

**Phase I Environmental Site Assessment  
40-Acre Vacant land  
Located Southwest of the Intersection of  
Saratoga Avenue and Norma Street  
Ridgecrest, California**

**October 17, 2005  
002-10827-00**

Prepared For  
Taft Corporation  
6080 Busch Drive  
Malibu, California 90265

Prepared By  
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October 17, 2005

002-10827-00

Mr. Aldrin Prestosa  
Taft Corporation  
6080 Busch Drive  
Malibu, California 90265

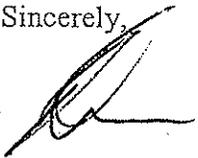
Subject: Phase I Environmental Site Assessment, 40-Acre Vacant Lot, Located Southwest of the Intersection of Saratoga Avenue and Norma Street in Ridgecrest, Kern County, California

Dear Mr. Prestosa:

LFR Levine-Fricke (LFR) is pleased to present the attached Phase I Environmental Site Assessment (ESA) for the above-referenced property. The conclusions presented in this report are based on the results of a reconnaissance-level site visit conducted by LFR personnel and a review of available and pertinent background information.

LFR appreciates this opportunity to provide consulting services to Taft Corporation. If you have any questions concerning this project, or would like to discuss other environmental concerns, please contact me at (714) 444-0111.

Sincerely,



Derrick S. Willis  
Principal Hydrogeologist

Attachment

## EXECUTIVE SUMMARY

### Findings

LFR Levine-Fricke (LFR) performed a Phase I Environmental Site Assessment (ESA) of the property located southwest of the intersection of Saratoga Avenue and Norma Street, in the City of Ridgecrest, County of Kern, California ("the Site"). The approximately 40-acre Site consists of two separate, contiguous parcels of undeveloped natural desert terrain. It is LFR's understanding that Taft Corporation plans to develop the Site for residential housing.

### On Site

Historically, the Site has been vacant, undeveloped land since at least 1952. Based on the historical documents reviewed for this Phase I ESA, very little to no change has occurred on the Site over the years.

On the day of LFR's Site inspection, the approximately 40-acre rectangular-shaped parcels consisted of undeveloped land covered with natural native and nonnative desert scrub vegetation, approximately one to four feet in height. No structures are located on the Site.

No evidence of surface staining or disposal of hazardous materials was observed on the Site. No pad- or pole-mounted electrical transformers were observed at the Site. No evidence of aboveground storage tanks (ASTs) or underground storage tanks (USTs), the use and/or storage of hazardous materials and/or petroleum products, septic systems, sumps or ponds was observed at the Site.

The Site does not currently have a street address; therefore, requests to local regulatory agencies were not able to identify any information pertaining to the location of the Site. The Site location is not listed in the environmental database report prepared by Environmental Data Resources, Inc. (EDR).

### Off Site

Historically, the surrounding properties have consisted of natural desert terrain since at least 1952.

Currently, the Site is bounded to the north by vacant land; to the east by Norma Street (dirt road) followed by vacant land; to the south by vacant land; and to the west by Sierra View Street (dirt road) followed by vacant land.

No off-site properties were listed in the environmental database report prepared by EDR.

## Opinion

### *On Site*

No evidence or suspicion of the release(s) of hazardous materials or petroleum products onto the land surface was observed on the Site during the Site inspection. It is LFR's opinion that no recognized environmental conditions are present at the Site.

### *Off Site*

LFR observed no suspect environmental conditions in the course of its observations of the Site vicinity, either during reconnaissance or through historical research of the area.

## Conclusions and Recommendations

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E-1527-00 for Phase I ESAs. Any exceptions to or deletions from this practice are described in Section 1.4 of this report. Coverage for the Site was only available for the years 1915 (topographic map) and 1952 through 1994 (aerial photographs); however, based on the prior land use being vacant and undeveloped, the gap in coverage should not effect the nature of the material used in this report. This assessment has revealed no evidence or indication of recognized environmental conditions associated with the Site.

