Toxic Substances Control  
5796 Corporate Avenue  
Cypress, CA 90630

Any party may change its address or the individual to whose attention a Notice is to be sent by giving written Notice in compliance with this paragraph.

7.05. Partial Invalidity. If any portion of the Restrictions or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

7.06. Statutory References. All statutory references include successor provisions.

7.07 Annual Reporting Requirement. Section 67391.1 of title 22, division 4.5, chapter 39 of the California Code of Regulations titled "Requirements for Land Use Covenants" (22 CCR § 67391.1) requires an implementation and enforcement plan to address the monitoring and maintenance requirements necessary to ensure that prohibited uses or activities are not occurring on the deed restricted property. The implementation and enforcement plan includes the recording of this Covenant, an annual report filed with the Department by January 15<sup>th</sup> of each calendar year subsequent to the recording of this deed restriction, and an annual inspection by the Department if deemed appropriate by the Department.

The annual report filed under penalty of perjury by the then current owner(s), shall certify that the property is being used in a manner consistent with the terms of this Covenant, and specify all monitoring or maintenance efforts taken to ensure compliance with the Covenant's terms, including maintenance of the caps on the Capped Property. If the property owner identifies any violations of the Covenant, the property owner must, within 90 days of identifying the violation, determine the identity of the party in violation, send a letter advising the party of the violation and a demand that the violation cease

immediately. Such letter shall be sent by certified mail with return receipt and signature required.

The annual report must include the date, time, and name of reviewer. It also shall describe how the observations were performed that are the basis for the statements/conclusions in the annual report (e.g. drive by, fly over, walk in, etc.). The annual report must also certify that the caps on the Capped Property are in good repair pursuant to section 4.03. If violations are noted by the observer, the annual report must detail the steps taken to return to compliance. Additionally, copies of any correspondence related to the enforcement of the deed restriction shall be sent to the Department within ten days of its original transmission.

IN WITNESS WHEREOF, the Parties execute this Covenant

**THE CITY OF RANCHO PALOS VERDES**

BY: *Stefan Jelenc*  
Mayor 5-3-06

Approved as to form:

BY: *Carly W. [Signature]*  
City Attorney

**STATE OF CALIFORNIA  
DEPARTMENT OF TOXIC SUBSTANCES CONTROL**

By: *[Signature]*  
John E. Scandura, Chief  
Southern California Branch  
Office of Military Facilities  
California Department of Toxic Substances Control

06 1224154

*Please see attached  
certificate 5-5 May 30, 2006*

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Orange } ss.

On May 30, 2006, before me, Claudia Sanchez Notary Public,  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared John E. Scandura  
Name(s) of Signer(s)

personally known to me

proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal Above

WITNESS my hand and official seal.

Claudia Sanchez  
Signature of Notary Public

### OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

#### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

#### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

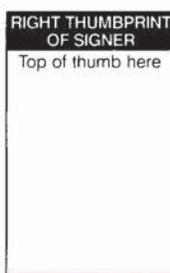
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

06 1224154

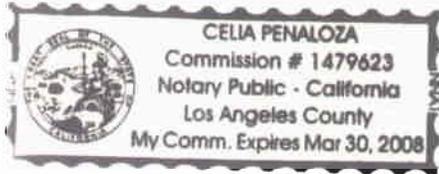
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California }  
County of Los Angeles } ss.

On May 3, 2006, before me, Celia Penalosa, notary public,  
Date Name and Title of Officer (e.g., Jane Doe, Notary Public)  
personally appeared Stefan Wolowicz,  
Name(s) of Signer(s)

personally known to me  
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Celia Penalosa  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: State of CA, Dep. of toxic substance control

Document Date: 5-3-06 Number of Pages: 11

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer**

Signer's Name: Stefan Wolowicz

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_



06 1224154

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EXHIBIT A  
Legal Description

That portion of the property described in the quitclaim deed recorded as Document 78-1011982 of Official Records, on September 12, 1978 in the office of the County Recorder of the County of Los Angeles, State of California, described as follows:

Commencing at the easterly terminus of the southerly line of that certain deed recorded July 6, 1956 as Instrument Number 2266, recorded in Book 51659, Page 148 of Official Records, said line being described on Tract Map 46628 recorded in Map Book 1235, Pages 29-37, of said county, as N82°29'58"E, 1727.09 feet. Thence, S82°29'58"W, 1,214.63 feet along said line; thence, S07°30'02"E, 525.49 feet to the **True Point of Beginning**. Thence, S87°04'49"W, 56.65 feet; thence, N55°06'14"E, 79.00 feet; thence, N34°53'46"W, 25.00 feet; thence, N23°30'11"E, 64.31 feet; thence, N54°45'50"E, 85.00 feet; thence, S35°14'10"E, 175.00 feet; thence, S54°45'50"W, 17.00 feet; thence, S35°14'10"E, 512.00 feet; thence, S21°19'29"W, 41.94 feet; thence, N35°14'10"W, 509.00 feet; thence, S83°06'15"W, 98.44 feet; thence, N34°53'46"W, 66.00 feet; thence, S55°06'14"W, 33.00 feet to the True Point of Beginning. Containing 1.002 acres.

Prepared by:

7-15-4 10:01 am

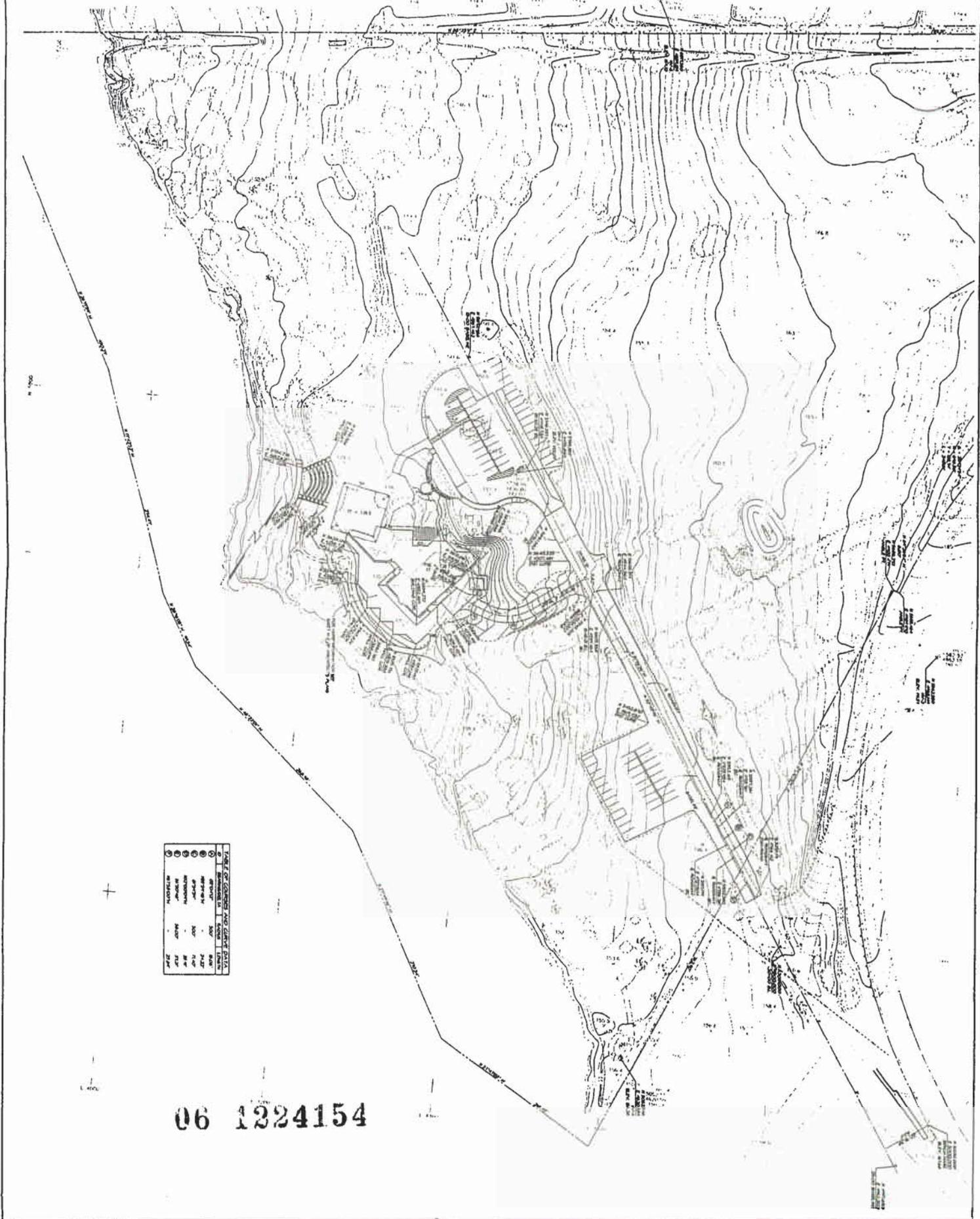
Donald R. Winslow, PCE 14214, Exp. 03/31/05



06 1224154

**EXHIBIT B**

**06 1224154**



①	EXISTING	PROPOSED
②	EXISTING	PROPOSED
③	EXISTING	PROPOSED
④	EXISTING	PROPOSED
⑤	EXISTING	PROPOSED
⑥	EXISTING	PROPOSED
⑦	EXISTING	PROPOSED
⑧	EXISTING	PROPOSED
⑨	EXISTING	PROPOSED
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㊿	EXISTING	PROPOSED

06 1224154

DATE	06-12-2014
BY	J. S. [Signature]
CHECKED	[Signature]
SCALE	AS SHOWN
PROJECT	POINT VICENTE INTERPRETIVE CENTER EXPANSION
SHEET	06-1224154
TOTAL SHEETS	1

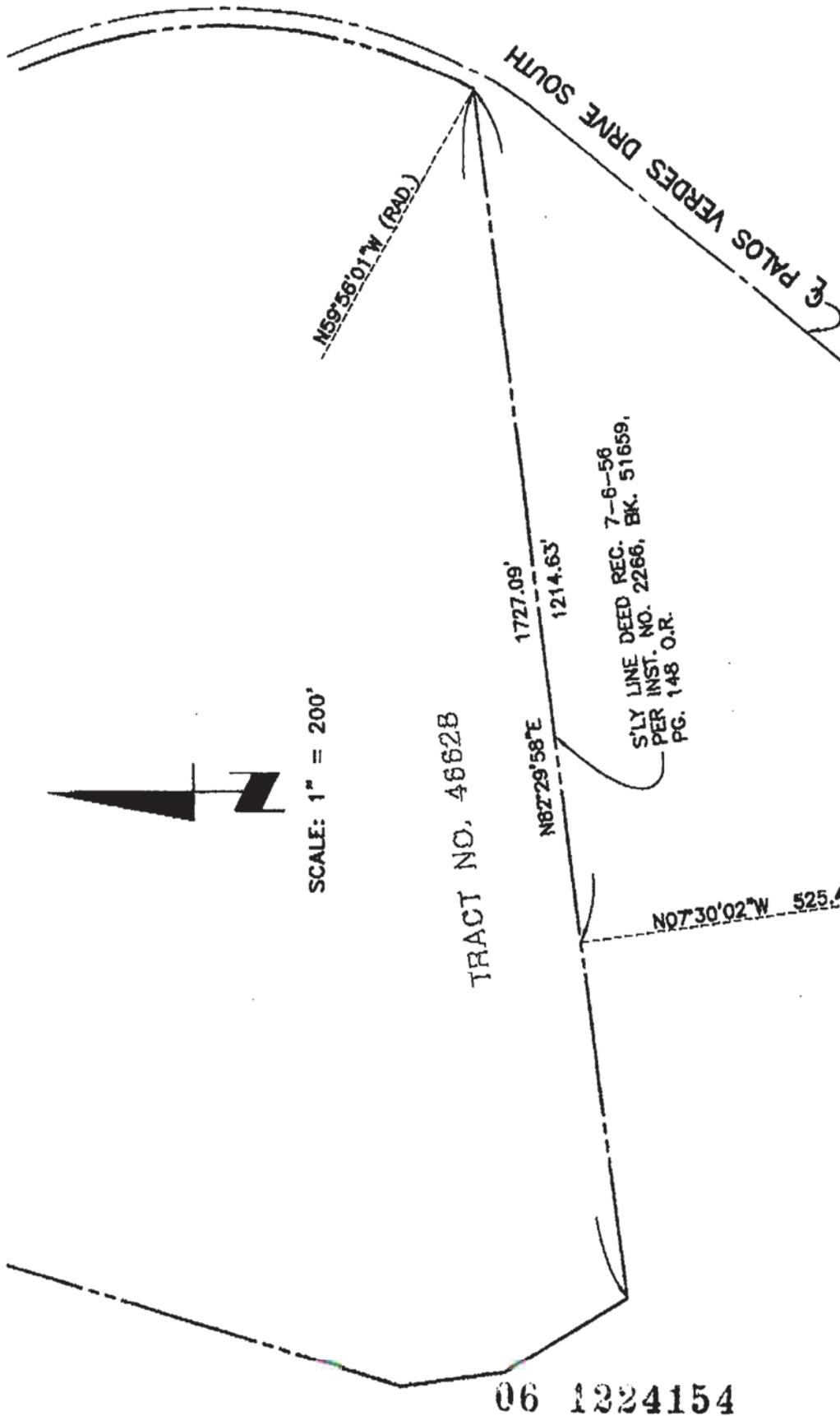
**HORIZONTAL CONTROL PLAN**  
**POINT VICENTE INTERPRETIVE CENTER EXPANSION**  
 31501 Pecos Verdes Drive West  
 Rancho Palms Verdes, CA



DESIGNED AND DRAWN BY: [Signature]  
**ALBERT CIVIL ENGINEERING, INC.**  
 200 W. Broadway Ave., Suite 110, Orange, CA 92668 (714) 270-0230

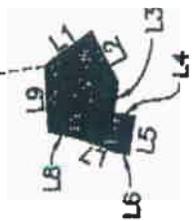
**EXHIBIT C**

**06 1224154**



06 1224154

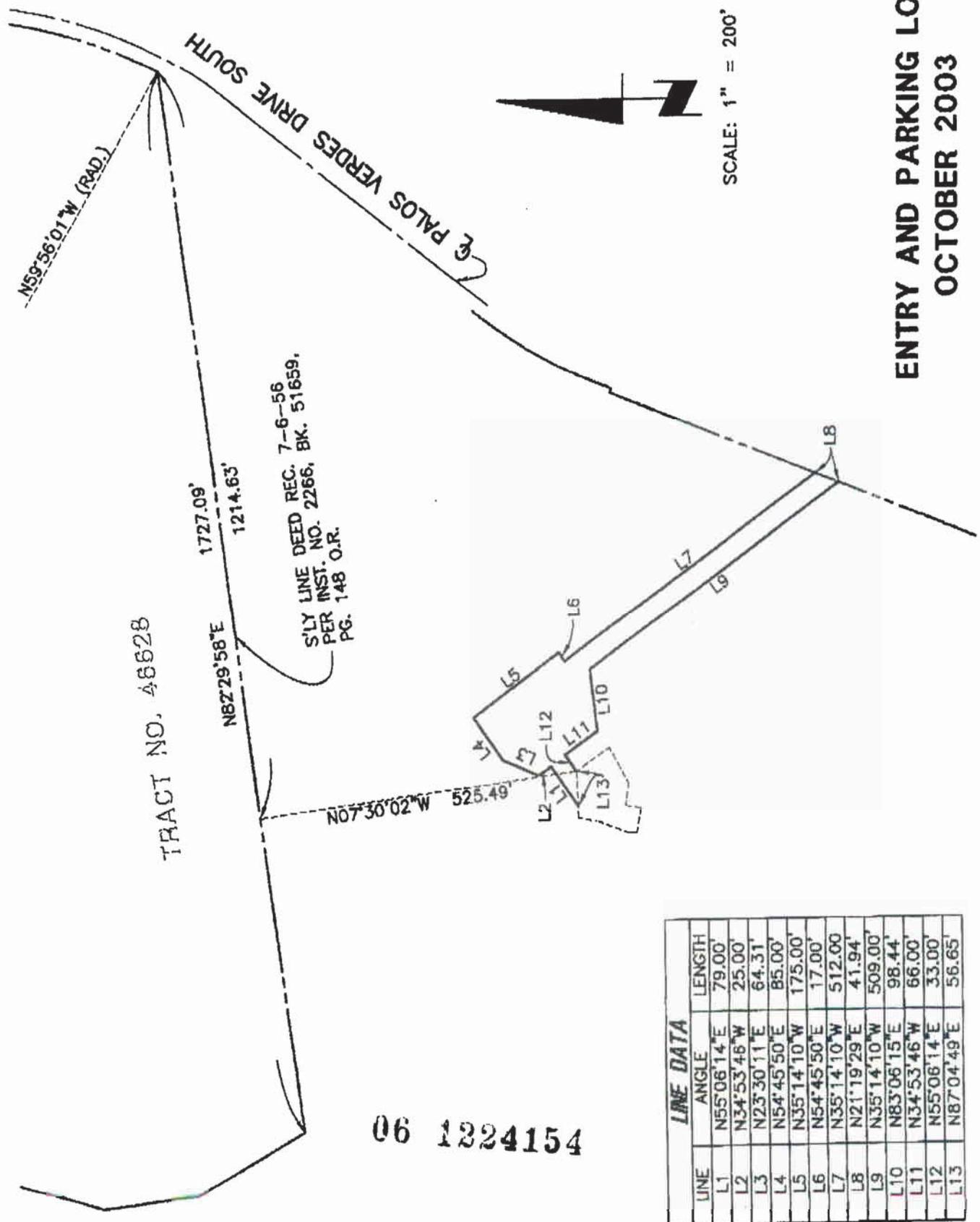
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LINE	ANGLE	LENGTH
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L2	N62°02'34\"E	67.18'
L3	N80°36'44\"W	35.49'
L4	N08°40'18\"E	26.38'
L5	N81°06'11\"W	42.08'
L6	N05°02'13\"E	14.07'
L7	N20°35'46\"E	52.39'
L8	N11°20'11\"E	34.01'
L9	N87°04'49\"E	75.33'



**EXISTING PVC BUILDING COMPLEX LIMITS  
MAY 2003**

20

**ENTRY AND PARKING LOT  
OCTOBER 2003**



TRACT NO. 46628

06 1224154

LINE DATA		
LINE	ANGLE	LENGTH
L1	N55°06'14"E	79.00'
L2	N34°53'46"W	25.00'
L3	N23°30'11"E	64.31'
L4	N54°45'50"E	85.00'
L5	N35°14'10"W	175.00'
L6	N54°45'50"E	17.00'
L7	N35°14'10"W	512.00'
L8	N21°19'29"E	41.94'
L9	N35°14'10"W	509.00'
L10	N83°06'15"E	98.44'
L11	N34°53'46"W	66.00'
L12	N55°06'14"E	33.00'
L13	N87°04'49"E	56.65'



**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard

Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.5

August 24, 2010

## The EDR Aerial Photo Decade Package



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# 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.