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- B Historic Records Documentation
- C Regulatory Records Documentation

## 1.0 INTRODUCTION

LFR Levine-Fricke (LFR) performed a Phase I Environmental Site Assessment (ESA) of the property located southwest of the intersection of Saratoga Avenue and Norma Street, in the City of Ridgecrest, County of Kern, California ("the Site"). The approximately 40-acre Site consists of two separate, contiguous parcels of undeveloped natural desert terrain. It is LFR's understanding that Taft Corporation plans to develop the Site for residential housing.

### 1.1 Purpose

The objective of this assessment is to provide an independent, professional opinion regarding *recognized environmental conditions*, if any associated with the Site. According to American Society for Testing and Materials (ASTM) Standard Practice E-1527-00, a recognized environmental condition is the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or the material threat of a release of hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. LFR understands that Taft Corporation will use this Phase I ESA to perform due diligence with respect to environmental conditions at the Site.

### 1.2 Detailed Scope of Services

The scope of work for the Phase I ESA included the following activities:

- a reconnaissance-level visit of the Site for evidence of the release(s) of hazardous materials and/or petroleum products and to assess the potential for on-site releases of hazardous materials and/or petroleum products
- an evaluation of land use in the vicinity of the Site
- a review of selected regulatory files of reported on- and off-site release cases
- preparation of a report presenting our findings

### 1.3 Significant Assumptions

LFR assumes that the purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary business practice in an effort to identify environmental risk associated with the Site. LFR also assumes that the information provided by Taft Corporation, the regulatory database provider, and regulatory agencies is true and reliable.

## 1.4 Limitations and Exceptions

Site-specific activities performed by LFR and information collected regarding these activities are summarized in the following sections. The findings of this Phase I ESA are presented in Section 7.0. Opinions and conclusions drawn by LFR, based on the information collected as part of the Phase I ESA, are presented in Sections 8.0 and 9.0, respectively.

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty or guarantee, express or implied, is intended or given. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

The findings presented in this report apply solely to site conditions existing at the time when LFR's assessment was performed. It must be recognized, however, that an environmental site assessment is intended for the purpose of determining the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental site assessment conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications, or warranties that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations or standards.

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E-1527-00 for Phase I ESAs.

Coverage for the Site was only available for the years 1915 (topographic map) and 1952 through 1994 (aerial photographs); however, based on the prior land use being vacant and undeveloped, the gap in coverage should not effect the nature of the material used in this report.

## **1.5 Special Terms and Conditions**

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of polychlorinated biphenyls (PCBs) or collection of other environmental samples. The scope of work did not include an assessment of natural hazards such as naturally occurring asbestos, radon gas or methane gas, an assessment of the potential presence of radionuclides, an assessment of nonchemical hazards such as the potential for damage from earthquakes or floods, or an assessment of the presence of endangered species or wildlife habitats. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the Site or a health-based risk assessment.

## **1.6 User Reliance**

This report is for the exclusive use of Taft Corporation, its counsel and lender. Use of this report by any other party shall be at such party's sole risk.

## **2.0 SITE DESCRIPTION**

### **2.1 Location and Legal Description**

The approximately 40-acre Site is located southwest of the intersection of Saratoga Avenue and Norma Street in the city of Ridgecrest. The County of Kern Assessor's Office designates the Site as the following Assessor Parcel Numbers (APNs): 510-010-06 and 510-010-07 and the ownership is reportedly vested in Alpine Ridge Group.

According to Kern County Planning Department, the Site is zoned as E-20 ( single-family residences).

### **2.2 Site and Vicinity General Characteristics**

The Site Vicinity Map and Site Map with adjacent properties are presented as Figures 1 and 2, respectively. The Site and vicinity are comprised of undeveloped desert terrain and the greater surrounding area is a mixture of residential homes and undeveloped land desert terrain.

## **2.3 Current Use of the Site**

The Site is undeveloped desert terrain with natural native and nonnative desert scrub vegetation.

## **2.4 Descriptions of Structures, Roads, and Other Improvements on the Site**

Dirt roads border the Site to the west (Norma Street) and to the east (Sierra Vista). No structures or other improvements are present on the Site.

### **2.4.1 Building Description**

No structures are present on the Site.

### **2.4.2 Source of Potable Water**

There is no potable water service at the Site. Indian Wells Valley Water District supplies water to the surrounding vicinity. According to a representative from the Indian Wells Valley Water District, no local wells are present in the Site vicinity, due to high levels of arsenic and poor water quality. Therefore, water to the Site vicinity is brought in from an outside area.

### **2.4.3 Sewage Disposal System**

There is no sanitary sewer connection to the Site at this time. However, according to a representative from the City of Ridgecrest Public Works Department, the Site is out of city limits, therefore, all residences must connect to a septic system.

### **2.4.4 Solid Waste Disposal**

There is no solid waste disposal service at the Site. The City of Ridgecrest provides refuse disposal to the site vicinity.

### **2.4.5 Heating and Cooling Systems**

No heating and cooling systems were observed at the Site; however, Southern California Edison supplies electricity to the Site vicinity and Benz Company supplies natural gas to the Site.

## **2.5 Current Uses of Adjoining Properties**

Currently, the Site is bounded to the north by vacant land; to the east by Norma Street (dirt road) followed by vacant land; to the south by vacant land; and to the west by Sierra View Street (dirt road) followed by vacant land.

## **3.0 USER-PROVIDED INFORMATION**

### **3.1 Title Records**

Taft Corporation did not provide LFR with title reports for the Site as part of this Phase I ESA.

### **3.2 Environmental Liens or Activity and Use Limitations**

Taft Corporation did not provide LFR with information regarding environmental liens or activity and use limitations for the Site as part of this Phase I ESA.

### **3.3 Specialized Knowledge**

Taft Corporation did not provide LFR with additional specialized knowledge as part of this Phase I ESA.

### **3.4 Valuation Reduction for Environmental Issues**

Taft Corporation did not provide LFR with an estimated valuation reduction, related to known environmental issues associated with the Site, as part of this Phase I ESA.

### **3.5 Owner, Site Manager, and Occupant Information**

Taft Corporation did not provide LFR with owner information for the Site as part of this Phase I ESA. The Site is currently unoccupied.

### **3.6 Reason for Performing Phase I ESA**

LFR assumes that the purpose of this Phase I ESA is to provide Taft Corporation with appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability.

### **3.7 Other**

Taft Corporation did not provide LFR with any other information as part of this Phase I ESA.

## **4.0 RECORD REVIEW**

### **4.1 Standard Environmental Records Sources**

An environmental database report prepared by Environmental Data Resources, Inc. (EDR) was reviewed for local, state, and federal listings for properties within the vicinity of the Site. Regulatory database lists were reviewed for cases pertaining to leaking USTs and ASTs, hazardous waste sites, and abandoned sites within the specified radii of standards established by the ASTM. The information provided by EDR and the reported direction of groundwater flow in the site vicinity (north) were used to assist LFR in this assessment. A copy of the EDR report for the Site dated October 6, 2005 is included in Appendix C.

EDR's report contains a section of "orphan sites" that are not radius reported due to incomplete and/or inaccurate address information in the United States Environmental Protection Agency (EPA) and/or State databases. The "orphan sites" listed in the EDR report were also plotted and reviewed for this Phase I ESA. Two facilities are listed on the "orphan sites" summary of the EDR database report. Due to the nature of the listings and their distance from the Site, none of the "orphan sites" are expected to pose a significant environmental concern to the Site.

The EDR report did not list the Site or any off-site properties on any Federal or State ASTM standard or supplemental databases.

### **4.2 Additional Environmental Records Sources**

According to the results of the State of California Department of Health Services' 1990 California Statewide Radon Survey, Kern County is expected to have a Radon Zone rating of 2. Zone 2 has a predicted average indoor radon range of >2.0 and <4.0 pCi/L. The level at which the EPA considers radon levels to be unhealthful is 4.0 pCi/L in residential structures.

According to the EDR report, no historical oil and/or natural gas fields were identified within 1.0 mile of the Site.

## 4.3 Agency Research

### 4.3.1 Kern County, Building Department

LFR requested records for the Site from the County of Kern, Building Department. According to the Building Department, no records are available for the Site location.

## 4.4 Physical Setting Sources

### 4.4.1 Geology

#### 4.4.1.1 *Surface Features*

According to the United States Geological Survey (USGS) topographic map for the Ridgecrest South, California, Quadrangle, the Site elevation is approximately 2,400 feet above mean sea level (msl). The Site is generally flat and the natural topography of the Site vicinity slopes gently to the north.