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

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

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**Date EDR Searched Historical Sources:**

Aerial Photography August 24, 2010

**Target Property:**

30940 Hawthorne Boulevard

Rancho Palos Verdes, CA 90275

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	Fairchild
1947	Aerial Photograph. Scale: 1"=666'	Flight Year: 1947	Fairchild
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Pacific Air
1965	Aerial Photograph. Scale: 1"=666'	Flight Year: 1965	Fairchild
1976	Aerial Photograph. Scale: 1"=666'	Flight Year: 1976	Teledyne
1990	Aerial Photograph. Scale: 1"=666'	Flight Year: 1990	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR



INQUIRY #: 2850857.5

YEAR: 1928

| = 500'





INQUIRY #: 2850857.5

YEAR: 1947

| = 666'





INQUIRY #: 2850857.5

YEAR: 1953

| = 555'





INQUIRY #: 2850857.5

YEAR: 1965

| = 666'





**INQUIRY #:** 2850857.5

**YEAR:** 1976

| = 666'





**INQUIRY #:** 2850857.5

**YEAR:** 1990

 = 666'





**INQUIRY #:** 2850857.5

**YEAR:** 1994

| = 666'





**INQUIRY #:** 2850857.5

**YEAR:** 2002

 = 666'





**INQUIRY #:** 2850857.5

**YEAR:** 2005

 = 604'





**City of Rancho Palos Verdes Upper Pointe Vincente**

30940 Hawthorne Boulevard

Rancho Palos Verdes, CA 90275

Inquiry Number: 2850857.4

August 20, 2010

# 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.

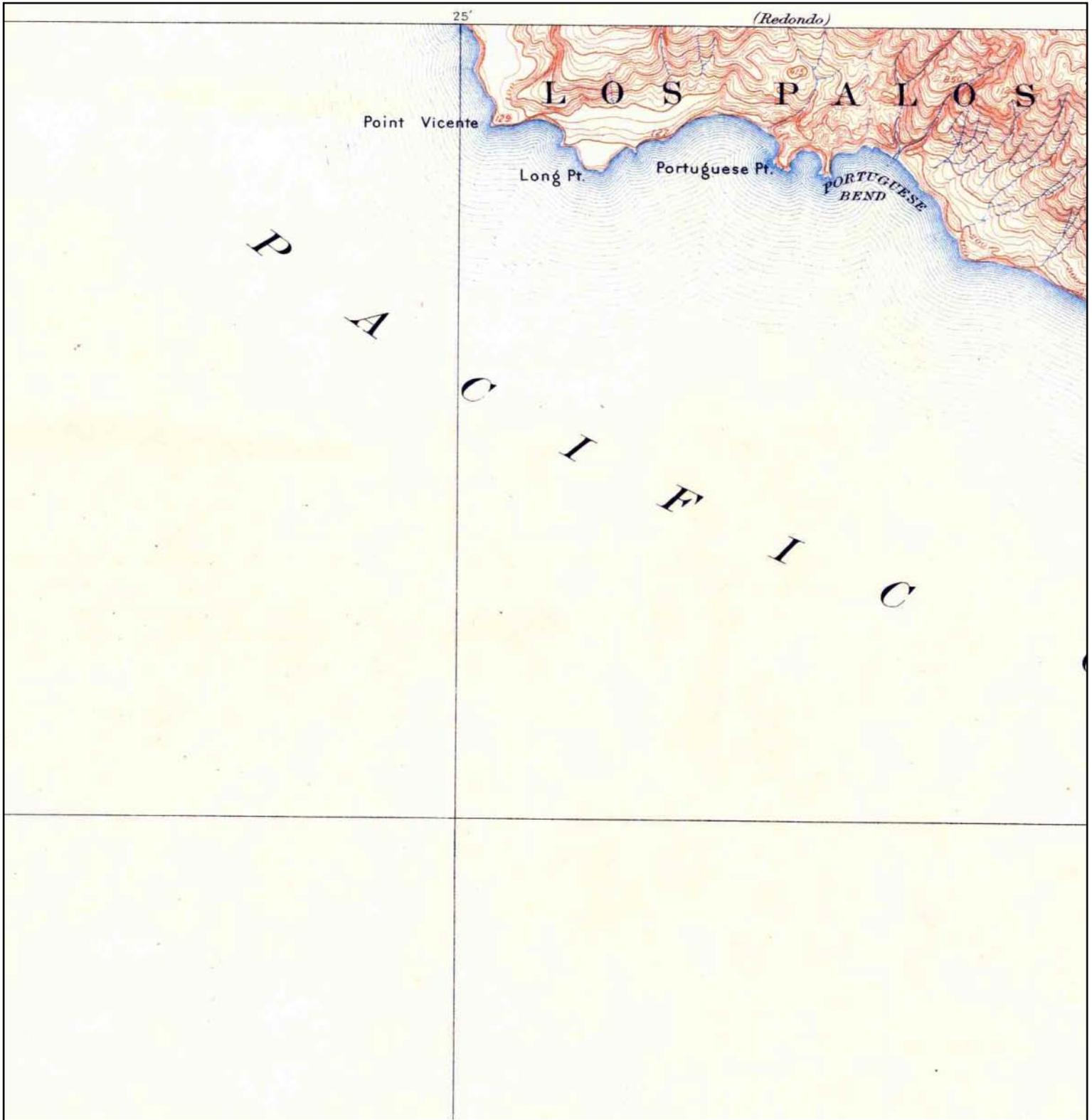
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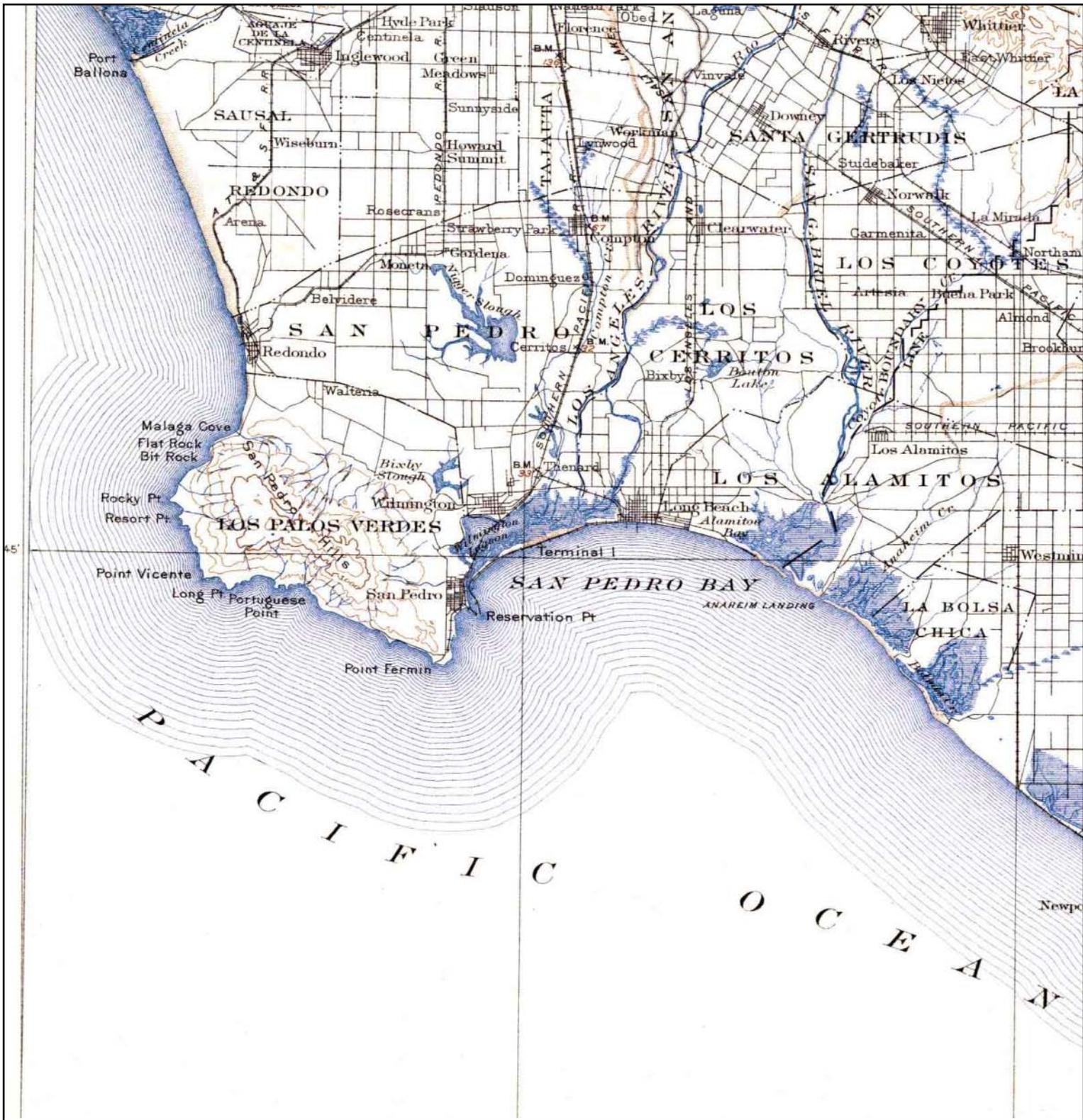
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# Historical Topographic Map



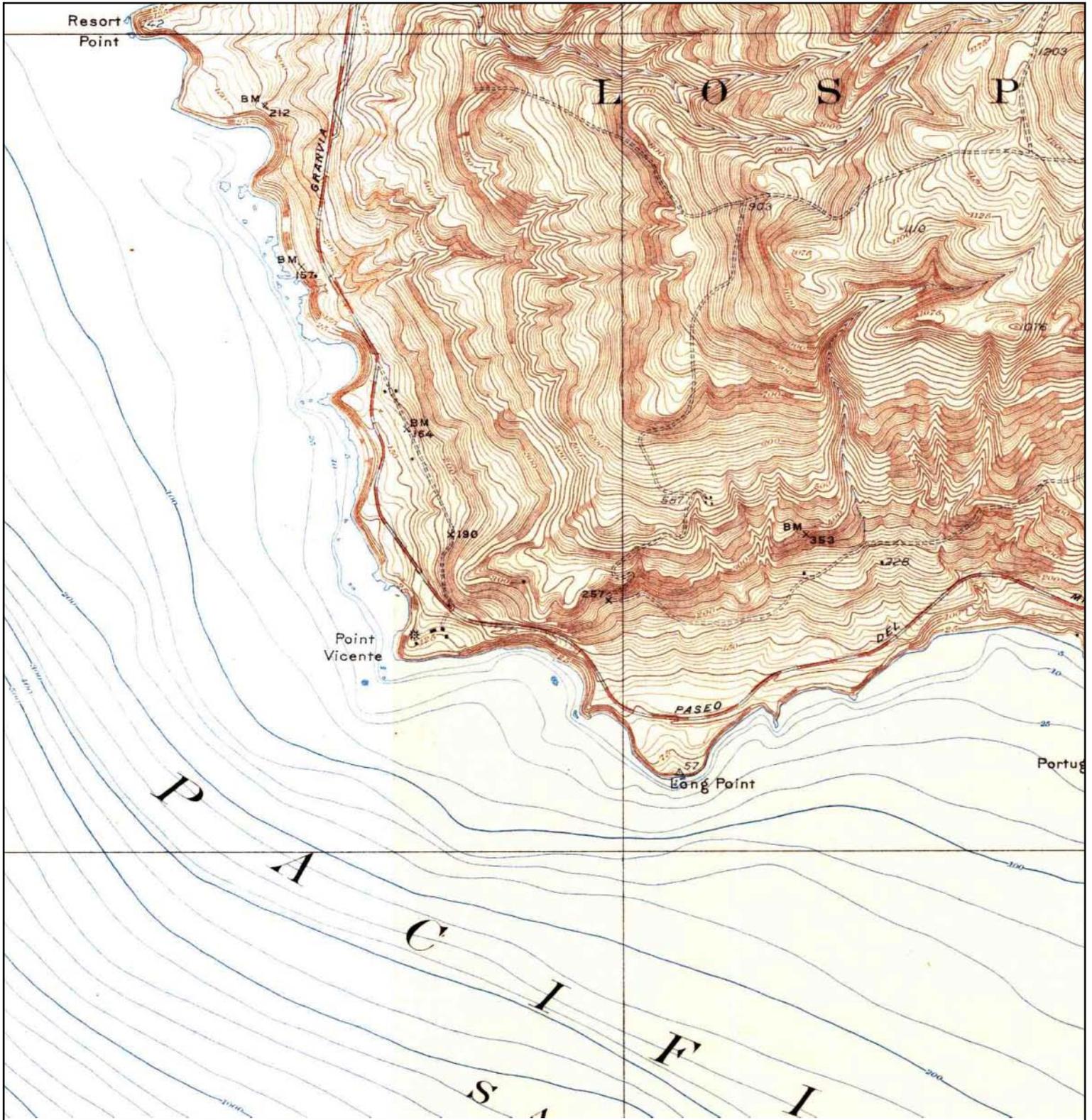
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	<b>NAME:</b> SAN PEDRO	Pointe Vincente	<b>CONTACT:</b> Eric Fraske
	<b>MAP YEAR:</b> 1896	<b>ADDRESS:</b> 30940 Hawthorne Boulevard	<b>INQUIRY#:</b> 2850857.4
		Rancho Palos Verdes, CA	<b>RESEARCH DATE:</b> 08/20/2010
	<b>SERIES:</b> 15	<b>LAT/LONG:</b> 33.745 / -118.4038	
<b>SCALE:</b> 1:62500			

# Historical Topographic Map



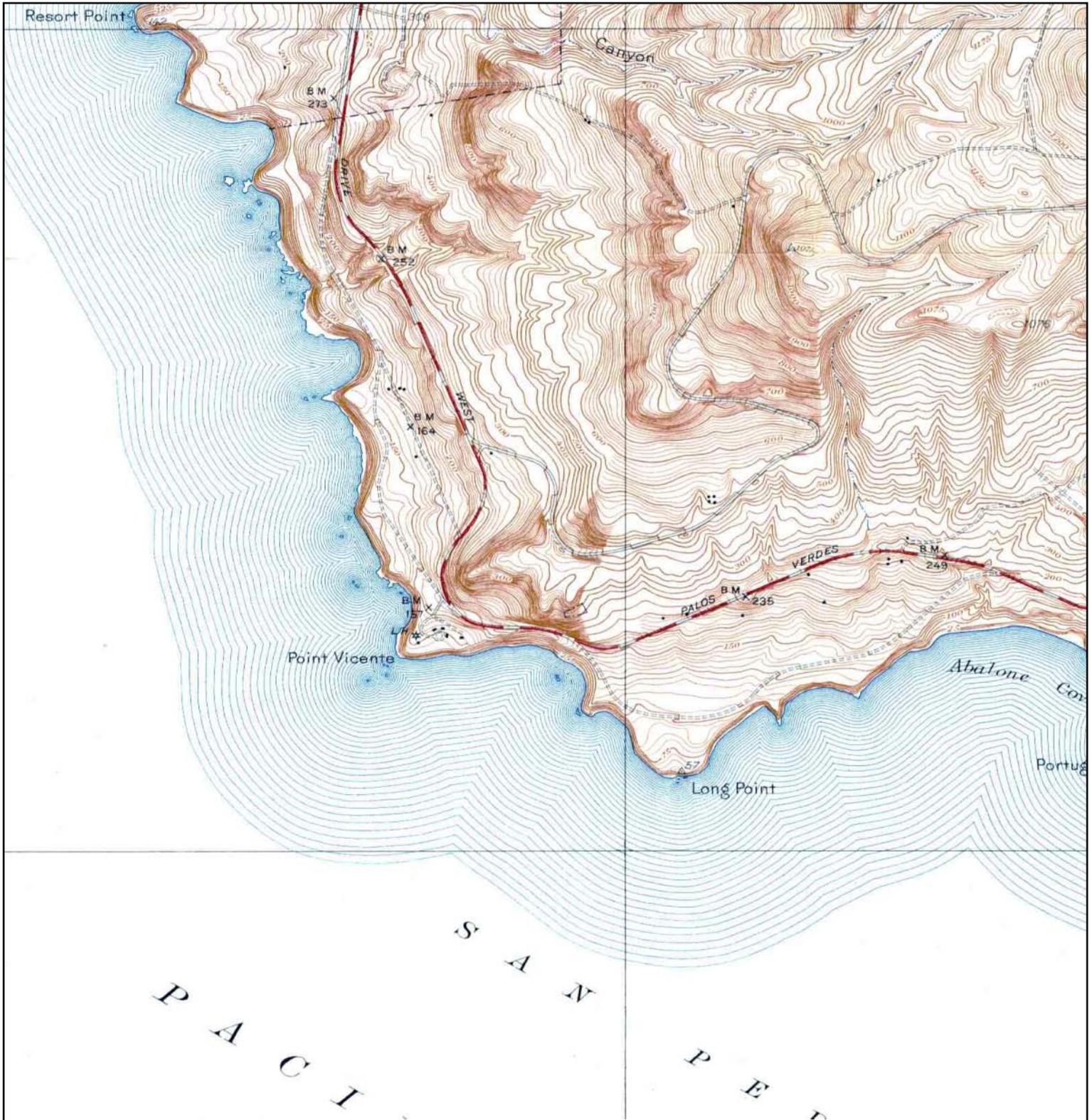
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	<p>SERIES: 60                  SCALE: 1:250000</p>	<p>ADDRESS: 30940 Hawthorne Boulevard                  Rancho Palos Verdes, CA</p>	<p>INQUIRY#: 2850857.4                  RESEARCH DATE: 08/20/2010</p>
		<p>LAT/LONG: 33.745 / -118.4038</p>	

# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: SAN PEDRO HILLS                  MAP YEAR: 1928</p>	<p><b>SITE NAME:</b> City of Rancho Palos Verdes Upper                  Pointe Vicente</p>	<p><b>CLIENT:</b> PSI, Inc.  <b>CONTACT:</b> Eric Frasse</p>
	<p><b>SERIES:</b> 7.5</p>	<p><b>ADDRESS:</b> 30940 Hawthorne Boulevard                  Rancho Palos Verdes, CA</p>	<p><b>INQUIRY#:</b> 2850857.4</p>
	<p><b>SCALE:</b> 1:24000</p>	<p><b>LAT/LONG:</b> 33.745 / -118.4038</p>	<p><b>RESEARCH DATE:</b> 08/20/2010</p>

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> City of Rancho Palos Verdes Upper	<b>CLIENT:</b> PSI, Inc.
	<b>NAME:</b> SAN PEDRO HILL	Pointe Vincente	<b>CONTACT:</b> Eric Fraske
	<b>MAP YEAR:</b> 1942	<b>ADDRESS:</b> 30940 Hawthorne Boulevard	<b>INQUIRY#:</b> 2850857.4
		Rancho Palos Verdes, CA	<b>RESEARCH DATE:</b> 08/20/2010
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	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



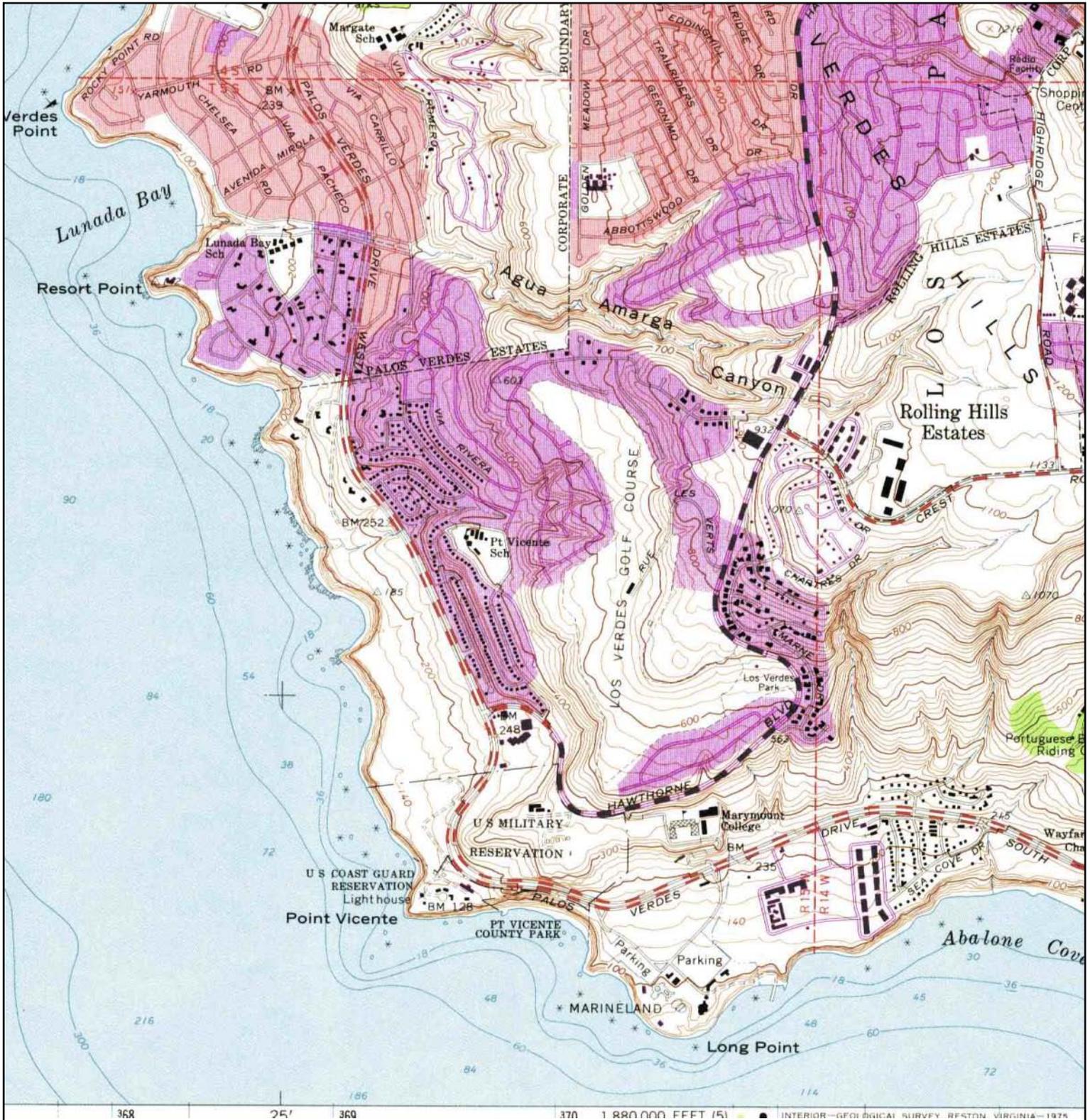
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	<b>NAME:</b> LONGBEACH VICINITY	Pointe Vincente	<b>CONTACT:</b> Eric Fraske
	<b>MAP YEAR:</b> 1951	<b>ADDRESS:</b> 30940 Hawthorne Boulevard	<b>INQUIRY#:</b> 2850857.4
	<b>SERIES:</b> 7.5	Rancho Palos Verdes, CA	<b>RESEARCH DATE:</b> 08/20/2010
	<b>SCALE:</b> 1:24000	<b>LAT/LONG:</b> 33.745 / -118.4038	

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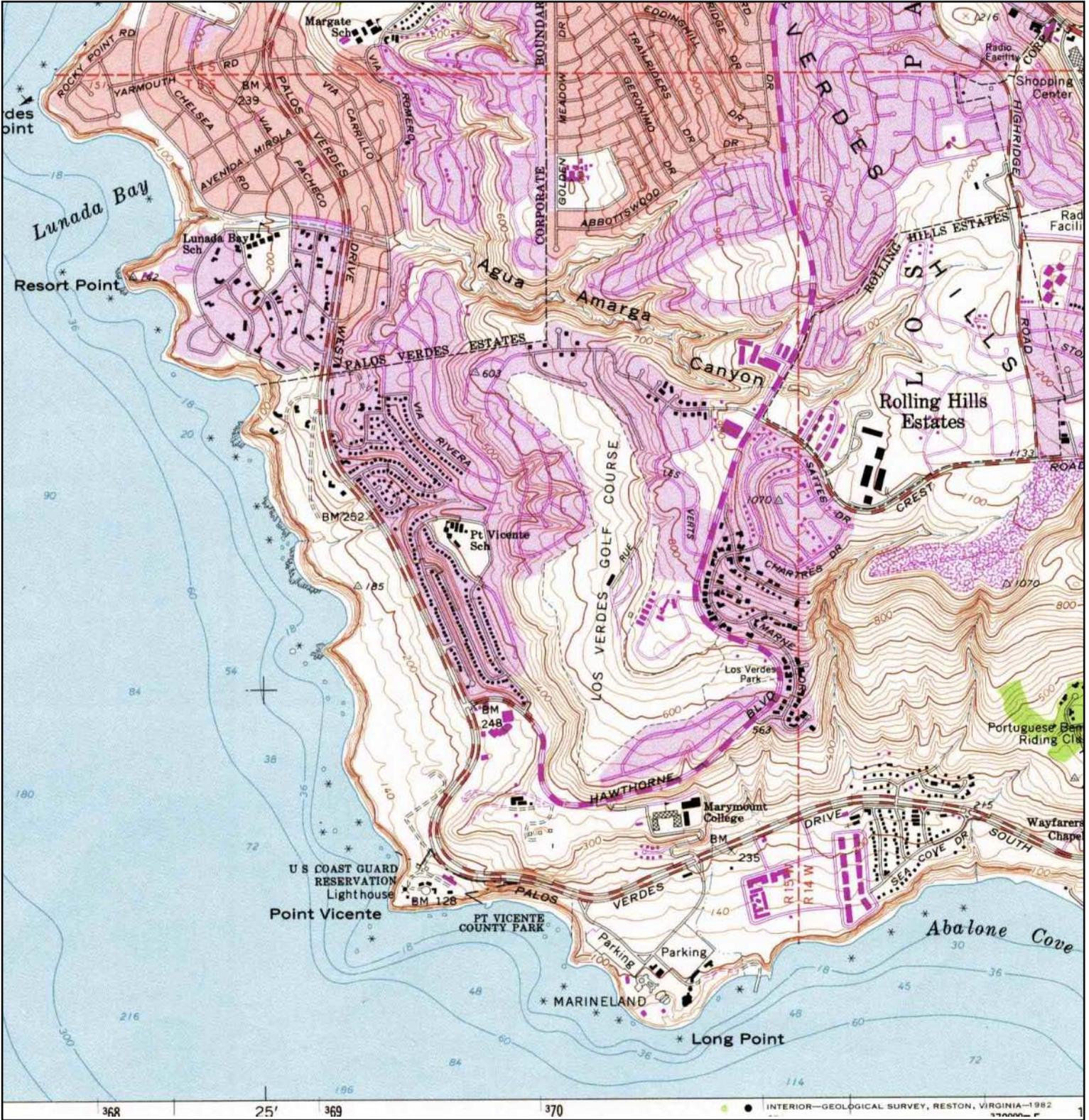
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	<p><b>SERIES:</b> 7.5</p>	<p><b>ADDRESS:</b> 30940 Hawthorne Boulevard                  Rancho Palos Verdes, CA</p>	<p><b>CONTACT:</b> Eric Frasca</p>
	<p><b>SCALE:</b> 1:24000</p>	<p><b>LAT/LONG:</b> 33.745 / -118.4038</p>	<p><b>INQUIRY#:</b> 2850857.4</p>
			<p><b>RESEARCH DATE:</b> 08/20/2010</p>

# Historical Topographic Map



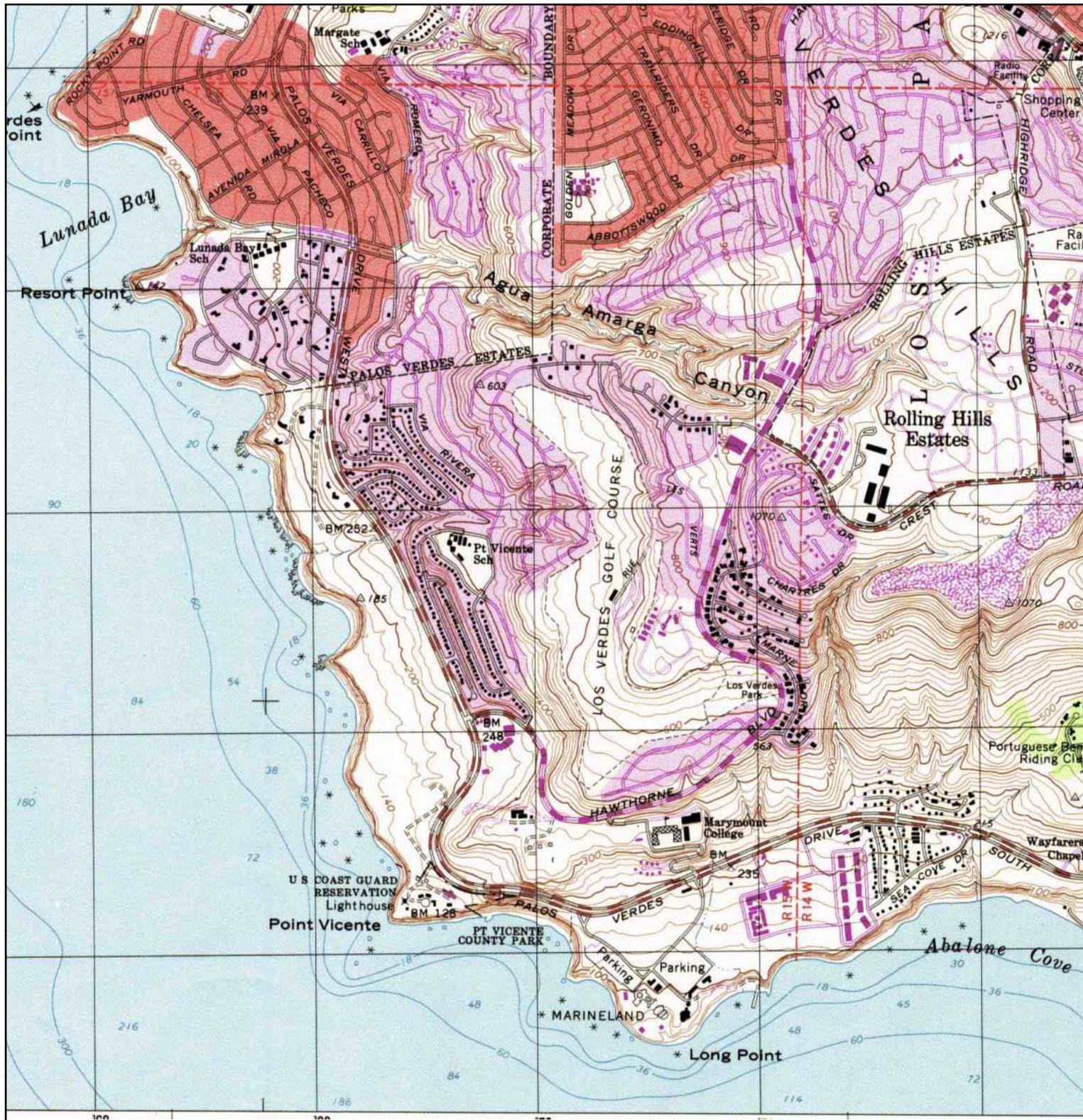
<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> City of Rancho Palos Verdes Upper	<b>CLIENT:</b> PSI, Inc.
	NAME: REDONDO BEACH	Pointe Vicente	<b>CONTACT:</b> Eric Fraske
	MAP YEAR: 1972	<b>ADDRESS:</b> 30940 Hawthorne Boulevard	<b>INQUIRY#:</b> 2850857.4
	PHOTOREVISED: 1963	Rancho Palos Verdes, CA	<b>RESEARCH DATE:</b> 08/20/2010
	SERIES: 7.5	<b>LAT/LONG:</b> 33.745 / -118.4038	
	SCALE: 1:24000		

# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b></p>	<p><b>SITE NAME:</b> City of Rancho Palos Verdes Upper</p>	<p><b>CLIENT:</b> PSI, Inc.</p>
	<p>NAME: REDONDO BEACH</p>	<p>Pointe Vicente</p>	<p>CONTACT: Eric Fraske</p>
	<p>MAP YEAR: 1981</p>	<p>ADDRESS: 30940 Hawthorne Boulevard</p>	<p>INQUIRY#: 2850857.4</p>
	<p>PHOTOREVISED: 1963</p>	<p>Rancho Palos Verdes, CA</p>	<p>RESEARCH DATE: 08/20/2010</p>
	<p>SERIES: 7.5</p>	<p>LAT/LONG: 33.745 / -118.4038</p>	
	<p>SCALE: 1:24000</p>		

# Historical Topographic Map



 <b>N</b>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> City of Rancho Palos Verdes Upper	<b>CLIENT:</b> PSI, Inc.
	<b>NAME:</b> REDONDO BEACH	Pointe Vicente	<b>CONTACT:</b> Eric Fraske
	<b>MAP YEAR:</b> 1996	<b>ADDRESS:</b> 30940 Hawthorne Boulevard	<b>INQUIRY#:</b> 2850857.4
	<b>SERIES:</b> 7.5	Rancho Palos Verdes, CA	<b>RESEARCH DATE:</b> 08/20/2010
	<b>SCALE:</b> 1:24000	<b>LAT/LONG:</b> 33.745 / -118.4038	

## **Appendix E:**

# **Regulatory Records Documentation**



Consulting • Engineering • Testing

Southern CA Environmental  
6330 Gateway Drive, Suite B  
Cypress, CA 90630

# FAX

DATE: August 20, 2010      NUMBER OF PAGES (including cover sheet): 1

TO: County of Los Angeles  
Public Works

FROM: Eric Fraske  
Project Manager

PHONE: (626) 458-3517

PHONE: (714) 484-8600, Ext. 209

FAX: (626) 458-3569

FAX: (714) 484-8601

CC:

CC:

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Please let me know if there are any records of Underground Tanks, Industrial Waste, or Stormwater at the following address(es):

30940 Hawthorne Blvd  
Rancho Palos Verdes, CA 90275

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*Thank you!!*

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**Appendix F:**  
**Interview Documentation**

# **SITE INVESTIGATION**

For the

**FORMER NIKE MISSILE FACILITY  
30940 HAWTHORNE BOULEVARD  
RANCHO PALOS VERDES, CALIFORNIA 90275**

Prepared for

**CITY OF RANCHO PALOS VERDES  
30940 HAWTHORNE BOULEVARD  
RANCHO PALOS VERDES, CALIFORNIA 90275**

Prepared by

**Professional Service Industries, Inc.  
3960 Gilman Street  
Long Beach, California 90815  
Telephone (562) 597-3977**

**PSI PROJECT NO. 559-5G024**

**September 7, 2005**



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Christine Prado  
Environmental Professional



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Valerie Marshall  
Principal Consultant

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# 1 EXECUTIVE SUMMARY

PSI has conducted a Site Investigation (SI) at the Former Nike Missile Facility in Rancho Palos Verdes, California 90275. The assessment was performed in general accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E 1903-97 and the contract between PSI and City of Rancho Palos Verdes dated June 20, 2005. The assessment was performed for City of Rancho Palos Verdes. Any exceptions or deletions from the scope of work are described in Section 2.4 of this report.

The subject property consists of a portion of the former Nike Missile Facility, currently owned by the City of Rancho Palos Verdes and addressed at 30940 Hawthorne Boulevard, Rancho Palos Verdes, California. The property includes two large concrete underground vaults formerly used as missile silos, herein referred to as Northeast Silo and Southwest Silo (including two hydraulic lift elevators and sound proof control rooms), a concrete launch pad, the property immediately adjacent to the launch pad, two concrete block out-buildings that are currently utilized as a cable television service building (Cable Building) and a maintenance equipment storage building (Maintenance Building) utilized by the City of Rancho Palos Verdes Department of Public Works, a generator building (Generator Building) currently utilized by the City of Rancho Palos Verdes to store signs, and the access road connecting the two out-building to the launch pad.

The purpose of this SI is to further assess the recognized environmental concerns identified by the following previous environmental assessments: 2004 Jones & Stokes Preliminary Environmental Constraints Study; the 2000 RBF Consulting Phase I ESA; and 2001 The Source Group, Inc. Phase II Site Assessment Report of Subsurface Soils. Another purpose of this SI is to assess presence of suspect asbestos containing materials (ACM), lead based paint and mold in the underground concrete vaults and associated control rooms.

The Site Investigation assessment included the following activities:

- A geophysical survey of the project area was conducted to provide data on the presence of explosive ordnances and underground structures such as underground storage tanks (USTs), piping, utilities, etc., using ground penetrating radar (GPR), electromagnetic induction (EM), and magnetometry.
- Eighteen (18) exterior soil borings (SB-1 through SB-18) were drilled on the former Nike Missile Facility (in the vicinity of the current Cable, Maintenance, and Generator Buildings, along the perimeter of the concrete launch pad, and on the access road connecting the cable and Maintenance Buildings to the launch pad) using a combination of direct-push, hollow-stem auger, and drive sampling technologies to a maximum depth of approximately 15- to 20-feet below ground surface (bgs), where possible. Six (6) interior soil borings were drilled within the missile silos (within the hydraulic lift elevator concrete pits, adjacent to the hydraulic oil reservoirs; and along the piping associated with the hydraulic lifts) to a maximum depth of 2-feet bgs. Soil samples were collected at depths ranging from 1- to 20-feet bgs.

- Based on field screening, selected soil samples were analyzed for the following:
  - Total petroleum hydrocarbons (TPH) fuel screen using United States Environmental Protection Agency (EPA) method 8015;
  - Volatile organic compounds (VOCs) using EPA method 8260;
  - Semi-VOCS (SVOCs) using EPA method 8270;
  - Polychlorinated biphenyls (PCBs) by EPA method 8082;
  - Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B;
  - Perchlorate using EPA Method 314;
  - Nitrogen using EPA method 354.1;
  - Chlorinated pesticides and herbicides by EPA Methods 8081 and 8151;
  - State of California Title 22 metals using EPA method 6010; and
  - pH using EPA method 9040.
- One (1) liquid sample of the contents within the hydraulic oil tank/reservoir in the Northeast Silo was collected. The liquid sample was analyzed for TPH fuel screen by EPA Method 8015M, PCBs by EPA Method 8082 and SVOCs by EPA Method 8270. The hydraulic oil tank/reservoir in the Southwest Silo was empty.
- The interior of the missile silos were surveyed for the presence of suspect ACM, lead-based paint, and fungal/mold contamination.
- A Traffic Impact Analysis will be conducted at a later date to assess weekday AM and PM peak hour potential traffic impacts at required study intersections. The results of the Traffic Impact Analysis will be submitted under separate cover.

Based on the methodologies described in this report, the Site Investigation has provided sufficient information to assess:

- Two notable anomalies (Anomaly 1 and 2) were identified by the geophysical survey (refer to Figure 2 and Appendix A), which were located to north of the Maintenance Building (former fueling building). These anomalies were highly suggestive of USTs. Anomaly 1 is suggestive of one large UST. However, it is possible that it is actually two smaller adjacent USTs. Three suspect vent lines were identified (two originating from Anomaly 1 and one originating from Anomaly 2), which connected to three suspect aboveground vent pipes located approximately 10 feet north of the Maintenance Building. A suspect product piping line was identified which originated from Anomaly 1 and terminated in the concrete missile launch pad. Based on findings of the geophysical survey and the historical information provided to PSI regarding operations at the Former Nike Missile Facility, PSI believes Anomalies 1 and 2 represent three petroleum USTs that have been abandoned in place.
- The site is underlain by brown, light brown, dark brown, light orange, gray, and yellowish brown clayey silt, silt, sandy silt, and gravely sand to the maximum depth investigated of 20 feet bgs. Groundwater was not detected during the drilling activities.

- PCBs were not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 1.
- TPH were not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 1.
- BTEX was detected in the soil sample collected from boring SB-8 at 10-feet bgs at concentrations of 0.001, 0.006, 0.003, and 0.007 milligrams per kilogram (mg/kg), respectively. Boring SB-8 is located near the perimeter of the concrete launch pad. No other VOCs were identified in the soil samples analyzed. The BTEX concentrations exhibited are below the EPA Preliminary Remediation Goals (PRGs) for residential soil. The soil analytical results are presented in Tables 1 through 4. Please refer to Tables 1 and 2.
- Phenol was detected in the soil sample collected from SB-16 at 5-feet bgs at a concentration of 0.14 mg/kg. The phenol concentration exhibited is below the PRG for phenol in residential soil. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 2.
- Values of pH in the soil samples analyzed ranged from 7.1 (in the soil sample collected from boring SB-5 at 10-feet bgs) to 9.5 (in the soil sample collected from boring SB-7 at 10-feet bgs). The pH values exhibited are relatively neutral, therefore not indicative of hazardous waste. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Perchlorate was not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Nitrogen (nitrate and nitrite) was identified in the soil samples collected from borings SB-2, through SB-6, SB-8 through SB-11, and SB-18 at concentrations ranging from 0.52 mg/kg (in the soil sample collected from boring SB-11 at 5-feet bgs) to 32 mg/kg (in the soil sample collected from boring SB-4 at 15-feet bgs). The EPA has not established a PRG for nitrate and nitrite. Borings SB-6 and SB-8 are located near the perimeter of the concrete launch pad. Boring SB-11 is located on the access road connecting the Maintenance Building to the concrete launch pad, approximately 2 feet west of the suspect product piping line. Nitrogen is a component of an oxidizer used in the Nike Ajax missile as a propellant. TPH, another rocket fuel component, was not identified in these borings. Therefore, the nitrate and nitrite findings may originate from application of pesticides associated with the historical agricultural usage of the property. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Pesticides/herbicides were detected in the soil samples collected from boring SB-10, SB-11, and SB-14 at 1-foot bgs and in the soil sample collected from boring SB-17 at 2-feet bgs (chlordane, dichlorodiphenyltrichloroethane {DDT}, and dieldrin). The concentrations exhibited are below their respective PRGs for residential soil, except for a concentration of dieldrin (0.067 mg/kg) identified in the soil sample collected from SB-14 at 1-foot bgs, which

exceeds the PRG for dieldrin in residential soil of 0.03 mg/kg. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.

- Concentrations of metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium, and zinc) were detected in the soil samples analyzed at various concentrations that do not exceed their respective State of California Total Threshold Limit Concentrations (TTLs) and ten times their respective State of California Soluble Threshold Limit Concentrations (STLCs), except for the following metals which exceeded their STLCs: barium concentrations identified in borings SB-3, SB-8, and SB-16 (ranging from 1,100 mg/kg to 1,800 mg/kg); a cadmium concentration identified in boring SB-9 at 15 mg/kg; and chromium concentrations identified in borings SB-5 (59 mg/kg) and SB-9 (110 mg/kg). The ten times STLC values for barium, cadmium, and chromium are 1,000, 10, and 50 mg/kg, respectively. Boring SB-3 is located approximately 10 feet west of Anomaly 4. Borings SB-5 and SB-8 are located near the perimeter of the concrete launch pad. Boring SB-9 was drilled approximately 5 feet south of Anomaly 3. Boring SB-10 was drilled on the grassy area approximately 10 feet north of the concrete launch pad. Boring SB-16 is located approximately 20 feet north of the suspect UST aboveground vent pipes. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 4.
- A concentration of 180,000 mg/kg of extractable hydrocarbons was detected in the liquid sample. The extractable hydrocarbons have a carbon chain range of C30 through C44, which cannot be classified as gasoline or diesel. These carbon chains may be representative of degraded oils or waste oil.
- PCBs were not detected above laboratory reporting limits in the liquid sample analyzed.
- Concentrations of tentatively identified compounds (TICs) were identified in the liquid sample analyzed (an estimated concentration of 68,000 mg/kg of 2-{2-(2-methoxyethoxy)ethoxy}ethanol isomer and an estimated concentration of 2-(2-hydroxypropoxy)-1-propanol isomers). These TICs were identified from the SVOCs analysis (EPA method 8270). The equipment used in this method is not calibrated for these compounds, therefore the concentrations identified are estimations only. 2-{2-(2-methoxyethoxy)ethoxy}ethanol and 2-(2-hydroxypropoxy)-1-propanol are glycols that can be found in cleaning solutions and certain detergents and soaps. The liquid sample analytical results are presented in Table 5.
- ACM was identified in the acoustical wall tile within the control room in the Northeast Silo (identified as containing 15 % chrysotile by volume). The State of California considers a material to be asbestos-containing if at least one sample of the material contains greater than 1% asbestos by volume. Approximately 240 square feet of this material was observed. The City of Rancho Palos Verdes was not able to provide PSI access into the control room in the Southwest Silo, which is padlocked. Therefore, ACM in the control room in the Southwest Silo was not assessed. However, the building materials in this room and the building materials in the Northeast Silo control room are assumed to be homogenous. Please refer to Table 6.

- The U.S. Department of Housing And Urban Development (HUD) guideline action level for lead in paint is 0.5% lead by weight or 1 milligram per square centimeter (mg/cm<sup>2</sup>) lead content. The lead-based paint sampling results identified lead in paint at levels exceeding the HUD action level in the following components:
  - Gray paint located on the lower portions of the stairwell walls in the Southwest Silo. The total estimated area of this component is 60 square feet.
  - Safety yellow paint located on the doors and stairwell walls in both silos. The total estimated area of this component is 60 square feet.
  - Black paint located on the entry door to the Southwest Silo. The total estimated area of this component is 30 square feet.
  - Red paint located on the interior trim in the Southwest Silo. The total estimated area of this component is 30 square feet.
  - Gray paint located on the elevator pit in the Northeast Silo. The total estimated area of this component is 1,000 square feet.
  - Dark green paint located on the piping in the Northeast Silo. The total estimated area of this component is 100 linear feet.

The lead-based paint analytical results are summarized in Table 7.

- Signs of limited mold growth were identified in both missile silos. Representative site observations for each of these general findings are provided below.
  - Hyphal fragments, *Penicillium* / *Aspergillus* and *Cladosporium* mold species were identified on the west concrete wall of the Southwest Silo.
  - Hyphal fragments, *Beauvaria* and *Cladosporium* mold species were identified on the south concrete wall of the main missile storage area of the Southwest.
  - Hyphal fragments, *Penicillium* / *Aspergillus* and *Cladosporium* mold species were identified on the east concrete wall of the Northeast Silo.