The Site is located within the High Mojave Desert, which is situated in the southern portion of the Indian Wells Valley, and has a desert climate environment. Four mountain ranges surround the Site; the Sierra Nevada to the West; Cosos to the North; Argus Range to the east; and El Paso Mountains to the south. Surface soils at the Site is light-to medium brown colored silts and sands with small rocks and cobbles strewn throughout the Site.

#### 4.4.1.2 *Subsurface Features*

The EDR report identifies the geology of the Site as part of the Stratified Sequence Series of the Quaternary System and Cenozoic Era. According to the United States Department of Agriculture (USDA), Soil Conservation Service (SCS), the property is underlain by soils classified as Cajon. Cajon soils are classified as loamy sand, with high infiltration rates, and well drained deep soils. The depth to bedrock is greater than 60 inches.

It should be noted that LFR has not drilled soil borings at the Site, and the local and regional geologic conditions described herein are based solely upon available literature regarding the area.

## 4.4.2 Hydrology

### 4.4.2.1 Surface Water

No surface water was observed on Site.

### 4.4.2.2 Groundwater

According to the EDR report, a federal USGS well is located approximately 0.5 mile north of the Site. The depth to groundwater at this well was reported as 192.00 feet below ground water surface (bgs) in 1973. However, according to a representative form the Indian Wells Valley Water District, all wells within the Site vicinity have been abandoned, due to high levels of arsenic in the water and poor water quality. Based on topography, the inferred groundwater flow direction would appear to be toward the north.

## 4.5 Historical Use Information on the Site

Historically, the Site has been vacant and undeveloped land since at least 1952. Historical documents reviewed for this Phase I ESA indicate that very little to no change has occurred on the Site over the years.

### 4.5.1 Historic Aerial Photograph Review

LFR reviewed available historic aerial photographs of the Site and vicinity from EDR Aerial Photograph Print Service. Photographs dated 1952, 1984, and 1994 were available for review. Photographs were not available prior to 1952 or between 1952 and 1984. However, this was not described as a concern, based on the prior uses being undeveloped land. Copies of the aerial photographs reviewed are provided in Appendix B

#### 1952

In the 1952 aerial photograph, the Site and vicinity are depicted as undeveloped desert terrain.

#### 1984 and 1994

The 1984 and 1994 aerial photographs appear essentially unchanged when compared to the 1952 photograph.

#### **4.5.2 Historical Topographic Map Review**

LFR requested that EDR perform a search of available historic topographic maps for the Site vicinity. USGS maps of the Searles Lake 60-Minute Quadrangle dated 1915, the Ridgecrest 15-Minute Quadrangle dated 1953, and the Ridgecrest South 7.5-Minute Quadrangle dated 1973, were reviewed. A brief discussion of the Site and vicinity, as depicted on these topographic maps, is provided below. Copies of the historic topographic maps reviewed are provided in Appendix B.

According to all the maps the Site and vicinity appear to consist of vacant land. Saratoga Avenue is present in the 1973 map north of the Site.

No features of concern were depicted on or near the Site on the historical topographic maps reviewed that would present an environmental concern for the Site.

#### **4.5.3 Historical City Directory Review**

LFR did not request historic City Directories for the Site, as the Site does not currently maintain a street address.

#### **4.5.4 Historical Sanborn Map Review**

LFR requested that EDR perform a search of available Sanborn Fire Insurance Maps for the Site vicinity. Sanborn maps were originally generated in the late 1800s to mid-1900s to document possible fire hazards related to the types of building structures and their general use. No Sanborn maps were found for the Site and immediate vicinity. Documentation of the search request results from EDR is located in Appendix B.

### **4.6 Historical Use Information on Adjoining Properties**

Historically, the surrounding properties have consisted of natural desert terrain since at least 1952.

## **5.0 SITE RECONNAISSANCE**

### **5.1 Methodology and Limiting Conditions**

On October 12, 2005, Ms. Dori Marsh of LFR conducted a reconnaissance-level assessment of the Site to observe general site conditions and indications of the possible release(s) of hazardous materials and/or petroleum products to the subsurface. Ms. Marsh was not escorted during the Site inspection, but was able to access all areas of the subject property. Photographs taken during the Site visit are presented in Appendix A.