Based on the findings presented above, the following recommendations are offered:

- A Supplemental SI is recommended to delineate the vertical extent of the dieldrin identified in boring SB-14 and to further assess the barium, cadmium, and chromium concentrations identified in borings SB-3, SB-5, SB-8, SB-9, and SB-16. STLC laboratory analysis for barium, cadmium, and chromium in borings SB-3, SB-5, SB-8, SB-9, and SB-16 is recommended.
- Excavation of the suspect USTs (Anomalies 1 and 2) and related product piping lines identified in the Geophysical Survey is recommended. The USTs should be excavated in accordance with Los Angeles County Department of Public Works (LACDPW) UST closure requirements.
- Based on the close proximity of soil boring SB-9 to Anomaly 3 and the findings of chromium and cadmium at levels exceeding ten times the STLC in this boring, it is recommended that this anomaly is excavated and disposed.

- It is recommended that that the contents of the hydraulic oil tank/reservoir in the Northeast Silo are disposed by a licensed waste hauler.
- It is recommended that the mold identified in the missile silos is removed with a mild fungicide such as a 10 % bleach solution. It is also recommended that the source of the moisture in the missile silos resulting in mold growth is identified so that future mold growth is prevented.
- It is recommended that prior to any demolition, remodeling and/or renovation activities, any ACM and lead-based paint at the site that may be affected by the activities be isolated and/or abated by a licensed asbestos contractor.

## 2 INTRODUCTION

PSI conducted a Site Investigation (SI) of the Former Nike Missile Facility located in Rancho Palos Verdes, California 90275.

The City of Rancho Palos Verdes is proposing to develop a new Art Center Facility on approximately 8.25 acres of the former Nike Missile Facility, which will be leased from the City of Rancho Palos Verdes. The purpose of this SI is to assess the historical use of a portion of the former Nike Missile Facility, which includes two large concrete underground vaults formerly used as missile silos (includes two hydraulic lift elevators and sound proof control rooms), a concrete launch pad, the property immediately adjacent to the launch pad, two concrete block out-buildings that are currently utilized as a cable television service building (Cable Building) and a maintenance equipment storage building (Maintenance Building) utilized by the City of Rancho Palos Verdes Department of Public Works, a generator building (Generator Building) currently utilized by the City of Rancho Palos Verdes to store signs, and the access road connecting the two out-building to the launch pad. The proposed scope of work is to further assess the recognized environmental concerns identified by the following previous environmental assessments: 2004 Jones & Stokes "Preliminary Environmental Constraints Study"; the 2000 RBF Consulting "Phase I ESA"; and 2001 The Source Group, Inc. "Phase II Site Assessment Report of Subsurface Soils". In addition this SI will assess the presence of suspect ACM, lead based paint and mold in the underground concrete vaults and associated control rooms. An additional purpose of this SI is to perform a traffic study to evaluate any impacts associated with the development of the proposed Palos Verdes Art Center at the former Nike Missile Facility.

This report documents the scope of work, field investigation activities, laboratory analyses and evaluation of data with respect to the recognized environmental conditions assessed. The assessment was conducted in general accordance with ASTM Standard E 1903-97, Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.

### 2.1 AUTHORIZATION

Authorization to perform the assessment was given on June 20, 2005 by a signed Authorization To Proceed referencing a Professional Services Agreement between PSI and the City of Rancho Palos Verdes. Access to the property was provided by Mr. Matt Waters of City of Rancho Palos Verdes Parks and Recreation.

### 2.2 SITE DESCRIPTION

The area of the former Nike Missile Facility to be assessed includes two underground concrete vaults previously used as missile silos that are approximately 3,000 square feet each. Each missile silo contains a hydraulic lift elevator and a sound proof control room. Also included are the concrete launch pad, two concrete block out-buildings (Cable Building and a Maintenance Building) utilized by the City of Rancho Palos Verdes Department of Public Works, an access road between the two out-buildings and the launch pad, and the area of land immediately adjacent to the launch pad. The proposed Palos Verdes Art Center will encompass approximately 8.25 acres of land. The site location is presented in Figure 1 and the site layout (along with exterior boring locations) is presented in Figure 2.

## **2.3 PROJECT BACKGROUND**

The former Nike Missile Facility is currently owned by the City of Rancho Palos Verdes. During the 1950's and 1960's, the Nike Missile Facility was home to the administration and launch facilities for both the Nike Ajax and Nike Hercules anti-aircraft missiles. It was designated as Los Angeles Defense Area (LADA) #55, a part of the air defense system of Los Angeles during the Cold War. The Nike defense system operated until approximately 1974.

The Nike Ajax missile was put in service in 1953 and used several acid or corrosive mixtures in the propellant system. The starting fluid was 99% Unsymmetrical Dimethylhydrazine (UDMH). The propellant was 83% JP-4 turbine engine fuel and 17% UDMH. The missile oxidizer was Inhibited Red Fuming Nitric Acid (IRFNA), composed of 83% Nitric Acid, 14% Nitrogen Dioxide, 0.6% Hydrofluoric Acid. The Nike Hercules missile was put in service in 1958 and did not use liquid propellants.

According to the Department of Defense (DOD), potentially hazardous materials used at the subject property during the operation of the Nike Missile Facility may have included nitrosamines, JP fuel, octane, gasoline, 2-propanol, trichloroethylene (TCE), acetone, 2-Butanone (MEK), tetrachloroethylene (PCE) polychlorinated biphenyls (PCBs), waste oils, paints, and ethylene glycol.

Previous assessments conducted at the former Nike Missile Facility are summarized below.

### **Phase I ESA**

A Phase I Environmental Site Assessment (ESA) of the subject property was conducted by RBF Consulting in September 2000. The ESA included the Upper Point Vicente Area (land owned by the City of Rancho Palos Verdes and the County of Los Angeles) which is located adjacent to the north of Palos Verdes Drive South and the Resort Hotel Area (formerly Marine Land Aquatic Park) located south of Palos Verdes Drive South. The Upper Point Vicente Area includes the City of Rancho Palos Verdes City Hall, the Cable Building, Point Vicente Battery #240 and the two former Nike Missile silos. The southeastern portion of the Upper Point Vicente Area is developed for agricultural use. The Phase I ESA identified recognized environmental conditions and provided the following findings and recommendations for further investigation. Only the findings and recommendations for the former Nike Missile Facility are summarized.

- Based on two untitled historical information packets provided by the City of Rancho Palos Verdes, the Upper Point Vicente Area was formerly owned and operated by the United States Army as a missile (Nike) site and gunnery range until 1974.
- Surveys of the former Nike Missile Facility conducted in 1992 and 1996 by the U.S. Army Corps of Engineers indicated that the risk associated with explosive ordnance and missile propellants is low as these materials were removed from the area.
- As part of the abandonment by the U.S. Army of the Nike Missile Facility (Nike Bunker Battery #55) three (3) abandoned fuel storage tanks and the sampling and disposal of seven 55-gallon drums were identified. Soil sampling was also conducted around these identified areas and in the area of the former paint storage shed and acid storage and fueling facilities. However, according to the historical research conducted by RBF Consulting, it is unclear whether the soil sampling actually was conducted.

- Current and historical agricultural usage of the subject property potentially released pesticides which are now banned. Historical use of agricultural pesticides may result in pesticide residue in the soil at concentrations that could be considered a human health risk. There is no regulatory requirement that soil is tested prior to development.
- Due to the age of the existing structures, the structural components of the Nike Missile silos may potentially contain ACM, lead based paints and PCBs. The onsite structures including the Nike Missile silos and two out-buildings should be surveyed prior to the commencement of any demolition or remedial work.
- An unknown liquid (possibly rain water) was observed during the 2000 Phase I ESA site reconnaissance conducted by RBF Consulting pooling in the lower portion of the concrete floor (near the hydraulic lifts) inside the Nike Missile Silos.
- Based on the construction date of the facility (1950s), PCBs may be present in the transformers and the hydraulic lifts within the Nike Missile Facility. It was recommended that the liquid in the transformers and hydraulic oil tank are sampled and analyzed.
- A Phase II level investigation was recommended to determine the level of potential contamination associated with the historic use of the Upper Point Vicente Area.
- Any proposed modifications to the Nike Missile silos should be coordinated with the appropriate authorities from the United States Department of the Interior or National Park Service.
- The 2000 U.S. Army Corps of Engineers Ordnance and Explosive Chemical Warfare Material Archives Search did not locate any documentation relating to chemical warfare materials activities, including chemical warfare training, chemical warfare material storage, use or disposal at the Point Vicente Seacoast Defense Sites. Investigation of historical records did not reveal any certificates of ordnance clearance, decontamination, or dedudding associated with the Point Vicente Seacoast Defense Sites. The archive search did not find any indication of a current ordnance and explosive hazard from the military's use of Point Vicente Seacoast Defense Sites. The site survey did not reveal any specific ordnance or explosive hazard at the areas inspected.
- Based on the existing documentation, it is unclear whether the former Nike Missile Facility has been cleared by the DOD for further development opportunities.
- No significant environmental condition associated with the stockpiling of material such as yard waste and other non-hazardous materials was observed in the City Corporate Yard.
- No significant environmental conditions were noted to result in impacts to the project site for offsite facilities or land uses.

## **Phase II ESA**

A Phase II ESA of the Upper Point Vicente Area-City Hall, dated March 27, 2001, was conducted by The Source Group. The property assessed by The Source Group was a portion of a 64.9-acre property known as the Upper Point Vicente area, which was previously operated by the U.S. Army and the DOD as a Nike Missile base. Military operations were conducted on this site from the 1940's to the 1970's. Portions of the site are and have been used for agricultural purposes. The area of the Phase II ESA was limited to the City Hall area, which held the offices and barracks associated with the former Nike Missile base, asphalt parking area and access road. The former Nike Missile silos, launch pad, two out-buildings (the Cable Building and Maintenance Building

utilized by the City of Rancho Palos Verdes Department of Public Works), Point Vicente Battery #240 gun emplacement and agricultural area located to the southeast of City Hall were not assessed as part of the Phase II ESA. Because of pending construction activities, the Phase II ESA was performed to assess subsurface soils for the presence of chemical constituents associated with the former Nike Missile Facility which may have included liquid rocket fuel components, petroleum hydrocarbons, and pesticides from former agricultural use.

The purpose of the investigation was to obtain information regarding the potential contact of construction workers with recognized environmental concerns (RECs) associated with the former Nike Missile Facility operations and agricultural use during future construction activities. The investigation assessed the potential contaminants, locations, and magnitude (if present). Constituents of concern (COCs) investigated include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), PCBs, pesticides, total petroleum hydrocarbons (TPH), metals, perchlorate, nitrate, and pH. Random soil samples were collected at shallow depth ranging from 2 to 10-feet below ground surface (bgs) using a Geoprobe drill rig in the vicinity of Rancho Palos Verdes City Hall.

The Phase II ESA reported limited concentrations of COCs within the assessed area; however none of the concentrations exceeded their respective United States Environmental Protection Agency (EPA) Preliminary Remediation Goals (PRGs). The analytical results identified nitrate (ranging from 1.2 milligrams per kilogram {mg/kg} to 350 mg/kg) and pH (ranging from 8.4 to 9.24) in the shallow soil in the study area. Other components of rocket fuel were not detected in the soil. The Phase II ESA concluded that there does not appear to be adverse conditions in shallow soils in the City Hall area associated with past or current uses. No further environmental assessment was recommended in the City Hall area.

### **Preliminary Environmental Constraints Study, Point Vicente Park/Art Center**

A Preliminary Environmental Constraints Analysis was performed by Jones & Stokes in May 2004 for potential development opportunities at Point Vicente Park (the Park) in Rancho Palos Verdes. The main focus of the study was to highlight potential limitations associated with development of the Palos Verdes Art Center on the former Nike Missile complex site at the Park. The study also addressed other areas of the site that may have been affected by historic uses, including those from historical military operations. Only the conclusions and recommendations associated with the former Nike Missile Facility are summarized below.

Based on the site investigations and literature review, additional research and surveys may be required prior to on-site development to adequately evaluate impacts associated with biological resources, cultural resources and hazardous materials. The following conclusions and recommendations were provided by Jones & Stokes.

- Biological resources were not noted in the disturbed areas within the City Hall or City Corporate Yard complexes; therefore, direct impacts to biological species are not anticipated. However, sensitive habitats are located in proximity to the existing Nike Missile Facility along the slopes and sensitive species could potentially be indirectly impacted by construction on site. A consistency analysis should also be conducted with respect to the Subarea Plan.
- Based on the results of the record search, it is recommended that additional studies be conducted for archeological resources. A Phase I archeological (Phase I) inventory of the project area should be conducted by a qualified archaeologist who meets the Secretary of Interior's Standards for archeology. The Phase I report should include an updated record search and review of local historical registers, field survey, prehistoric and historical contexts

for the project area, record consultation with the Native American Heritage Commission and local Native Americans, and a summary of the methods and results of the study.

- Based on the results of any future Phase I inventory, additional work may be required for archeological resources.
- The records search identified the Long Point Defense District, a potential historic district, which may be eligible for listing in the National Register of Historic Places under Criterion A for its association with military defense in the Los Angeles Harbor and metropolitan area during both World War II and the Cold War. The major elements of the district include a group of Base End Stations, Bunker #240, a Nike Air Defense Launcher Area (missile silos), and Los Angeles Air Defense Site LA-55-L.
- Based on the results of the records search, it is recommended that additional studies be conducted for the built environment (existing on-site structures and buildings). Because the Long Point Defense District has potential for historical significance under CEQA, it is recommended that a formal evaluation be conducted of the district's eligibility for listing in the California Register of Historical Resources.

## **2.4 SITE CHARACTERISTICS**

A current United States Geological Survey (USGS) 7.5-minute topographic map showing the area where the property is located was obtained and reviewed as specified in ASTM Standard E 1527-00 § 7.2.3. The 1981 USGS "Redondo Beach, California" quadrangle map was reviewed. According to the contour lines on the topographic map, the elevation of the property ranges from approximately 300 to 360 feet above mean sea level. The topography in the site area is variable but has a general downgradient slope to the southwest. Water bodies are not evident on or adjacent to the property. The Pacific Ocean is depicted approximately 1,000 feet to the south of the property. The property appears on the map as developed with the Cable, Generator, and Maintenance Buildings.

The site-specific stratigraphy was evaluated from the soil samples collected from the 24 borings. The site is underlain by brown, light brown, dark brown, light orange, gray, and yellowish brown clayey silt, silt, sandy silt, and gravely sand to the maximum depth investigated of 20 feet bgs. Groundwater was not detected during the drilling activities.

## **2.5 PURPOSE AND SCOPE**

The purpose of the SI was to develop information regarding the presence of hazardous substances or petroleum products at the property with regard to the Former Nike Missile Facility and historical agricultural usage of the property. This SI will also assess presence of suspect ACM, lead based paint and mold in the underground concrete vaults and associated control rooms.

PSI relied upon the previously discussed background information to develop the scope of work for this investigation. The general scope of the Site Investigation consisted of a geophysical survey, a subsurface soil assessment, characterization of the contents within the on-site hydraulic oil tank/reservoirs, and assessment for the presence of ACM, lead-based paint, and fungal/mold contamination. The assessment was completed in general accordance with the authorized scope of work.

A Traffic Impact Analysis will be conducted at a later date to assess weekday AM and PM peak hour potential traffic impacts at required study intersections. The results of the Traffic Impact Analysis will be submitted under separate cover.

### 3 ASSESSMENT ACTIVITIES

Field investigation and sampling activities were conducted on July 8, 2005 and July 29, 2005 under the supervision of Ms. Christine Prado, Environmental Professional for PSI, and on July 12, 25, and 29, 2005 and August 18, 2005 under the supervision of Mr. Eric Fraske, Project Engineer for PSI.

#### 3.1 GEOPHYSICAL SURVEY

Prior to performing subsurface drilling activities, Subsurface Surveys & Associates, Inc. (Subsurface Surveys) of Solana Beach, California completed a geophysical survey within the project area on July 8, 2005. The survey was conducted in the following areas: the property immediately adjacent to the former concrete launch pad (10-foot diameter area within the perimeter fence); Cable Building; Maintenance Building; and the access road connecting the cable and Maintenance Buildings to the launch pad. Due to a locked gate at the time of the survey, the area of the Generator Building was not accessed. However, bore holes placed to the north and east of this area were cleared by Subsurface Surveys. Please refer to Figure 2 for the layout of the project site and Appendix A for the Geophysical Report.

The objective of the survey was to screen the project area for geophysical anomalies that could indicate the presence of buried structures which could pose a potential environmental impact to the site (explosive ordnances, USTs, piping, utilities, etc.). The survey did not include the areas covered by the footprint of existing above ground obstructions (i.e., buildings, vehicles). Subsurface Surveys used a combination of Ground Penetrating Radar (GPR), Magnetic Gradiometer, Electromagnetic Induction (EM), and line tracer instrumentation. EM equipment was used to locate and delineate metallic objects and utilities over the survey area. GPR equipment was used to locate both metallic and non-metallic lines and utilities. Radar penetration was achieved to a depth of approximately 4 to 4.5 feet bgs.

Two notable anomalies (Anomaly 1 and 2) were identified by the geophysical survey (refer to Appendix A), which were to north of the Maintenance Building (former fueling building). These anomalies were highly suggestive of USTs. The two anomalies are located adjacent to one another. The depths to these anomalies could not be determined. Anomaly 1, located on the west side, was approximately twice the size of Anomaly 2 (located to the east). Anomaly 1 is suggestive of one large UST. However, it is possible that it is actually two smaller adjacent USTs. Three suspect vent lines were identified (two originating from Anomaly 1 and one originating from Anomaly 2), which connected to three suspect aboveground vent pipes located approximately 10 feet north of the Maintenance Building. A suspect product piping line was identified which originated from Anomaly 1 and terminated in the concrete missile launch pad. Based on findings of the geophysical survey and the historical information provided to PSI regarding operations at the Former Nike Missile Facility, PSI believes Anomalies 1 and 2 represent three petroleum USTs that have been abandoned in place.

In addition to the two notable anomalies discussed above, two additional anomalies (Anomaly 3 and 4) were identified by Subsurface Surveys around the perimeter of the concrete launch pad. Anomaly 3 was located approximately 10 feet east of the entry gate into the launch pad area, approximately five feet south of the fence. This anomaly appeared to be a single piece of debris. Anomaly 4 was located on the south perimeter of the launch pad, approximately 5 feet from the concrete edge. This anomaly was suspected to be an electrical utility vault.

## **3.2 SOIL ASSESSMENT**

In addition to the geophysical survey conducted by Subsurface Surveys, Underground Service Alert (USA), a utility locating service, was contacted prior to the commencement of assessment activities to locate all utilities on or adjacent to the project area. Between July 12 and 29, 2005, a shallow soil assessment was conducted of the Former Nike Missile Facility.

### **3.2.1 INTERIOR SHALLOW SOIL ASSESSMENT WITHIN ONSITE STRUCTURES**

PSI implemented soil sampling activities within the two Nike Missile silos (herein referred to as Southwest and Northeast Silos) on July 29, 2005. The interior soil assessment included advancement of a total of eight (8) shallow soil borings (IB-1 through IB-6) using a drive sampler. Borings IB-1 through IB-3 were drilled within the Southwest Silo in the following locations: within the hydraulic lift elevator concrete pit (IB-1 and IB-2); adjacent to the south of the hydraulic oil reservoir (IB-3); and along the piping associated with the hydraulic lift (IB-4). Borings IB-5 through IB-8 were drilled within the Northeast Silo in the following locations: within the hydraulic lift elevator concrete pit (IB-5 and IB-6); adjacent to the south of the hydraulic oil reservoir (IB-7); and along the piping associated with the hydraulic lift (IB-8). Locations of the soil borings are shown on Figure 3.

Prior to drilling, a concrete coring machine was used to access the subsurface soils. The drive sampler was operated by Mr. Eric Fraske of PSI. The borings were drilled to a maximum depth of approximately 2 feet bgs, due to refusal. Soil samples were collected at 1- and 2-feet bgs. Soil samples were screened in the field using a photo-ionization detector (PID).

The soil samples were obtained with direct push technology using a down-hole sampler composed of brass sleeves with 1.0-inch diameter acetate liners or tubes. The sample is attached to the drive rod and advanced between 18 and 24 inches (depending upon the length of the sampling tube) into undisturbed soil below the pipe with a slide hammer. Each tube was sealed with Teflon-lined plastic caps, labeled, and placed in an ice chest for transport to Centrum Analytical Laboratories, Inc., a California-certified laboratory, located in Riverside, California with chain-of-custody documentation. The sampling equipment was decontaminated between each sample and the drilling equipment was decontaminated between each boring following the general procedures outlined and summarized in Appendix B. The borings were backfilled using soil cuttings and the surface was repaired. Investigation derived waste was not generated during the drilling process.

Additionally, a representative sample was placed in a sealable plastic bag for a period of time for eventual screening by a field photo-ionization detector (PID). A portion of the sample was retained for visual description using the Unified Soil Classification System (USCS). The field observations were entered onto boring logs, which are provided in Appendix C.

The soil samples collected from borings IB-1 through IB-6 were analyzed for the following:

- TPH fuel screen using EPA method 8015m; and
- PCBs by EPA method 8082.

The soil samples collected from borings IB-1 and IB-6 were also analyzed for the following:

- SVOCs using EPA method 8270.

In addition, the soil samples collected from borings IB-2 through and IB-5 were analyzed for the following:

- BTEX by EPA method 8021B.

Based on field observations, only the soil samples collected at 1-foot bgs were submitted to the laboratory for analysis.

### **3.2.2 EXTERIOR SHALLOW SOIL ASSESSMENT**

PSI implemented exterior soil sampling activities on July 12 and 25, 2005 in the area of three former Nike Missile Facility buildings (the current Cable, Maintenance, and Generator Buildings), the perimeter of the concrete launch pad, and the access road connecting the cable and Maintenance Buildings to the launch pad. The assessment also focused on the suspect USTs and product line identified from the geophysical survey. The exterior soil assessment included advancement of a total of 18 borings (SB-1 through SB-18) using direct push, hollow-stem auger, and drive sampling equipment to a depth of approximately 15- to 20-foot bgs, where possible. Please refer to Section 4.1 for results of the sampling.