### **5.3 Exterior Observations**

The Site currently consists of undeveloped land with natural desert terrain approximately two to four feet in height. There are currently no residential improvements on the Site. No pad- or pole-mounted electrical transformers were observed at the Site. No evidence of ASTs or USTs, the use and/or storage of hazardous materials and/or petroleum products, septic systems, sumps or ponds was observed at the Site.

## **6.0 INTERVIEWS**

### **6.1 Interview with Owner**

LFR did not interview the Site owner as part of the scope of this Phase I ESA.

### **6.2 Interview with Site Manager**

The Site is currently undeveloped; therefore, no Site manager was interviewed for this Phase I ESA.

### **6.3 Interviews with Site Occupants**

The Site is currently unoccupied.

## **7.0 FINDINGS**

LFR Levine-Fricke (LFR) performed a Phase I Environmental Site Assessment (ESA) of the property located southwest of the intersection of Saratoga Avenue and Norma Street, in the City of Ridgecrest, County of Kern, California ("the Site"). The approximately 40-acre Site consists of two separate, contiguous parcels of undeveloped natural desert terrain. It is LFR's understanding that Taft Corporation plans to develop the Site for residential housing.

### **7.1 On Site**

Historically, the Site has been vacant, undeveloped land since at least 1952. Based on the historical documents reviewed for this Phase I ESA, very little to no change has occurred on the Site over the years.

On the day of LFR's Site inspection, the approximately 40-acre rectangular-shaped parcels consisted of undeveloped land covered with natural native and nonnative desert scrub vegetation, approximately one to four feet in height. No structures are located on the Site.

No evidence of surface staining or disposal of hazardous materials was observed on the Site. No pad- or pole-mounted electrical transformers were observed at the Site. No evidence of ASTs or USTs, the use and/or storage of hazardous materials and/or petroleum products, septic systems, sumps or ponds was observed at the Site.

The Site does not currently have a street address; therefore, requests to local regulatory agencies were not able to identify any information pertaining to the location of the Site. The Site location is not listed in the environmental database report prepared by EDR.

## **7.2 Off Site**

Historically, the surrounding properties have consisted of natural desert terrain since at least 1952.

Currently, the Site is bounded to the north by vacant land; to the east by Norma Street (dirt road) followed by vacant land; to the south by vacant land; and to the west by Sierra View Street (dirt road) followed by vacant land.

No off-site properties were listed in the environmental database report prepared by EDR.

## **8.0 OPINION**

### **8.1 On Site**

No evidence or suspicion of the release(s) of hazardous materials or petroleum products onto the land surface was observed on the Site during the Site inspection. It is LFR's opinion that no recognized environmental conditions are present at the Site.

### **8.2 Off Site**

LFR observed no suspect environmental conditions in the course of its observations of the Site vicinity, either during reconnaissance or through historical research of the area.

## 9.0 CONCLUSIONS AND RECOMMENDATIONS

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E-1527-00 for Phase I ESAs. Any exceptions to or deletions from this practice are described in Section 1.4 of this report. Coverage for the Site was only available for the years 1915 (topographic map) and 1952 through 1994 (aerial photographs); however, based on the prior land use being vacant and undeveloped, the gap in coverage should not effect the nature of the material used in this report. This assessment has revealed no evidence or indication of recognized environmental conditions associated with the Site.

## 10.0 DEVIATIONS

LFR did not deviate from or alter the scope of work, as defined in Section 1.2 of this report, in any way.

## 11.0 ADDITIONAL SERVICES

LFR did not perform any work outside the scope of work as defined in Section 1.2 of this report.

## 12.0 REFERENCES

- Environmental Data Resources, Inc. (EDR). 2005a. EDR Radius Map with GeoCheck #1527574.2s. October 06.
- \_\_\_\_\_. 2005. EDR Historical Aerial Photographs. October 10.
- \_\_\_\_\_. 2005. EDR Historical Topographic Maps. October 07.
- \_\_\_\_\_. 2005. EDR Sanborn Map Report. October 06.
- Indian Wells Valley Water District. 2005. Groundwater Information. October.
- Kern County, Planning Department. 2005. Zoning information. October.
- United States Environmental Protection Agency (EPA). 2005. Map of Radon Zones. October. <http://www.epa.gov/radon/zonemap/california.htm>.
- United States Geological Survey (USGS). 1973. 7.5-Minute Series Topographic Map, Ridgecrest, California. Quadrangle.