Boring SB-1 was drilled approximately 2 feet east of Anomaly 2. Boring SB-2 was drilled approximately 2 feet west of Anomaly 1. Boring SB-3 was drilled approximately 10 feet west of Anomaly 4. Borings SB-4 through SB-8 were drilled near the perimeter of the concrete launch pad. Boring SB-9 was drilled approximately 5 feet south of Anomaly 3. Boring SB-10 was drilled on the grassy area approximately 10 feet north of the concrete launch pad. Boring SB-11 was drilled on the access road connecting the Maintenance Building to the concrete launch pad, approximately 2 feet west of the suspect product piping line. Boring SB-12 was drilled northwest of the Maintenance Building, approximately 2 feet south of the suspect product piping line. Boring SB-13 was drilled approximately 5 feet south of the Cable Building. Boring SB-14 was drilled in the grassy area approximately 10 feet south of the access road connecting the Cable Building to the concrete launch pad. Borings SB-15 and SB-18 were drilled on the access road north of the Cable Building. Boring SB-16 was drilled approximately 20 feet north of the suspect UST aboveground vent pipes. Boring SB-17 was drilled approximately 5 feet west of the Generator Building, in the transformer area. Each of the borings were drilled to a maximum depth of 20 feet bgs, except for boring SB-17, which was terminated at 2-foot bgs due to refusal. Locations of the soil borings are shown on Figure 2.

Borings SB-3, -9, -10, -13, and -16 were drilled on July 12, 2005 by direct push technology. The direct push drill rig was operated by Vironex Corporation located in Santa Ana, California. The borings were drilled to a depth of approximately 15 feet bgs. Soil samples were collected near the surface (0 to 6-inches) and at 5-foot intervals to the maximum depth investigated. The soil samples were obtained with direct push technology using a down-hole sampler composed of stainless steel sleeves with 1.0-inch diameter acetate liners or tubes. The sample was attached to the drive rod and advanced between 18 and 24 inches (depending upon the length of the sampling tube) into undisturbed soil below the lead pipe with a hydraulic percussion hammer.

Borings SB-1, -2, -4 through -8, -11, -12, -14, -15, and -18 were drilled on July 25, 2005 by hollow-stem auger technology. The hollow-stem auger drill rig was operated by Cascade Drilling located in Norwalk, California. Borings SB-1 and SB-2 were drilled to a maximum depth of approximately 20-foot bgs. The remaining borings were drilled to a maximum depth of

approximately 15-feet bgs, except for Boring SB-8 which was drilled to a maximum depth of approximately 10-feet bgs, due to refusal. Soil samples were collected near the surface (0 to 6-inches) and at 5-foot intervals to the maximum depth investigated. The soil samples were collected using a 2.0- to 2.5-inch inside-diameter, modified California split- spoon sampler. The sampler is lined with two to three 6-inch long, 2.0- to 2.5-inch diameter stainless steel or brass tubes for containment of the soil samples. At the prescribed sampling interval of 5 feet, the sampler is attached to the drive rod and driven 18 inches into undisturbed soil below the lead auger with a 140-pound hammer that is repeatedly dropped from a 30-inch height. The number of drops is recorded during each 6-inch increment and used as a qualitative determination of soil consistency and density. The lead, or deepest, brass tube is recovered from the sampler, sealed by taping Teflon sheets and plastic end caps on both ends, labeled, placed in a plastic sealable bag.

Boring SB-17 was drilled using a drive sampler operated by Mr. Eric Fraske of PSI. The boring was drilled to a maximum depth of approximately 2 feet bgs, due to refusal. Soil samples were collected at 1- and 2-feet bgs. The soil samples were obtained with direct push technology using a down-hole sampler composed of brass sleeves with 1.0-inch diameter acetate liners or tubes. The sample is attached to the drive rod and advanced between 18 and 24 inches (depending upon the length of the sampling tube) into undisturbed soil below the pipe with a slide hammer.

Each tube was sealed with Teflon-lined plastic caps, labeled, and placed in an ice chest for transport to Centrum Analytical Laboratories, Inc., a California-certified laboratory, located in Riverside, California with chain-of-custody documentation. The sampling equipment was decontaminated between each sample and the drilling equipment was decontaminated between each boring following the general procedures outlined and summarized in Appendix B. The borings were backfilled using soil cuttings and bentonite chips. The surface repaired with asphalt or concrete patch, as appropriate. Investigation derived waste was not generated during the drilling process.

Additionally, a representative sample was placed in a sealable plastic bag for a period of time for eventual screening by a PID. A portion of the sample was retained for visual description using the USCS. The field observations were entered onto boring logs, which are provided in Appendix C.

Based on the results of the field screening, up to two (2) samples per boring were selected and analyzed for the following:

- TPH fuel screen using EPA method 8015m;
- VOCs using EPA method 8260;
- pH using EPA method 9040;
- Perchlorate using EPA Method 314; and
- Nitrogen using EPA method 354.1.

A total of sixteen (13) soil samples (SB-1-15', SB-3-1', SB-5-10', SB-7-5', SB-8-5', SB-8-10', SB-9-1', SB-10-5', SB-11-5', SB-12-5', SB-14-1', SB-15-1', and SB-16-5') were selected and analyzed for the following:

- State of California Title 22 metals by EPA Method 3050/6010.

A total of seventeen (17) soil samples (SB-1-5', SB-1-20', SB-2-5', SB-3-5', SB-4-15', SB-5-5', SB-6-10', SB-8-10', SB-7-5', SB-8-5', SB-9-5', SB-10-5', SB-11-5', SB-12-5', SB-14-10', SB-16-5', SB-18-5', and SB-18-15') were selected and analyzed for the following:

- SVOCs using EPA method 8270.

The seventeen (17) surface samples (collected from borings SB-1 through SB-17) and the sample collected at SB-1 at 15-foot bgs were analyzed for the following:

- Chlorinated pesticides and herbicides by EPA Methods 8081 and 8151.

The remaining soil samples collected were stored at the analytical laboratory for future consideration. The soil analytical results are summarized Tables 1 through 4 and the report of laboratory analysis is attached in Appendix D.

### **3.3 CHARACTERIZATION OF HYDRAULIC OIL TANK/RESERVOIR CONTENTS**

On August 18, 2005, one (1) liquid sample of the contents within the hydraulic oil tank/reservoir in the Northeast Silo was collected. The liquid sample was analyzed for TPH fuel screen by EPA Method 8015M, PCBs by EPA Method 8082 and SVOCs by EPA Method 8270. The hydraulic oil tank/reservoir in the Southwest Silo was empty, therefore no sample was obtained from this location. Please refer to Section 4.2 for results of the sampling.

### **3.4 INDUSTRIAL HYGIENE SURVEYS**

On July 21, 2005, the interior of the two Nike Missile Silos were surveyed for the presence of suspect ACM, lead-based paint, and fungal/mold contamination. The surveys were conducted by Ms. Christine Prado of PSI. Please refer to Section 4.3 for results of these surveys.

#### **3.4.1 LIMITED ASBESTOS SURVEY**

PSI performed a limited asbestos survey in accordance with the authorized scope of work. The scope of the assessment included a visual inspection, evaluation of material friability and overall condition, and bulk sampling and analysis to identify asbestos-containing materials (ACM). Asbestos-containing material (ACM) is defined by the State of California as any material that has greater than 1% asbestos by volume. The asbestos assessment performed in connection with this SI was of a limited nature and was not intended to comply with the strict requirements of OSHA or the EPA. Only the interior of the former Nike Missile silos were included in the limited asbestos survey.

The limited asbestos survey was conducted by Ms. Christine Prado of PSI on July 21, 2005. A visual inspection was conducted of the assessment area to determine representative suspect materials and homogeneous areas which were visually similar in color, texture, general appearance, and that appeared to have been installed at the same time. Only materials that were accessible and/or exposed were inspected. The inspector also evaluated the overall condition of the material and determined whether the materials were friable or non-friable by touching the material, where practicable.

A total of six (6) bulk samples were collected. Sampling was limited to those accessible materials not involving destruction of walls, other building elements, physical barriers, or the structural integrity of the item being tested. Sampling locations were chosen to be representative of homogeneous areas. Samples of materials were taken as randomly as possible while attempting to sample already damaged areas so as to minimize disturbance of

the materials. Restoration of sampled surfaces was not within the scope of work. The bulk samples were submitted to PSI's Laboratory located in Pittsburgh, Pennsylvania (National Voluntary Laboratory Accreditation Program Laboratory Code No. 101350-0) for analysis by polarized light microscopy (PLM). The test results are summarized Table 6 and the report of laboratory analysis is attached in Appendix E.

Quantities of accessible and exposed materials were estimated by taking approximate measurements in the field or by using as-built mechanical or structural drawings. Materials such as fireproofing, plasters, ceiling and floor tiles, and transite-type panels were measured in square feet of surface area.

### **3.4.2 LIMITED LEAD-BASED PAINT SURVEY**

The U.S. Department of Housing And Urban Development (HUD) issued *Guidelines For the Evaluation and Control of Lead-Based Paint Hazards in Housing* pursuant to Title X of the Housing and Community Development Act of 1992. These guidelines describe technical protocols, practices and methods along with abatement practices. The guidelines are not enforceable by law unless incorporated into a Federal, state, or local statute. The limited lead-based paint survey performed in connection with this SI does not conform to the guideline's strict requirements.

The HUD guideline action level for lead in paint is 0.5% lead by weight or 1 mg/cm<sup>2</sup> (milligram per square centimeter) lead content.

The limited lead-based paint survey was performed on July 21, 2005 by Ms. Christine Prado of PSI, in accordance with the authorized scope of work. A total of 18 paint chip samples were collected for laboratory testing from interior painted surfaces (components). The paint-chip samples (approx. 2" X 2" sq.) were preferentially collected from damaged areas or surfaces with minimal visual impact where practicable. Restoration of sampled surfaces was not within the scope of work. The samples were submitted to PSI's Laboratory located in Pittsburgh, Pennsylvania for analysis by atomic spectroscopic test methods.

### **3.4.3 MOLD SURVEY**

The mold survey was performed on July 21, 2005 by Ms. Christine Prado of PSI, in accordance with the authorized scope of work. PSI performed a preliminary walkthrough of the Nike Missile Silos, offices and common hallways. PSI documented areas where moisture has visibly impacted building materials. A total of four (4) mold samples were collected for laboratory testing from interior surfaces. Surface samples were collected from representative suspect mold growth areas using clear adhesive tape that was applied to the sample area and field mounted onto pre-cleaned 25 x 75 millimeter microscope slides.

The surface samples were submitted for analysis under a chain of custody documentation to PSI's Microbiology Laboratory located in Pittsburgh, Pennsylvania. Surface samples were reported by species, type of fungal structures observed and the general amount of each genus per sample.

## 4 DATA ANALYSIS & INTERPRETATION

The results of the field investigation and laboratory analyses are presented in the following section. Where appropriate, the results are compared with regulatory limits for the chemicals and compounds identified in the applicable media.

### 4.1 SOIL ASSESSMENT RESULTS

Soil samples were collected at a total of 24 boring locations (borings IB-1 through IB-6, and SB-1 through SB-18) at depths of 1-foot bgs in borings IB-1 through IB-6, at 1- and 2-foot bgs in boring SB17, and at 1-, 5-, 10-, 15-, and 20-foot bgs in borings SB-1 through SB-16 and SB-18. The soil samples were transported to Centrum Analytical Laboratories, Inc., a California-certified laboratory, located in Riverside, California with chain-of-custody documentation.

Analysis of soil samples yielded the following results:

- The site is underlain by brown, light brown, dark brown, light orange, gray, and yellowish brown clayey silt, silt, sandy silt, and gravely sand to the maximum depth investigated of 20 feet bgs. Groundwater was not detected during the drilling activities.
- PCBs were not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 1.
- TPH were not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 1.
- BTEX was detected in the soil sample collected from boring SB-8 at 10-feet bgs at concentrations of 0.001, 0.006, 0.003, and 0.007 mg/kg, respectively. Boring SB-8 is located near the perimeter of the concrete launch pad. No other VOCs were identified in the soil samples analyzed. The BTEX concentrations exhibited are below the EPA PRGs for residential soil. The soil analytical results are presented in Tables 1 through 4. Please refer to Tables 1 and 2.
- Phenol was detected in the soil sample collected from SB-16 at 5-feet bgs at a concentration of 0.14 mg/kg. The phenol concentration exhibited is below the PRG for phenol in residential soil. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 2.
- Values of pH in the soil samples analyzed ranged from 7.1 (in the soil sample collected from boring SB-5 at 10-feet bgs) to 9.5 (in the soil sample collected from boring SB-7 at 10-feet bgs). The pH values exhibited are relatively neutral, therefore not indicative of hazardous waste. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Perchlorate was not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.

- Nitrogen (nitrate and nitrite) was identified in the soil samples collected from borings SB-2, through SB-6, SB-8 through SB-11, and SB-18 at concentrations ranging from 0.52 mg/kg (in the soil sample collected from boring SB-11 at 5-feet bgs) to 32 mg/kg (in the soil sample collected from boring SB-4 at 15-feet bgs). The EPA has not established a PRG for nitrate and nitrite. Borings SB-6 and SB-8 are located near the perimeter of the concrete launch pad. Boring SB-11 is located on the access road connecting the Maintenance Building to the concrete launch pad, approximately 2 feet west of the suspect product piping line. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Pesticides/herbicides were detected in the soil samples collected from boring SB-10, SB-11, and SB-14 at 1-foot bgs and in the soil sample collected from boring SB-17 at 2-feet bgs (chlordane, DDT, and dieldrin). The concentrations exhibited are below their respective PRGs for residential soil, except for a concentration of dieldrin (0.067 mg/kg) identified in the soil sample collected from SB-14 at 1-foot bgs, which exceeds the PRG for dieldrin in residential soil of 0.03 mg/kg. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Concentrations of metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium, and zinc) were detected in the soil samples analyzed at various concentrations that do not exceed their respective State of California TLCs and ten times their respective State of California STLCs, except for the following metals which exceeded their STLCs: barium concentrations identified in borings SB-3, SB-8, and SB-16 (ranging from 1,100 mg/kg to 1,800 mg/kg); a cadmium concentration identified in boring SB-9 at 15 mg/kg; and chromium concentrations identified in borings SB-5 (59 mg/kg) and SB-9 (110 mg/kg). The ten times STLC values for barium, cadmium, and chromium are 1,000, 10, and 50 mg/kg, respectively. Boring SB-3 is located approximately 10 feet west of Anomaly 4. Borings SB-5 and SB-8 are located near the perimeter of the concrete launch pad. Boring SB-9 was drilled approximately 5 feet south of Anomaly 3. Boring SB-10 was drilled on the grassy area approximately 10 feet north of the concrete launch pad. Boring SB-16 is located approximately 20 feet north of the suspect UST aboveground vent pipes. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 4.
- For quality assurance / quality control (QA/QC) purposes, duplicate analysis for EPA Method 8260 (VOCs) was conducted on the following samples: SB-4-15', SB-7-15', SB-8-5', and SB-11-15'. VOCs were not identified above laboratory reporting limits in any of these samples. Please refer to Table 2.

#### **4.2 CHARACTERIZATION OF HYDRAULIC OIL TANK/RESERVOIR CONTENTS RESULTS**

One (1) liquid sample of the contents within the hydraulic oil tank/reservoir in the Northeast Silo was collected. The liquid sample was transported to Centrum Analytical Laboratories, Inc., a California-certified laboratory, located in Riverside, California with chain-of-custody documentation.

Analysis of liquid sample yielded the following results:

- A concentration of 180,000 mg/kg of extractable hydrocarbons was detected in the liquid sample. The extractable hydrocarbons have a carbon chain range of C30 through C44, which cannot be classified as gasoline or diesel. These carbon chains may be representative of degraded oils or waste oil.
- PCBs were not detected above laboratory reporting limits in the liquid sample analyzed.
- Concentrations of tentatively identified compounds (TICs) were identified in the liquid sample analyzed (an estimated concentration of 68,000 mg/kg of 2-{2-(2-methoxyethoxy)ethoxy}ethanol isomer and an estimated concentration of 2-(2-hydroxypropoxy)-1-propanol isomers). These TICs were identified from the SVOCs analysis (EPA method 8270). The equipment used in this method is not calibrated for these compounds, therefore the concentrations identified are estimations only. 2-{2-(2-methoxyethoxy)ethoxy}ethanol and 2-(2-hydroxypropoxy)-1-propanol are glycols that can be found in cleaning solutions and certain detergents and soaps. The liquid sample analytical results are presented in Table 5.

### **4.3 INDUSTRIAL SURVEY RESULTS**

Results of the Industrial Survey are discussed in the following sections.

#### **4.3.1 LIMITED ASBESTOS SURVEY**

ACM was identified in the acoustical wall tile within the control room in the Northeast Silo (identified as containing 15 % chrysotile by volume). The State of California considers a material to be asbestos-containing if at least one sample of the material contains greater than 1% asbestos by volume. Approximately 240 square feet of this material was observed. PSI did not gain access into the control room in the Southwest Silo.

The ACM analytical results are summarized in Table 6. The laboratory results and chain-of-custody documentation are presented in Appendix E.

#### **4.3.2 LIMITED LEAD-BASED PAINT SURVEY**

The lead-based paint sampling results identified lead in paint at levels exceeding the HUD action level of 0.5% lead by weight in the following components:

- Gray paint located on the lower portions of the stairwell walls in the Southwest Silo. The total estimated area of this component is 60 square feet.
- Safety yellow paint located on the doors and stairwell walls in both silos. The total estimated area of this component is 60 square feet.
- Black paint located on the entry door to the Southwest Silo. The total estimated area of this component is 30 square feet.
- Red paint located on the interior trim in the Southwest Silo. The total estimated area of this component is 30 square feet.
- Gray paint located on the elevator pit in the Northeast Silo. The total estimated area of this component is 1,000 square feet.

- Dark green paint located on the piping in the Northeast Silo. The total estimated area of this component is 100 linear feet.

The lead-based paint analytical results are summarized in Table 7. The laboratory results and chain-of-custody documentation are presented in Appendix F.

#### **4.3.3 MOLD SURVEY**

PSI identified signs of limited mold growth in both missile silos. Representative site observations for each of these general findings are provided below.

Suspect mold growth was identified on the west concrete wall of the Southwest Silo. A tape lift was sampled of the suspect mold (sample M1) and laboratory analysis confirmed the presence of hyphal fragments, *Penicillium / Aspergillus* and *Cladosporium* mold species.

Suspect mold growth was identified on the south concrete wall of the main missile storage area of the Southwest. A tape lift was sampled of the suspect mold (sample M2) and laboratory analysis confirmed the presence of hyphal fragments, *Beauvaria* and *Cladosporium* mold species.

Suspect mold growth was identified on the concrete wall located on the northwest corner of the main missile storage area of the Southwest Silo. A tape lift was sampled of the suspect mold (sample M3) and laboratory analysis did not confirm the presence of mold.

Suspect mold growth was identified on the east concrete wall of the Northeast Silo. A tape lift was sampled of the suspect mold (sample M4) and laboratory analysis confirmed the presence of hyphal fragments, *Penicillium / Aspergillus* and *Cladosporium* mold species.

The laboratory results and chain-of-custody documentation are presented in Appendix G.

## 5 CONCLUSIONS AND RECOMMENDATIONS

PSI has performed a Site Investigation in general conformance with the scope and limitations of the ASTM Standard E 1903-97 guide and PSI Proposal No. 559-5G0047 for the Former Nike Missile Facility in Rancho Palos Verdes, California. Any exceptions to or deletions from the work scope are discussed earlier in this report. Based on an evaluation of the findings of this assessment, the following conclusions and recommendations have been developed.

### 5.1 CONCLUSIONS

The following conclusions are based on the field observations and analytical data collected during this investigation:

- Two notable anomalies (Anomaly 1 and 2) were identified by the geophysical survey (refer to Figure 2 and Appendix A), which were located to north of the Maintenance Building (former fueling building). These anomalies were highly suggestive of USTs. Anomaly 1 is suggestive of one large UST. However, it is possible that it is actually two smaller adjacent USTs. Three suspect vent lines were identified (two originating from Anomaly 1 and one originating from Anomaly 2), which connected to three suspect aboveground vent pipes located approximately 10 feet north of the Maintenance Building. A suspect product piping line was identified which originated from Anomaly 1 and terminated in the concrete missile launch pad. Based on findings of the geophysical survey and the historical information provided to PSI regarding operations at the Former Nike Missile Facility, PSI believes Anomalies 1 and 2 represent three petroleum USTs that have been abandoned in place.
- The site is underlain by brown, light brown, dark brown, light orange, gray, and yellowish brown clayey silt, silt, sandy silt, and gravely sand to the maximum depth investigated of 20 feet bgs. Groundwater was not detected during the drilling activities.
- PCBs were not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 1.
- TPH were not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 1.
- BTEX was detected in the soil sample collected from boring SB-8 at 10-feet bgs at concentrations of 0.001, 0.006, 0.003, and 0.007 mg/kg, respectively. No other VOCs were identified in the soil samples analyzed. The BTEX concentrations exhibited are below the PRGs for residential soil. The soil analytical results are presented in Tables 1 through 4. Please refer to Tables 1 and 2.
- Phenol was detected in the soil sample collected from SB-16 at 5-feet bgs at a concentration of 0.14 mg/kg. The phenol concentration exhibited is below the PRG for phenol in residential soil. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 2.

- Values of pH in the soil samples analyzed ranged from 7.1 (in the soil sample collected from boring SB-5 at 10-feet bgs) to 9.5 (in the soil sample collected from boring SB-7 at 10-feet bgs). The pH values exhibited are relatively neutral, therefore not indicative of hazardous waste. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Perchlorate was not detected above laboratory reporting limits in any of soil samples analyzed. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Nitrogen (nitrate and nitrite) was identified in the soil samples collected from borings SB-2, through SB-6, SB-8 through SB-11, and SB-18 at concentrations ranging from 0.52 mg/kg (in the soil sample collected from boring SB-11 at 5-feet bgs) to 32 mg/kg (in the soil sample collected from boring SB-4 at 15-feet bgs). The EPA has not established a PRG for nitrate and nitrite. Nitrogen is a component of an oxidizer used in the Nike Ajax missile as a propellant. TPH, another rocket fuel component, was not identified in these borings. Therefore, the nitrate and nitrite findings may originate from application of pesticides associated with the historical agricultural usage of the property. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Pesticides/herbicides were detected in the soil samples collected from boring SB-10, SB-11, and SB-14 at 1-foot bgs and in the soil sample collected from boring SB-17 at 2-feet bgs (chlordane, DDT, and dieldrin). The concentrations exhibited are below their respective PRGs for residential soil, except for a concentration of dieldrin (0.067 mg/kg) identified in the soil sample collected from SB-14 at 1-foot bgs, which exceeds the PRG for dieldrin in residential soil of 0.03 mg/kg. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 3.
- Concentrations of metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium, and zinc) were detected in the soil samples analyzed at various concentrations that do not exceed their respective State of California TTLCs and ten times their respective State of California STLCs, except for the following metals which exceeded their STLCs: barium concentrations identified in borings SB-3, SB-8, and SB-16 (ranging from 1,100 mg/kg to 1,800 mg/kg); a cadmium concentration identified in boring SB-9 at 15 mg/kg; and chromium concentrations identified in borings SB-5 (59 mg/kg) and SB-9 (110 mg/kg). The ten times STLC values for barium, cadmium, and chromium are 1,000, 10, and 50 mg/kg, respectively. The soil analytical results are presented in Tables 1 through 4. Please refer to Table 4.
- A concentration of 180,000 mg/kg of extractable hydrocarbons was detected in the liquid sample. The extractable hydrocarbons have a carbon chain range of C30 through C44, which cannot be classified as gasoline or diesel. These carbon chains may be representative of degraded oils or waste oil.
- PCBs were not detected above laboratory reporting limits in the liquid sample analyzed.

- Concentrations of tentatively identified compounds (TICs) were identified in the liquid sample analyzed (an estimated concentration of 68,000 mg/kg of 2-{2-(2-methoxyethoxy)ethoxy}ethanol isomer and an estimated concentration of 2-(2-hydroxypropoxy)-1-propanol isomers). These TICs were identified from the SVOCs analysis (EPA method 8270). The equipment used in this method is not calibrated for these compounds, therefore the concentrations identified are estimations only. 2-{2-(2-methoxyethoxy)ethoxy}ethanol and 2-(2-hydroxypropoxy)-1-propanol are glycols that can be found in cleaning solutions and certain detergents and soaps. The liquid sample analytical results are presented in Table 5.
  
- ACM was identified in the acoustical wall tile within the control room in the Northeast Silo (identified as containing 15 % chrysotile by volume). The State of California considers a material to be asbestos-containing if at least one sample of the material contains greater than 1% asbestos by volume. Approximately 240 square feet of this material was observed. The City of Rancho Palos Verdes was not able to provide PSI access into the control room in the Southwest Silo, which is padlocked. Therefore, ACM in the control room in the Southwest Silo was not assessed. However, the building materials in this room and the building materials in the Northeast Silo control room are assumed to be homogenous. Please refer to Table 6.
  
- The HUD guideline action level for lead in paint is 0.5% lead by weight or 1 mg/cm<sup>2</sup> lead content. The lead-based paint sampling results identified lead in paint at levels exceeding the HUD action level in the following components:
  - Gray paint located on the lower portions of the stairwell walls in the Southwest Silo. The total estimated area of this component is 60 square feet.
  - Safety yellow paint located on the doors and stairwell walls in both silos. The total estimated area of this component is 60 square feet.
  - Black paint located on the entry door to the Southwest Silo. The total estimated area of this component is 30 square feet.
  - Red paint located on the interior trim in the Southwest Silo. The total estimated area of this component is 30 square feet.
  - Gray paint located on the elevator pit in the Northeast Silo. The total estimated area of this component is 1,000 square feet.
  - Dark green paint located on the piping in the Northeast Silo. The total estimated area of this component is 100 linear feet.

The lead-based paint analytical results are summarized in Table 7.
  
- Signs of limited mold growth were identified in both missile silos. Representative site observations for each of these general findings are provided below.
  - Hyphal fragments, *Penicillium* / *Aspergillus* and *Cladosporium* mold species were identified on the west concrete wall of the Southwest Silo.
  - Hyphal fragments, *Beauveria* and *Cladosporium* mold species were identified on the south concrete wall of the main missile storage area of the Southwest.

- Hyphal fragments, *Penicillium* / *Aspergillus* and *Cladosporium* mold species were identified on the east concrete wall of the Northeast Silo.

## 5.2 RECOMMENDATIONS

Based on the conclusions presented above, PSI provides the following conclusions:

- A Supplemental SI is recommended to delineate the vertical extent of the dieldrin identified in boring SB-14 and to further assess the barium, cadmium, and chromium concentrations identified in borings SB-3, SB-5, SB-8, SB-9, and SB-16. STLC laboratory analysis for barium, cadmium, and chromium in borings SB-3, SB-5, SB-8, SB-9, and SB-16 is recommended.
- Excavation of the suspect USTs (Anomalies 1 and 2) and related product piping lines identified in the Geophysical Survey is recommended. The USTs should be excavated in accordance with Los Angeles County Department of Public Works (LACDPW) UST closure requirements.
- Based on the close proximity of soil boring SB-9 to Anomaly 3 and the findings of chromium and cadmium at levels exceeding ten times the STLC in this boring, it is recommended that this anomaly is excavated and disposed.
- It is recommended that the contents of the hydraulic oil tank/reservoir in the Northeast Silo are disposed by a licensed waste hauler.
- It is recommended that the mold identified in the missile silos is removed with a mild fungicide such as a 10 % bleach solution. It is also recommended that the source of the moisture in the missile silos resulting in mold growth is identified so that future mold growth is prevented.
- It is recommended that prior to any demolition, remodeling and/or renovation activities, any ACM and lead-based paint at the site that may be affected by the activities be isolated and/or abated by a licensed asbestos contractor.

## **6 WARRANTY**

### **6.1 WARRANTY**

PSI warrants that the findings and conclusions reported herein were conducted in general accordance with ASTM Standard E 1903-97 protocol. These methodologies are described by the standard guide as representing good commercial and customary practice for conducting a Site Investigation of a parcel of property for the purpose of evaluating recognized environmental conditions. However, these findings and conclusions contain all of the limitations inherent in these methodologies which are referred to in the standard guide and some of which are more specifically set forth below.

The Site Investigation has been developed to provide the client with information regarding apparent indications of recognized environmental conditions relating to the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work. The assessment and conclusions presented herein were based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

### **6.2 USE BY THIRD PARTIES**

This report was prepared pursuant to the contract PSI has with the City of Rancho Palos Verdes. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than the City of Rancho Palos Verdes and Palos Verdes Art Center, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with City of Rancho Palos Verdes. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

Third party reliance letters may be issued on request and payment of the, then current fee for such letters. All third parties relying on PSI's reports, by such reliance, agree to be bound by

the proposal and PSI's General Conditions. No reliance by any party is permitted without such agreement, regardless of the content of the reliance letter itself.

## TABLES

**TABLE 1**  
**SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS & PCB**  
**FORMER NIKE MISSILE FACILITY**  
**PSI PROJECT NO. 559-5G024**

SAMPLE LOCATION	SAMPLE TYPE	SAMPLE DEPTH (feet)	PCB	EXTRACTABLE HYDROCARBONS / C4-C40	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
IB-1-1	soil	1	ND	ND	ND	ND	ND	ND
IB-2-1	soil	1	ND	ND	ND	ND	ND	ND
IB-3-1	soil	1	ND	ND	ND	ND	ND	ND
IB-4-1	soil	1	ND	ND	ND	ND	ND	ND
IB-5-1	soil	1	ND	ND	ND	ND	ND	ND
IB-6-1	soil	1	ND	ND	NA	NA	NA	NA
SB-1	soil	5	NA	ND	NA	NA	NA	NA
SB-1	soil	20	NA	ND	NA	NA	NA	NA
SB-2	soil	5	NA	ND	NA	NA	NA	NA
SB-2	soil	20	NA	ND	NA	NA	NA	NA
SB-3	soil	5	NA	ND	NA	NA	NA	NA
SB-3	soil	15	NA	ND	NA	NA	NA	NA
SB-4	soil	5	NA	ND	NA	NA	NA	NA
SB-4	soil	15	NA	ND	NA	NA	NA	NA
SB-5	soil	5	NA	ND	NA	NA	NA	NA
SB-5	soil	15	NA	ND	NA	NA	NA	NA
SB-6	soil	5	NA	ND	NA	NA	NA	NA
SB-8	soil	10	NA	NA	<b>0.001</b>	<b>0.006</b>	<b>0.003</b>	<b>0.007</b>
SB-9	soil	5	NA	ND	NA	NA	NA	NA
SB-9	soil	15	NA	ND	NA	NA	NA	NA
SB-10	soil	5	NA	ND	NA	NA	NA	NA
SB-10	soil	15	NA	ND	NA	NA	NA	NA
SB-11	soil	5	NA	ND	NA	NA	NA	NA
SB-12	soil	5	NA	ND	NA	NA	NA	NA
SB-12	soil	15	NA	ND	NA	NA	NA	NA
SB-13	soil	5	NA	ND	NA	NA	NA	NA
SB-13	soil	15	NA	ND	NA	NA	NA	NA
SB-14	soil	5	NA	ND	NA	NA	NA	NA
SB-15	soil	5	NA	ND	NA	NA	NA	NA
SB-16	soil	5	NA	ND	NA	NA	NA	NA
SB-16	soil	15	NA	ND	NA	NA	NA	NA
SB-17	soil	2	ND	NA	NA	NA	NA	NA
SB-18	soil	15	NA	ND	NA	NA	NA	NA
Preliminary Remedial Goals			0.22	--	0.6	520	8.9	270

Notes:

Analysis performed by Centrum Analytical Laboratories.

All soil analysis results are presented in milligrams per kilogram or parts per million (mg/kg or ppm).

Preliminary Remediation Goals are presented for residential soils.

PCBs = Aroclor-1016, -1221, -1232, -1242, -1248, -1254, -1260

ND = Not detected above laboratory reporting limits.

NA = Not Analyzed

-- = A preliminary remediation goal for this substance is not available.

TABLE 2 (Page 1 of 2)  
SOIL ANALYTICAL RESULTS - VOCs & SVOCs  
FORMER NIKE MISSILE FACILITY  
PSI PROJECT NO. 559-5G024

SAMPLE LOCATION	SAMPLE TYPE	SAMPLE DEPTH (feet)	VINYL CHLORIDE	1,2,4-TRIMETHYL-BENZENE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES, m-, p-	XYLENES, o-	MTBE	PCE	TCE	PHENOL
IB-1-1	soil	1	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND
IB-2-1	soil	1	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND
IB-3-1	soil	1	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND
IB-4-1	soil	1	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND
IB-5-1	soil	1	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND
IB-6-1	soil	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SB-1	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-1	soil	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-2	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-2	soil	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-3	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-3	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-4	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-4	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-4-Duplicate	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-5	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-5	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-6	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-6	soil	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SB-6	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-7	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-7	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-7-Duplicate	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-8	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-8-Duplicate	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-8	soil	10	ND	<b>0.002</b>	<b>0.001</b>	<b>0.006</b>	<b>0.003</b>	<b>0.005</b>	<b>0.002</b>	ND	ND	ND	NA
SB-9	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-9	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-10	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-10	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-11	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-11	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-11-Duplicate	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Preliminary Remedial Goals			0.079	52	0.6	520	8.9	270	270	62	1.5	0.053	37,000

**TABLE 2 (Page 2 of 2)**  
**SOIL ANALYTICAL RESULTS - VOCs and SVOCs**  
**FORMER NIKE MISSILE FACILITY**  
**PSI PROJECT NO. 559-5G024**

SAMPLE LOCATION	SAMPLE TYPE	SAMPLE DEPTH (feet)	VINYL CHLORID	1,2,4-TRIMETHYL-BENZENE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES, m-, p-	XYLENES, o-	MTBE	PCE	TCE	PHENOL
SB-12	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-12	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-13	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-13	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-14	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-14	soil	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SB-14	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-15	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-16	soil	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.14</b>
SB-16	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SB-18	soil	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SB-18	soil	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Preliminary Remedial Goals			0.079	52	0.6	520	8.9	270	270	62	1.5	0.053	37,000

Notes:

Analysis performed by Centrum Analytical Laboratories.

All soil analysis results are presented in milligrams per kilogram or parts per million (mg/kg or ppm).

Preliminary Remediation Goals are presented for residential soils.

ND = Not detected above laboratory reporting limits.

NA = Not Analyzed

MTBE = methyl tertiary butyl ether

PCE = tetrachloroethene

TCE = trichloroethene

TABLE 3 (Page 1 of 2)

SOIL ANALYTICAL RESULTS - pH, CHLORINATED PESTICIDES & HERBICIDES, PERCHLORATE & NITROGEN  
FORMER NIKE MISSILE FACILITY  
PSI PROJECT NO. 559-5G024

SAMPLE LOCATION	SAMPLE TYPE	SAMPLE DEPTH (feet)	pH	PER-CHLORATE	NITRATE-NITRITE (AS N)	TECHNICAL CHLORDANE	DIELDRIN	4,4'-DDT
SB-1	soil	1	8.3	NA	NA	ND	ND	ND
SB-1	soil	5	NA	ND	ND	NA	NA	NA
SB-1	soil	15	9.3	ND	NA	ND	ND	ND
SB-1	soil	20	NA	ND	ND	NA	NA	NA
SB-2	soil	1	7.4	NA	NA	ND	ND	ND
SB-2	soil	5	NA	ND	<b>1.6</b>	NA	NA	NA
SB-2	soil	10	9.2	NA	NA	NA	NA	NA
SB-2	soil	15	NA	ND	NA	NA	NA	NA
SB-2	soil	20	NA	ND	ND	NA	NA	NA
SB-3	soil	1	8.2	NA	NA	ND	ND	ND
SB-3	soil	5	NA	ND	<b>1.4</b>	NA	NA	NA
SB-3	soil	10	8.0	NA	NA	NA	NA	NA
SB-3	soil	15	NA	ND	<b>5.2</b>	NA	NA	NA
SB-4	soil	1	8.3	NA	NA	ND	ND	ND
SB-4	soil	5	NA	ND	ND	NA	NA	NA
SB-4	soil	10	8.2	NA	NA	NA	NA	NA
SB-4	soil	15	NA	ND	<b>32</b>	NA	NA	NA
SB-5	soil	1	8.7	NA	NA	ND	ND	ND
SB-5	soil	5	NA	ND	<b>16</b>	NA	NA	NA
SB-5	soil	10	7.1	NA	NA	NA	NA	NA
SB-5	soil	15	NA	ND	<b>23</b>	NA	NA	NA
SB-6	soil	1	8.0	NA	NA	ND	ND	ND
SB-6	soil	5	NA	ND	ND	NA	NA	NA
SB-6	soil	10	8.2	NA	NA	NA	NA	NA
SB-6	soil	15	NA	ND	<b>3.5</b>	NA	NA	NA
SB-7	soil	1	8.7	NA	NA	ND	ND	ND
SB-7	soil	10	9.5	NA	NA	NA	NA	NA
SB-7	soil	15	NA	ND	ND	NA	NA	NA
SB-8	soil	1	8.7	NA	NA	ND	ND	ND
SB-8	soil	10	9.1	ND	<b>0.54</b>	NA	NA	NA
SB-9	soil	1	8.2	NA	NA	ND	ND	ND
SB-9	soil	5	NA	ND	<b>20</b>	NA	NA	NA
SB-9	soil	10	7.6	NA	NA	NA	NA	NA
SB-9	soil	15	NA	ND	<b>24</b>	NA	NA	NA
SB-10	soil	1	8.0	NA	NA	<b>0.039</b>	<b>0.004</b>	ND
SB-10	soil	5	NA	ND	<b>0.54</b>	NA	NA	NA
SB-10	soil	10	9.4	NA	NA	NA	NA	NA
SB-10	soil	15	NA	ND	<b>4.5</b>	NA	NA	NA
SB-11	soil	1	8.3	NA	NA	ND	<b>0.004</b>	ND
SB-11	soil	5	NA	ND	<b>0.52</b>	NA	NA	NA
SB-11	soil	10	7.6	NA	NA	NA	NA	NA
SB-11	soil	15	NA	ND	<b>1.0</b>	NA	NA	NA
SB-12	soil	1	8.2	NA	NA	ND	ND	ND
SB-12	soil	5	NA	ND	ND	NA	NA	NA
SB-12	soil	10	9.4	NA	NA	NA	NA	NA
SB-12	soil	15	NA	ND	ND	NA	NA	NA
SB-13	soil	1	8.1	NA	NA	ND	ND	ND
SB-13	soil	5	NA	ND	ND	NA	NA	NA
Preliminary Remedial Goals			--	7.8	--	1.6	0.03	1.7

TABLE 3 (Page 2 of 2)

SOIL ANALYTICAL RESULTS - pH, CHLORINATED PESTICIDES & HERBICIDES, PERCHLORATE & NITROGEN  
FORMER NIKE MISSILE FACILITY  
PSI PROJECT NO. 559-5G024

SAMPLE LOCATION	SAMPLE TYPE	SAMPLE DEPTH (feet)	pH	PER-CHLORATE	NITRATE-NITRITE (AS N)	TECHNICAL CHLORDANE	DIELDRIN	4,4'-DDT
SB-13	soil	10	9.4	NA	NA	NA	NA	NA
SB-13	soil	15	NA	ND	ND	NA	NA	NA
SB-14	soil	1	8.1	NA	NA	ND	<b>0.067</b>	<b>0.062</b>
SB-14	soil	5	NA	ND	ND	NA	NA	NA
SB-14	soil	10	9.4	NA	NA	NA	NA	NA
SB-14	soil	15	NA	ND	ND	NA	NA	NA
SB-15	soil	1	8.2	NA	NA	ND	ND	ND
SB-15	soil	5	NA	ND	ND	NA	NA	NA
SB-16	soil	1	8.1	NA	NA	ND	ND	ND
SB-16	soil	5	NA	ND	<b>0.57</b>	NA	NA	NA
SB-16	soil	10	9.0	NA	NA	NA	NA	NA
SB-16	soil	15	NA	ND	ND	NA	NA	NA
SB-17	soil	2	NA	NA	NA	<b>0.17</b>	ND	<b>0.016</b>
SB-18	soil	10	8.6	NA	NA	NA	NA	NA
SB-18	soil	15	NA	ND	<b>6.1</b>	NA	NA	NA
Preliminary Remedial Goals			--	7.8	--	1.6	0.03	1.7

Notes:

Analysis performed by Centrum Analytical Laboratories.

All soil analysis results are presented in milligrams per kilogram or parts per million (mg/kg or ppm).

Preliminary Remediation Goals are presented for residential soils.

ND = Not detected above laboratory reporting limits.

NA = Not Analyzed

-- = A preliminary remediation goal for this substance is not available.

**TABLE 4**  
**SOIL ANALYTICAL RESULTS - TITLE 22 METALS**  
**FORMER NIKE MISSILE FACILITY**  
**PSI PROJECT NO. 559-5G024**

SAMPLE LOCATION	SAMPLE DEPTH (feet)	ARSENIC (mg/kg)	BARIUM (mg/kg)	BERRYLIUM (mg/kg)	CADMIUM (mg/kg)	CHROMIUM (mg/kg)	COBALT (mg/kg)	COPPER (mg/kg)	LEAD (mg/kg)	MERCURY (mg/kg)	NICKEL (mg/kg)	SILVER (mg/kg)	VANADIUM (mg/kg)	ZINC (mg/kg)
SB-1	15	4.5	62	ND	0.75	12	7.5	8.1	1.5	ND	18	ND	34	18
SB-3	1	3.1	1,100	ND	1.2	29	7.7	17	4.9	0.02	2.9	ND	34	37
SB-5	10	1.3	96	ND	0.65	59	7.1	28	2.7	ND	15	ND	50	25
SB-7	5	11	470	0.54	0.63	12	2.4	7.3	3.7	ND	14	ND	37	30
SB-8	5	4.8	1,200	ND	1.6	26	2.0	13	2.0	0.03	21	ND	56	35
SB-8	10	4.2	1,800	0.58	1.8	31	1.8	14	3.1	ND	28	ND	58	35
SB-9	1	4.8	830	ND	15	110	9.3	79	54	0.60	36	9.5	34	200
SB-10	5	1.2	7.4	ND	0.91	28	14	23	4.2	ND	41	ND	22	34
SB-11	5	2.3	26	ND	0.66	31	15	24	3.5	ND	36	ND	26	39
SB-12	5	ND	240	ND	ND	8.8	1.9	1.7	ND	0.07	7.8	ND	10	ND
SB-14	1	3.2	680	ND	1.0	29	7.3	11	8.0	ND	21	ND	39	36
SB-15	1	3.5	70	ND	ND	6.1	5.3	10	4.2	ND	6.2	ND	17	31
SB-16	5	1.3	1,200	ND	ND	8.5	ND	5.4	1.0	0.02	14	ND	16	14
10 X STLC*		50	1,000	7.5	10	50	800	250	50	2	200	50	240	2,500
TTLC		500	10,000	75	100	2,500	8,000	2,500	1,000	20	2,000	500	2,400	5,000

Notes:

Analysis performed by Centrum Analytical Laboratories.