### 13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by the undersigned of LFR Levine-Fricke.

  
\_\_\_\_\_  
Dori Marsh  
Staff Scientist II  
Date 10-17-05

  
\_\_\_\_\_  
Derrick S. Willis  
Principal Hydrogeologist  
Date 10/17/05

## 14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Resumes for Dori Marsh, Staff Scientist II, and Derrick S. Willis, Principal Hydrogeologist, are included on the following pages.

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## **DERRICK S. WILLIS**

Principal Hydrogeologist

*investigation and remediation planning  
brownfields development support  
RCRA Corrective Action Program  
environmental due diligence*

Mr. Willis has over 15 years experience serving both public sector and private clients in California and Canada on a wide variety of environmental projects. For the last several years, his focus has been on formulating and facilitating closure and development strategies for large, complex, high profile environmental projects for aerospace and real estate development firms.

Mr. Willis has extensive experience with due diligence/property transfer and development issues in a wide variety of industrial and regulatory settings. He is familiar with the industrial processes that generate environmental wastes, the fate and transport of chemicals in the environment, the potential adverse effects of these substances on human and ecological receptors, compliance challenges faced by business operators, the performance of remedial technologies, and how these issues play into successful site development.

As manager for the Risk Group in LFR's Costa Mesa office, Mr. Willis provides project director oversight on over 100 active projects. This work covers the spectrum of development-related environmental issues including Phase I Environmental Site Assessments; lead, asbestos, and mold; Preliminary Environmental Assessments; audits; Phase II investigations, risk evaluations; remediation; and risk transfer projects.

### **EDUCATION**

Bachelor of Science, Geology, University of Alberta, Alberta, 1988

### **REPRESENTATIVE EXPERIENCE**

- **Playa Capital Corporation, Playa Vista Development Project, Los Angeles, CA.**  
Mr. Willis served as program manager for the Playa Vista project, one of the largest and most visible brownfield development projects in the country. At 1,100 acres, it is the largest underway in Los Angeles County. His primary responsibilities included environmental program management (including scoping, developing, scheduling, and tracking environmental activities for the development project), risk management (including developing and negotiating with agencies for appropriate cleanup criteria), remedial strategy/management (including development and implementation of pilot tests and oversight

of investigation and remediation activities), agency/responsible party/buyer negotiations, contractor selection and oversight, litigation support, and data management.

- **Lockheed Martin (Former International Light Metals Facility), Torrance, CA.** Served as project manager and principal investigator for a 67-acre aerospace facility where client objective was expedited redevelopment. The project included facility demolition, preparation and implementation of a Resource Conservation and Recovery Act (RCRA) closure plan for 11 permitted RCRA units, negotiations with the Department of Toxic Substance Control (DTSC), preparation of a RCRA Facility Assessment (RFA) (210 features identified that required intrusive investigation), implementation of a RCRA Facility Investigation (RFI) for soil, preparation of a health-based risk assessment, and implementation of soil remediation. Site closure for soil was granted only three years after project initiation, in contrast to the normal six to eight year process, and has been used as an example by head DTSC officials as an example of industry and the regulatory community working together to achieve expedited site closures for property redevelopment purposes. Mr. Willis also developed strategy for groundwater investigation and remediation and negotiated the Corrective Action Consent Agreement (CACAA) with DTSC.
- **Project Manager, Confidential Client, Buena Park, CA.** Served as project manager for multi-media remediation project at a commercial development in Buena Park, California. The site was a former food processing facility that was redeveloped into commercial offices and warehouse space. Evaluated the environmental liability for a Real Estate Investment Trust (REIT) that subsequently purchased the property, and managed remediation program in conjunction with site redevelopment.
- **Project Manager, Brownfield Redevelopment, Torrance, CA.** Served as project manager and for site redevelopment project for a REIT. Evaluated environmental liabilities associated with a 12-acre parcel that was part of a butadiene plant (Del Amo Superfund Site) left undeveloped as a brownfield, and formulated a strategy to expedite regulatory closure and redevelopment. A comprehensive investigation was completed on the parcel, and the report submitted to the Environmental Protection Agency (EPA) for review. Successfully negotiated with EPA to conduct a non-Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) closure program. Conducted soil remediation program under EPA oversight in conjunction with site construction activities.
- **Project Management, Investigation and Remediation Program, Safety Kleen, Vancouver, British Columbia, Canada.** Managed remediation of former solvent recycler transfer stations in British Columbia and Alberta, Canada. Sites involved characterization and remediation of soil and perched groundwater zones. Assessed feasibility of vapor extraction for cleanup of vadose zone contamination, and designed and installed a dewatering system for perched water in former tank cavities and surficial saturated zone for Vancouver transfer station. Achieved regulatory site closure two years faster than previous consultant's estimate.