All soil analysis results are presented in milligrams per kilogram or parts per million.

mg/L = milligrams per kilogram

NA = None Available

10 X STLC = Ten times the Soluble Threshold Limit Concentration

TTLC = Total Threshold Limit Concentration

\* = STLC values are presented in mg/L

**TABLE 5**  
**LIQUID SAMPLE ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS, PCBs & and SVOCs**  
**FORMER NIKE MISSILE FACILITY**  
**PSI PROJECT NO. 559-5G024**

SAMPLE LOCATION	SAMPLE TYPE	EXTRACTABLE HYDROCARBONS	2-{2-(2-METHOXYETHOXY)-ETHOXY}ETHANOL ISOMER*	2-(2-HYDROXYPROPOXY)-1-PROPANOL, ISOMERS*
	Liquid	180,000	68,000	70,000

Notes:

Analysis performed by Centrum Analytical Laboratories.

All soil analysis results are presented in milligrams per kilogram or parts per million (mg/kg or ppm).

\* = These compounds are tentatively identified compounds (TICs) for which the laboratory equipment was not calibrated. Therefore these concentrations are estimations.

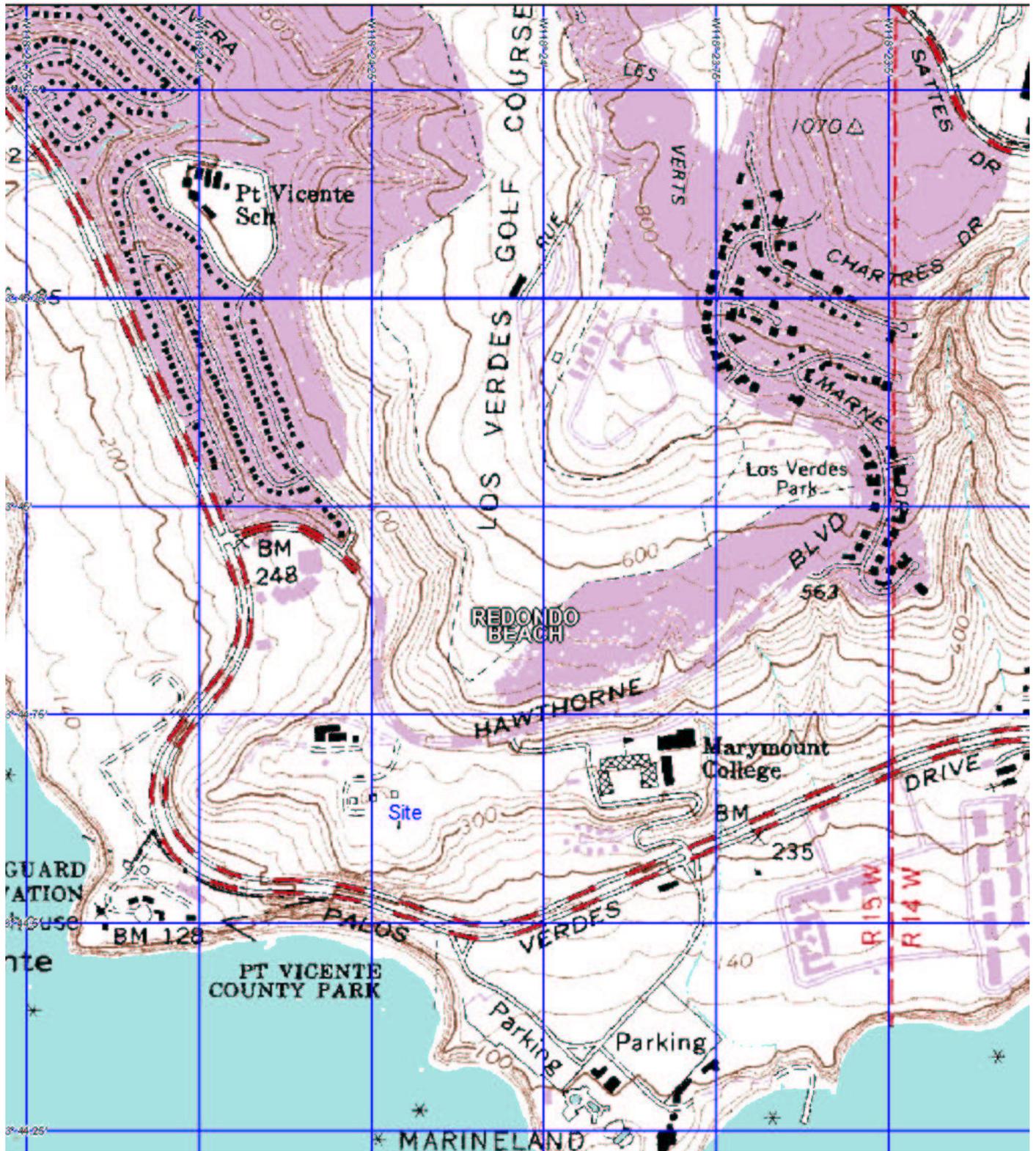
TABLE 6  
 ASBESTOS ANALYTICAL RESULTS  
 FORMER NIKE MISSILE FACILITY  
 PSI PROJECT NO. 559-5G024

SAMPLE ID	MATERIAL DESCRIPTION	EST. QUANTITY	SAMPLE LOCATION	LABORATORY TEST RESULTS		FRIABILITY CONDITION
				%	ASB. TYPE	
Northeast Silo						
ACM1	Acoustical wall tile	240	Control Room, South Wall	15%	<b>Chrysotile</b>	NF/Fair
ACM2	Acoustical wall tile	240	Control Room, South Wall	15%	<b>Chrysotile</b>	NF/Fair
ACM3	Acoustical wall tile	240	Control Room, South Wall	15%	<b>Chrysotile</b>	NF/Fair
ACM4	Acoustical wall padding	*	Control Room, Entry Hallway	-	NAD	F/Poor
ACM5	Acoustical wall padding	*	Control Room, South Wall	-	NAD	F/Poor
ACM6	Acoustical wall padding	*	Control Room, South Wall	-	NAD	F/Poor
Notes: 1. NF = Non-friable 2. F = Friable 3. NAD = No Asbestos Detected 4. SF = Square Feet 5. <b>Bold</b> results indicate finding above the State of California action level of 1% asbestos by volume.						

TABLE 7  
LEAD-BASED PAINT ANALYTICAL RESULTS  
FORMER NIKE MISSILE FACILITY  
PSI PROJECT NO. 559-5G024

SAMPLE ID	MATERIAL DESCRIPTION OR COMPONENT	SAMPLE LOCATION	CONDITION	ESTIMATED AREA	LEAD% BY WEIGHT
<b>Southwest Silo</b>					
LBP1	Gray Paint	Stairwell, East Wall	Poor	60 SF	<b>0.65</b>
LBP2	Off-White Paint	Stairwell, East Wall	Poor	4,400 SF	0.19
LBP3	Safety Yellow Paint	Stairwell, Bottom Step	Poor	30 SF	<b>8.6</b>
LBP4	Black Paint	Entry Door to Silo	Good	30 SF	<b>1.2</b>
LBP5	Red Paint	Silo, East Wall	Good	30 SF	<b>0.73</b>
LBP6	Light Green Paint	Silo, East Wall	Fair	1,500 SF	<0.022
LBP7	Black Paint	Stairwell, Piping	Fair	30 SF, 100 LF	0.44
LBP8	Blue Paint	Electrical Equipment	Good	30 SF	0.35
<b>Northeast Silo</b>					
LBP9	Tan Paint	Control Room, Hallway	Fair	175 SF	0.30
LBP10	Off-White Paint	Stairwell, East Wall	Fair	700 SF	0.28
LBP11	Safety Yellow Paint	Stairwell, Bottom Step	Poor	30 SF	<b>4.9</b>
LBP12	Gray Paint	Stairwell, East Wall	Poor	60 SF	0.38
LBP13	Black Paint	Stairwell, Piping	Good	30 SF, 100 LF	0.42
LBP14	Gray Paint	Pit	Fair	1,000 SF	<b>0.57</b>
LBP15	Dark Green Paint	Piping	Good	100 LF	<b>1.1</b>
LBP16	Blue Paint	Electrical Equipment	Fair	30 SF	0.31
LBP17	Light Green Paint	Silo, East Wall	Fair	1,500 SF	0.022
LBP18	Off-White Paint	Silo, East Wall	Fair	4,400 SF	0.018
Notes: 1. SF = square feet 2. LF = linear feet 3. <b>Bold</b> results indicate finding above the HUD action level of 0.5% lead by weight.					

## FIGURES



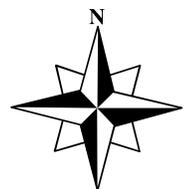
3960 Gilman Street  
 Long Beach, CA 90815  
 562/597-3977  
 Fax 562/597-8459

PROJECT NAME:  
 FORMER NIKE MISSILE FACILITY  
 30940 HAWTHORNE BOULEVARD  
 RANCHO PALOS VERDES,  
 CALIFORNIA 90275  
 PROJECT NO.: 559-5G024

FIGURE 1: SITE LOCATION MAP

Source:  
 Redondo Beach, California Quadrangle  
 7.5' USGS Topographic Map

Scale: 1: 12,800  
 Date: 1981



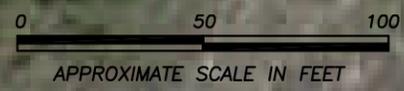


**EXPLANATION**

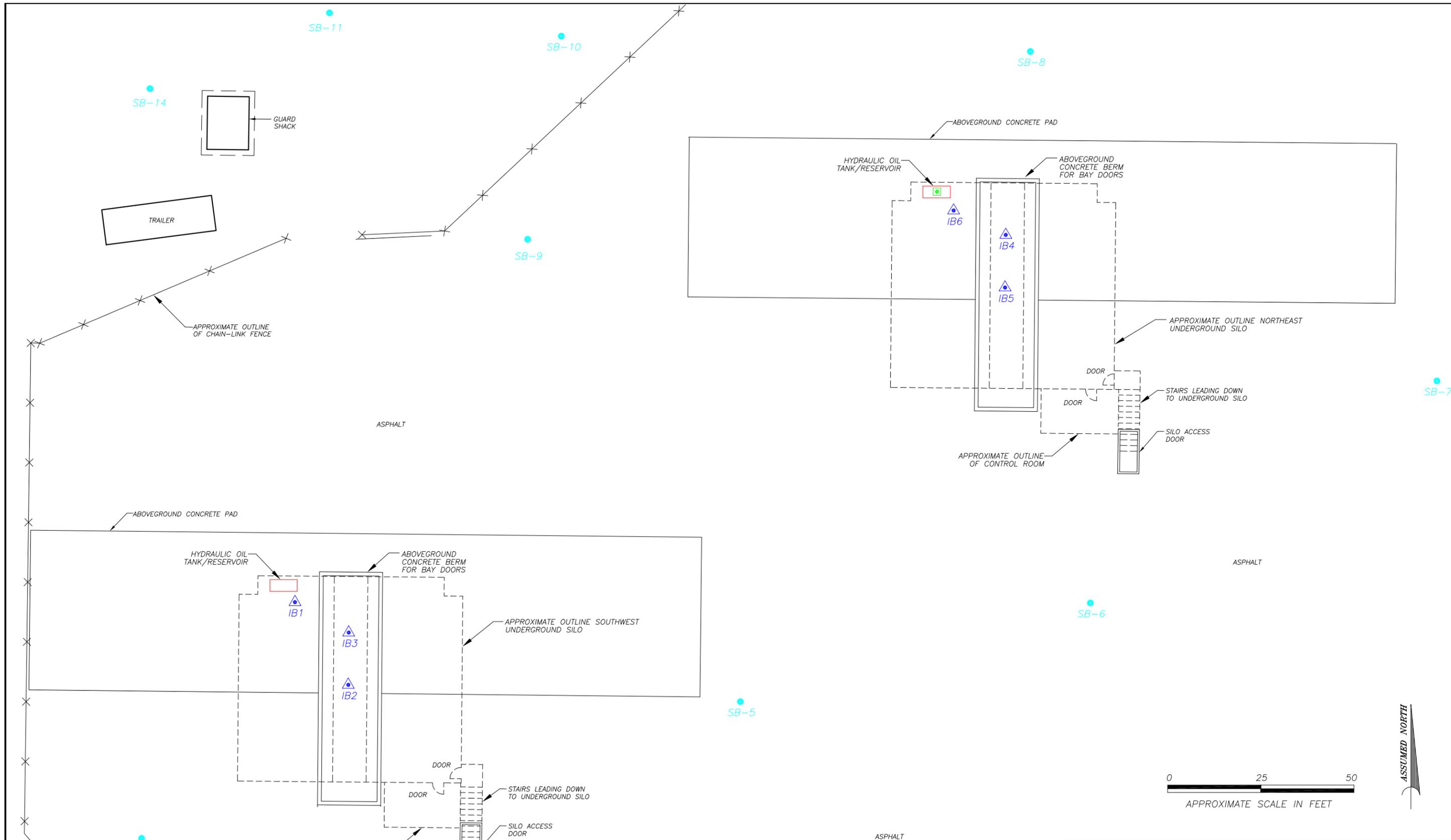
● SB-18 SOIL BORING SAMPLE

NOTE:  
SEE FIGURE 3 FOR INTERIOR  
SILO SOIL BORING LOCATIONS

SOURCE:  
MAP CREATED FROM A SURVEY BY  
PSI PERSONNEL ON 8-12-05

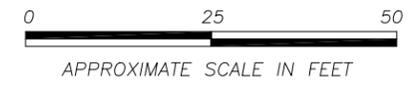


<b>Information To Build On</b> Engineering · Consulting · Testing	<b>ENVIRONMENTAL SERVICES</b> 3960 Gilman Street Long Beach, California 90815 (562) 597-3977			
	DRAWN BY: EFD	DATE: 8/15/05	FILE NO.: 5G024-02	FIGURE NO.: 2
<b>FORMER NIKE MISSILE FACILITY</b> 30940 HAWTHORNE BOULEVARD RANCHO PALOS VERDES, CALIFORNIA		APPROVED BY: V.M.	PROJECT NO.: 559-5G024	
<b>TITLE: SITE MAP WITH SOIL BORING LOCATIONS</b>				



**EXPLANATION**

-  IB-6 INTERIOR SILO SOIL BORING
-  SB-18 SOIL BORING
-  HYDRAULIC FLUID SAMPLE



 <b>Information To Build On</b> Engineering • Consulting • Testing		<b>ENVIRONMENTAL SERVICES</b> 3960 Gilman Street Long Beach, California 90815 (562) 597-3977			
<b>FORMER NIKE MISSILE FACILITY</b> 30940 HAWTHORNE BOULEVARD RANCHO PALOS VERDES, CALIFORNIA		DRAWN BY: EFD	DATE: 8/19/05	FILE NO.: 5G024-02	FIGURE NO.: 3
TITLE: <b>INTERIOR SOIL BORING LOCATIONS</b>		APPROVED BY: V.M.	PROJECT NO.: 559-5G024		

March 25, 2009

Mr. Ron Dragoo, P.E.  
Senior Engineer  
City of Rancho Palos Verdes  
30940 Hawthorne Blvd.  
Rancho Palos Verdes, California 90275

Sent by e-mail

Re: Underground Storage Tank Exploration Letter Report  
Upper Pointe Vicente, 30940 Hawthorne Blvd.  
Rancho Palos Verdes, California 90275  
PSI Project Number: 559-109

Dear Mr. Dragoo:

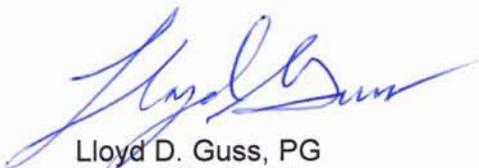
Professional Service Industries, Inc. (PSI) has completed an exploratory investigation of the geophysics anomaly that was suggestive of underground storage tanks (USTs) at the above referenced site.

As part of a Phase II Environmental Site Assessment, a geophysical study performed by SubSurface Surveys revealed an anomaly, which resembled underground storage tanks. As followup, PSI was contracted by the City of Rancho Palos Verdes to determine the existence of USTs in the area of the geophysical anomaly and, if present, determine their size and quantity.

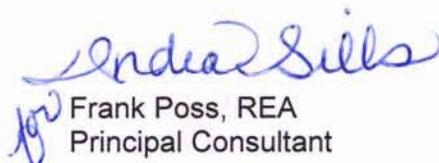
On March 24, 2009, PSI directed exploration activities in the area of the geophysical anomaly. A concrete saw was used to cut a trench across the area of exploration and the asphalt was lifted out with a mini excavator. Subsequent trenching revealed a thick (2-foot) concrete pad-like footing just under the asphalt. Using the mini excavator, the trench on either side of the concrete was excavated until bedrock was encountered at a depth of approximately 2 to 3-feet below ground surface, which exposed the sides of the pad-like footing and revealed bedrock directly beneath the concrete. Based on the findings of this exploratory investigation, PSI concludes that the geophysical anomaly is most likely associated with the thick concrete pad-like footing and USTs are not present in the area investigated (See attached site figure).

PSI appreciates the opportunity to be of service. If you have any questions, please call us at 562-597-3977.

Respectfully submitted,  
**PROFESSIONAL SERVICE INDUSTRIES, INC.**



Lloyd D. Guss, PG  
Senior Geologist



Frank Poss, REA  
Principal Consultant

Attachment: Site Figure

# SITE INTERPRETATION MAP

Former Nike Missile Site - Fueling Bldg  
30940 Hawthorne Blvd  
Rancho Palos Verde, CA

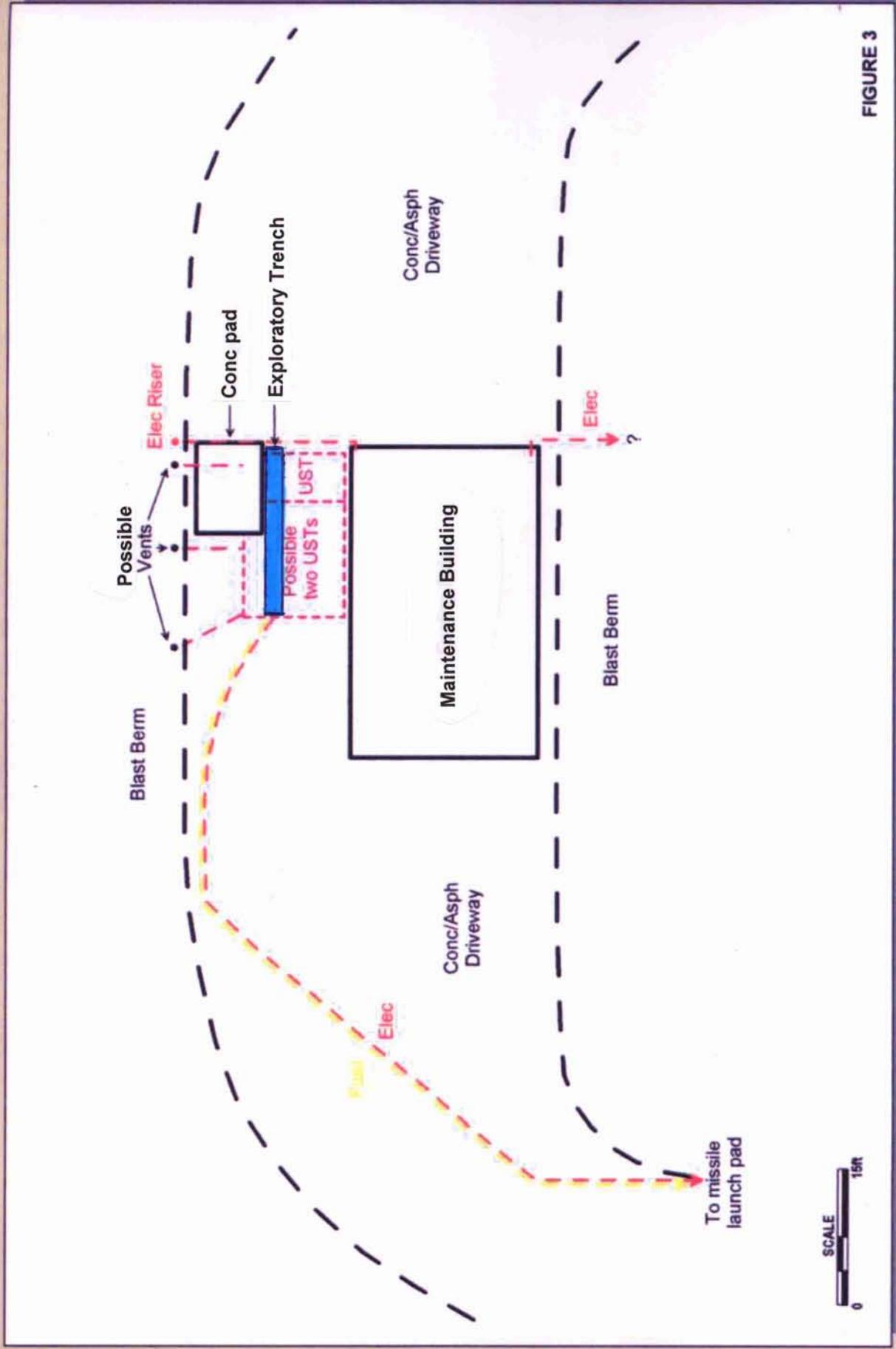


FIGURE 3

LIMITED SITE INVESTIGATION REPORT  
UPPER POINTE VICENTE  
30940 HAWTHORNE BOULEVARD  
RANCHO PALOS VERDES, CALIFORNIA 90275

Prepared for

City of Rancho Palos Verdes  
Public Works Department  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275

Prepared by

Professional Service Industries, Inc.  
3960 Gilman Street  
Long Beach, California 90815  
(562) 597-3977

PSI Project Number 559-9G001

March 12, 2009

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### FIGURES

FIGURE 1	SITE VICINITY MAP
FIGURE 2	SOIL BORING LOCATIONS

### APPENDICES

APPENDIX A	SOIL BORING LOGS
APPENDIX B	LABORATORY REPORT AND CHAIN OF CUSTODY

## STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

The information provided in this Limited Site Investigation Report prepared by Professional Service Industries, Inc. (PSI) is intended exclusively for the City of Rancho Palos Verdes located at 30940 Hawthorne Boulevard in Rancho Palos Verdes, California. No unnamed third party shall have the right to rely on this report without the express written consent of PSI. The professional services provided have been performed in accordance with practices generally accepted by other appropriate environmental professionals, geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. PSI is not an insurer and makes no guarantee or warranty that the services supplied will avert or mitigate occurrences, or the consequences of occurrences, that the services are designed to prevent or ameliorate. As with all subsurface investigations, there is no guarantee that the work conducted has identified any and all sources or locations of petroleum hydrocarbons or hazardous substances or chemicals in the subsurface.

This Limited Site Investigation Report has been reviewed by a Professional Geologist who is registered in the State of California and whose signature and license number appears below.



Chris Schell  
Project Scientist



Lloyd Guss, P.G. (7034)  
Senior Geologist

Reviewed by: Frank Poss, Principal Consultant

## 1.0 INTRODUCTION

This Limited Site Investigation Report summarizes field activities and findings, and presents laboratory results for soil sample testing.

The subject property consists of a portion of the former Nike Missile Facility, currently owned by the City of Rancho Palos Verdes located at 30940 Hawthorne Boulevard, Rancho Palos Verdes, California. The property includes two large concrete underground vaults formerly used as missile silos, a concrete launch pad, two concrete block out-buildings that are currently utilized as a cable television service building (Cable Building) and a maintenance equipment storage building (Maintenance Building) utilized by the City of Rancho Palos Verdes Department of Public Works, a generator building (Generator Building) currently utilized by the City of Rancho Palos Verdes to store signs, and the access road connecting the two out-buildings to the launch pad.

The purpose of this investigation was to further assess high concentrations of barium, cadmium, and chromium that were detected during the July 2005 Site Investigation of the subject property.

### **Site Geology and Hydrogeology**

According to the most current United States Geological Survey (USGS) 7.5-Minute Topographic Map for the Redondo Beach Quadrangle dated 1981, the subject property is located at an elevation of approximately 350 feet above mean sea level and the topographic slope is to the south (see Figure 1).

Site-specific geology was evaluated by observing the soil samples collected during this Limited Site Investigation. The site is underlain by clayey silt and sandy silt to the maximum depth investigated of 5-feet below ground surface (bgs); and groundwater was not encountered (See Boring Logs in Appendix A).

## 2.0 SITE BACKGROUND

According to the 2005 Site Investigation Report performed by PSI, thirteen (13) soil samples were tested for Title 22 California Code of Regulations (CCR) heavy metals. Concentrations of metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium, and zinc) were detected in the soil samples at various concentrations, but did not exceed regulatory limits. However, barium concentrations in borings SB-3, SB-8, and SB-16; cadmium in boring SB-9; and chromium in borings SB-5 and SB-9 were elevated and solubility testing was recommended. Please refer to the table below for a summary of the July 2005 Site Investigation results.

**July 2005 Site Investigation  
Metals Results Summary**

<b>Sample ID</b>	<b>Depth (feet)</b>	<b>Barium (mg/kg)</b>	<b>Cadmium (mg/kg)</b>	<b>Chromium (mg/kg)</b>
SB-3	1	1,000	1.2	29
SB-5	10	96	0.65	59
SB-8	5	1,200	1.6	26
SB-8	10	1,800	1.8	31
SB-9	1	830	15	110
SB-16	5	1,200	ND	8.5
CHHSLs-Residential		5,200	1.7	100,000*
10 X STLC		1,000	10	50
TTLC		10,000	100	2,500

**Notes:**

All analytical results are presented in milligrams per kilogram (mg/kg)

CHHSLs = California Human Health Screening Levels

10 X STLC = Ten times the Soluble Threshold Limit Concentration, Title 22 CCR

TTLC = Total Threshold Limit Concentration, Title 22 CCR

\* = Limit for chromium III

Based on the soil sample results above, it was recommended that an additional assessment be conducted for the heavy metals barium, cadmium, and chromium in the area of former borings SB-3, SB-5, SB-8, SB-9, and SB-16; and if necessary, solubility testing be done on the soil samples collected.

### 3.0 FIELD ACTIVITIES

The field activities completed for this investigation are summarized in the following sections. For the purpose of presentation, the activities have been divided into sections as they occurred in general chronological order.

#### **Health & Safety Plan**

A Health & Safety Plan was prepared to promote a safe and healthy environment for the public in areas where soils or other materials potentially contaminated with hazardous substances are excavated, removed, or handled. It is the responsibility of property owners, responsible parties, contractors, and consultants to conduct all on-site activities so as not to create public health and safety hazards or nuisances. Every precaution was taken by PSI to prevent impacts to the surrounding community.

#### **Drilling and Sampling Activities**

Soil sampling operations were directed by PSI field personnel and supervised by a California Registered Professional Geologist; all field personnel were OSHA trained in accordance with 29 CFR 1910.120.

On February 3, 2009, five (5) soil borings were advanced to a maximum depth of 5 feet bgs in the vicinity of former borings SB-3, SB-5, SB-8, SB-9, and SB-16, using a direct-push drill rig. Samples were labeled the same as the July 2005 borings for comparison purposes. Samples were collected at five feet bgs from each boring and groundwater was not encountered (see Figure 2). Samples were collected by retaining a 1-inch by 6-inch acetate section of the sample sleeve, which was sealed with a Teflon lined cap, labeled, and stored in a cooled ice chest until transported to the analytical laboratory.

A photo-ionization detector (PID) was used during the site assessment to monitor ambient air for volatile organic compounds (VOCs) in and around the work area and soil samples. PID readings did not indicate concentrations of VOCs in the work area or in any of the soil samples.

#### 4.0 LABORATORY ANALYSES

##### **Sample Analyses**

Six (6) soil samples and one quality assurance/quality control (QA/QC) sample were submitted, under chain-of-custody protocol, to Advanced Technology Laboratories in Signal Hill, which is a California certified analytical laboratory accredited under the Environmental Laboratory Accreditation Program (ELAP). Using USEPA Method 6010B, samples SB3-5, SB8-5, and SB16-5 were tested for barium; samples SB5-5 and SB9-5 were tested for chromium; and sample SB9-5 was tested for cadmium. In addition, samples SB3-5, SB8-5, and SB16-5 were additionally tested for soluble barium using the California Waste Extraction Test (WET); and samples SB5-5 and SB9-5 were tested for hexavalent chromium (Cr IV).

##### **Analytical Results**

Concentrations of barium, chromium, and cadmium did not exceed Title 22 CCR Total Threshold Limit Concentration values. However, samples SB3-5, SB8-5, and SB16-5 revealed concentrations of barium that exceeded ten times the Title 22 CCR Soluble Threshold Limit Concentration (STLC) value (1,000) and were consequently tested for soluble barium using the WET. Soluble barium results indicate concentrations that do not exceed the Title 22 CCR STLC value. Although chromium was detected in samples SB5-5 and SB9-5, hexavalent chromium was not detected above the laboratory detection limit (0.1 mg/kg).

Additionally, barium, cadmium, and chromium II and chromium IV concentrations are all below the California Human Health Screening Levels (CHHSLs) for residential land use, which are the more conservative levels. Please refer to the tables below for a summary of the analytical results and regulatory limits. A complete copy of the laboratory report and chain of custody can be found in Appendix B.

**Heavy Metals Results Summary  
Sampled: February 3, 2009**

Sample ID	Depth (feet)	Barium	Cadmium	Chromium III	Chromium IV
SB3-5	5	1,100	NT	NT	NT
SB5-5	5	NT	NT	41	<0.1
SB8-5	5	1,700	NT	NT	NT
SB9-5	5	NT	<1.0	35	<0.1
SB16-5	5	1,100	NT	NT	NT
CHHSLs-Residential		5,200	1.7	100,000	17
10 X STLC		1,000	10	50*	---
TTLc		10,000	100	2,500*	---

Notes:

All soil analytical results are presented in milligrams per kilogram (mg/kg)

NT = Not Tested

CHHSLs = California Human Health Screening Levels

10 X STLC = Ten times the Soluble Threshold Limit Concentration, Title 22 CCR

TTLc = Total Threshold Limit Concentration, Title 22 CCR

\* = Values are for total chromium

**California Waste Extraction Test Results  
Sampled: February 3, 2009**

Sample ID	Barium (mg/L)
SB3-5	12
SB8-5	17
SB16-5	15
STLC	100

Notes:

All soil analytical results are presented in milligrams per liter (mg/l)

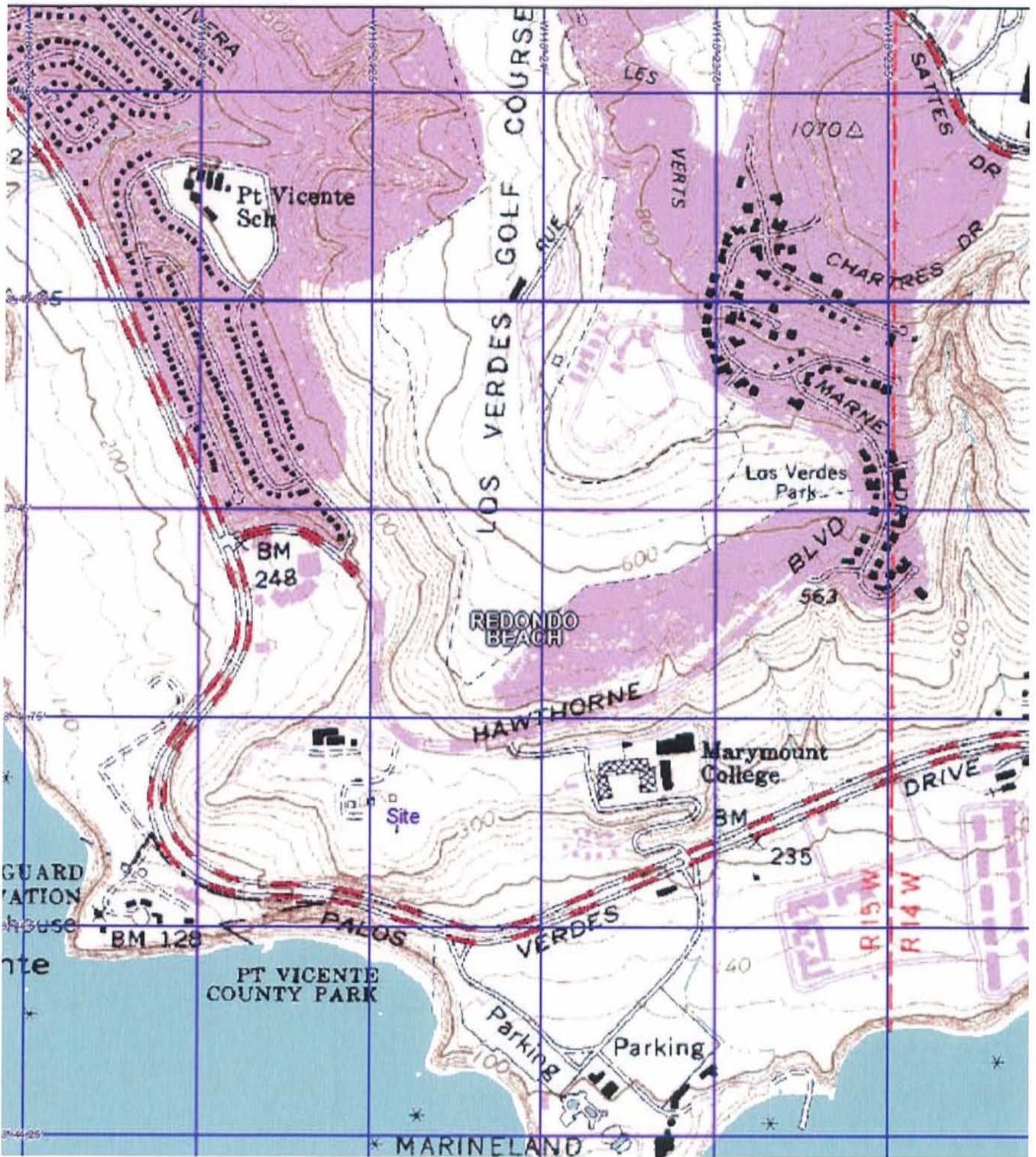
STLC = Soluble Threshold Limit Concentration, Title 22 CCR

**5.0 CONCLUSIONS**

As requested by the City of Rancho Palos Verdes, PSI has conducted this Limited Site Investigation at the former Nike Missile Site in order to further investigate the concentrations of barium, cadmium, and chromium that were detected during the July 2005 site assessment. Based on the information obtained from this investigation and provided in this report, PSI makes the following conclusions:

- Soil sample analyses reveal concentrations of barium, cadmium, and chromium that do not exceed Title 22 CCR Total Threshold Limit Concentration values.
- California Waste Extraction Test results indicate barium concentrations below the Title 22 CCR STLC value.
- Barium, cadmium, chromium III and chromium IV concentrations are all below the CHHSLs for residential land use.
- No further investigation for heavy metals is necessary in the area of the former Nike Missile Site.

## **FIGURES**



**psi** Information  
To Build On  
Engineering • Consulting • Testing

3960 Gilman Street  
Long Beach, CA 90815  
562/597-3977  
Fax 562/597-8459

PROJECT NAME:

FORMER NIKE MISSILE FACILITY  
30940 HAWTHORNE BOULEVARD  
RANCHO PALOS VERDES,  
CALIFORNIA 90275

PROJECT NO.: 559-9G001

FIGURE 1: SITE LOCATION MAP

Source:  
Redondo Beach, California Quadrangle  
7.5' USGS Topographic Map

Scale: 1:12,800  
Date: 1981





**EXPLANATION**

● SB-16 SOIL BORING SAMPLE

**SOURCE:**  
MAP OBTAINED FROM A SURVEY BY  
FSG PERSONNEL ON 8-12-05



**ASSUMED NORTH**

<p><b>IPST</b> Information to build on Engineering - Consulting - Testing</p>		<p><b>ENVIRONMENTAL SERVICES</b> Lang Beck &amp; Co., Inc. (202) 587-2877</p>	
<p>PROJECT NO. 559-90001</p>	<p>DATE 2/8/09</p>	<p>BY ETD</p>	<p>SCALE 90001-02</p>
<p>NO. 2</p>	<p>SOIL BORING LOCATIONS</p>		

## USER QUESTIONNAIRE 1 OF 2

Pursuant to ASTM E 1527-05 Appendix X.3, in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide the information could result in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of his or her actual knowledge.

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?  
 No  Yes If yes, please explain.

2. Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?  
 No  Yes If yes, please explain.

3. As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?  
 No  Yes If yes, please explain.

4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?  
 No  Yes If yes, please explain.

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user: (a) Do you know of the past uses of the property?; (b) Do you know of specific chemicals that are present or were once present at the property?; (c) Do you know of spills or other chemical releases that have taken place at the property?; (d) Do you know of any environmental cleanups that have taken place at the property?  
 No  Yes If yes, please explain.

6. As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?  
 No  Yes If yes, please explain.

*Tarrant  
EIR  
Phase I report  
in Log # EIR*

*Program of  
Manufacture*

*Need to verify with Planning and Agreement  
with Federal Govt re use of property*

*Local government agency and received  
property from U.S. Gov't to administer basic municipal service levels to  
residents of RPV.*

*Historical documents from U.S. Gov't should be  
reviewed. Property was former Nike missile Base that was decommissioned.*

## USER QUESTIONNAIRE 2 OF 2

### Proceedings Involving the Property

Pursuant to ASTM E 1527-05 §10.9, as the user of this ESA do you know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

No  Yes If yes, please explain.

### Helpful Documents Checklist

Pursuant to ASTM E 1527-05 §10.8, do you know whether any of the following documents exist related to the subject property, and if so, whether copies can and will be provided to PSI for review? Check all that apply.

- Environmental site assessment reports
- Environmental compliance audit reports
- Environmental permits (for example solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)
- Registrations for above or underground storage tanks
- Registration for underground injection systems
- Material safety data sheets
- Community right-to-know plan
- Risk assessments
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control (SPCC) plans; etc.
- Reports regarding hydrogeologic conditions on the property or surrounding area
- Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property
- Hazardous waste generation notices or reports
- Geotechnical studies
- Recorded activity and land use limitations (AULs) <sup>POU</sup>

Tom A. Odom  
Name (Authorized User Representative)

Deputy Director, Public Works  
Title

[Signature]  
Signature

8/12/10  
Date

Please return this form along with the signed and completed Proposal Authorization & Payment Instructions and Contact Information forms, all of which are a part of this proposal, to PSI as your authorization to begin work on this project.

**Appendix G:**  
**Data Gap Worksheet**

Project Name: RPV  
 Project Number: 0559334  
 Date: 09/08/2010

## DATA GAP WORKSHEET

APPEND

Requirement	Status	Other Sources of Information	SDG*
<b>Category</b> Activity	N/A  Complete  Incomplete	<b>Reference other sources            used in coordination with or to augment</b>	<b>Blank            if None</b>
<b>User Responsibilities</b>			
User Knowledge and Information	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Environmental Lien and AUL Information	<input checked="" type="checkbox"/> <input type="checkbox"/>		
<b>Environmental Records Review</b>			
Standard Environmental Records Source Information	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Discretionary Local environmental record information	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
<b>Physical Setting Source</b>			
Standard Physical Setting Information	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Additional Physical Setting Record Information	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
<b>Historical Records Review</b>			
Property History Identified to 1940	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Property History Identified first Developed Use	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Surrounding Property History Information	<input checked="" type="checkbox"/> <input type="checkbox"/>		
<b>Site Reconnaissance</b>			
Observations: Exterior of the Subject Property	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Observations: Interior of the Subject Property	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	No Access to missile silos due to safety concerns	
Current and Past Uses of the Subject Property	<input checked="" type="checkbox"/> <input type="checkbox"/>		





**Appendix H:**  
**Personnel Qualifications**

# RESUME

## **Eric C. Fraske, E.I.T.**

Environmental Department Manager, Long Beach, California

### **Education**

Bachelor of Science: Major-Civil Engineering  
Michigan State University: May 2004

### **Certifications/Registrations/Technical Training**

40 Hour HAZWOPER, 2008  
Certified EIT, Michigan, 2004  
PSI Phase I Training Course, 2004  
PSI Phase II Training Course, 2005

### **Professional Experience**

Mr. Fraske is the department manager for the environmental group of the Long Beach, California office of PSI. As department manager, Mr. Fraske oversees all environmental projects. These include Phase I, Phase II, and Phase III Environmental Assessments, storm water management services, and soil and groundwater remediation projects. His responsibilities include coordinating personnel and equipment resources to ensure client satisfaction. Mr. Fraske is closely involved with clients, potential clients, and projects in order to form strong alliances and long lasting working relationships. His work involves extensive client contact, program quality assurance/quality control (QA/QC), and liaison with federal, state, and local regulatory agencies.

Prior to joining PSI, Mr. Fraske worked as a field technician for an air quality firm from 2002 to 2004. As a field technician, his work experience included ambient air sampling, gas emissions testing, pollution modeling, compliance demonstrations, TRIS, report development, and industrial air permitting.

### **Environmental Services**

Mr. Fraske has conducted many Phase I ESAs for commercial lenders, local and nationwide banks, and real-estate developers. Transactions included mergers and acquisitions, and refinancing.

### **Representative Phase I Environmental Site Assessments Project Experience**

- Over 50 Proposed CVS Locations Throughout Southern California
- Proposed NFL Stadium Locations, Southern California
- Sony Pictures Studios, Culver City, California
- Proposed Extra Space Self Storage Facilities, Throughout Southern California
- Proposed 84 Lumber Centers, Throughout Southern California
- Pacific Gateway Industrial Center, Torrance, California
- 60,000 Acres of Timberland in South Georgia
- 6,000 Acre Former Cattle Farm, Bleckley County, Georgia
- Five Volvo Equipment Dealerships, Savannah, Macon, Marietta, Atlanta, and Augusta, Georgia
- Various Fiber Optic Cable Sites, Marietta, Georgia
- Multiple Burger King Restaurants, New York, New York

Mr. Fraske has performed Phase II Subsurface Investigations and a variety of subsurface investigations for commercial lenders, state environmental protection agencies, and private individuals at several commercial and industrial real estate properties.

## RESUME

### Representative Phase II Environmental Site Assessments and Site Investigation Project Experience

- Mira Mar Naval Air Station, San Diego, California
- Former Gasoline Station, Compton, California
- Active Sugar Mill, Clewiston, Florida
- 300 Square Mile Agricultural Land Acquisition, South Florida
- Plating Facility, West Hollywood, California
- Former Western Brass Manufacturing Facility, Los Angeles, California
- Former Dry Cleaner, Garden Grove, California
- Former Auto Dealership, Manhattan Beach, California
- Former Nike Missile Site, Rancho Palos Verdes, California
- Former Wastewater Treatment Plant, Fort Oglethorpe, Georgia
- 6,000 Acre Former Cattle Farm, Bleckley County, Georgia
- Three former gasoline stations, Savannah, Georgia

Mr. Fraske has conducted soil excavations, groundwater sampling, operations and maintenance of total fluids free product recovery systems and soil vapor extraction systems, well surveys, well development, groundwater sampling and effluent sampling of treated groundwater on several impacted properties.

### Representative Remediation Project Experience

- Former Gasoline Station, Culver City California
- Former Dry Cleaner, Garden Grove, California
- Former Dry Cleaner, Montclair, California
- Former Plating Facility, West Hollywood, California
- Former Technicolor Studio, Hollywood, California
- Oil Spill, Fontana, California
- Former Auto Dealership, Manhattan Beach, California
- 6,000 Acre Former Cattle Farm, Bleckley County, Georgia
- Former Wastewater Treatment Plant, Fort Oglethorpe, Georgia
- Emory Northlake Medical Center, Tucker, Georgia,
- Peachtree Mitsubishi, Doraville, Georgia

**Years experience with other firms: 2**  
**Year started with PSI: 2004**