- **Cupples Manufacturing, Investigation and Remediation Program, La Mirada, CA.** Project manager for soil/groundwater characterization and remediation program at a truck maintenance facility in La Mirada, California. Conducted an underground storage tank and clarifier removal program in conjunction with site characterization activities. Implemented remediation of soil and groundwater impacted with petroleum hydrocarbons. Negotiated and received closure from Regional Water Quality Control Board (RWQCB).
- **Alberta Environment, Abandoned Wood Treatment Sites, Various Locations, Alberta, Canada.** Project manager for the Wood Preserving Sites Characterization Program for Alberta Environment. Performed site characterization of four former wood preservation sites in Alberta, Canada. The sites had been used for many years for treating wood poles and railroad ties with a pentachlorophenol/diesel mixture. Soil and/or groundwater were impacted at the sites. Soil borings and groundwater monitoring wells were installed, and laboratory analysis of soil and groundwater was performed, to help determine the lateral and vertical migration of dissolved-phase hydrocarbons in the groundwater and dense nonaqueous phase liquids (DNAPLs) through glacial tills and several non-confining layers. Detailed drilling and sampling plans were necessary to ensure correct evaluation of vertical DNAPL migration. Aquifer tests were performed and receptor data were collected in order to formulate a quantitative assessment of both health-based and environmental risk.
- **Texaco Refining and Marketing Inc., Investigation and Remediation Programs, Various Locations, Southern CA.** Responsible for remediation programs at several petroleum retail outlets for Texaco in the southern California area. Projects included soil and groundwater investigation programs, underground storage tank (UST) removals, remedial design (including design and implementation of vapor extraction and aquifer tests), implementation of remedial program, and operation and maintenance of remediation systems. This included designing, specifying, permitting, and installing of all equipment (including piping, downhole pumps, off-gas treatment, and water treatment).
- **Groundwater Contamination Investigation and Analysis, Technisol, Raymond, Alberta, Canada.** Conducted a groundwater investigation program at a solvent recycling facility located in southern Alberta, Canada. The program was implemented to determine the lateral and vertical extent of several species of chlorinated volatile organic compounds present in the confined aquifer beneath the facility. Aquifer testing was performed to estimate migration rates and to provide preliminary data for remedial action. Successfully negotiated with Alberta Environment (lead regulatory agency) for monitored natural attenuation approach.
- **Pier A Railyard, Port of Los Angeles, Los Angeles, CA.** Managed a soil and groundwater investigation a program at a Port of Los Angeles rail transfer yard. The objective of the project was to characterize previously identified polynuclear aromatic compounds, volatile organic compounds, and petroleum hydrocarbons in the soil and groundwater, and identify any regulated building materials in the site structures in order to

facilitate an expedited redevelopment program. The project was finished ahead of schedule and under budget.

- **Hydrocarbon Assessment, Texaco, Various Locations, Southern CA.** Managed underground storage tank removal/site characterization programs for soil and groundwater contamination at several petroleum retail outlets throughout southern California. Directed all field activities, including tank removal and replacement, vapor and groundwater well installation, well development and sampling, and vapor extraction piping installation for the characterization and remediation of soil and groundwater containing petroleum hydrocarbons and/or chlorinated compounds. Also participated in the design and implementation of aquifer pump tests.
- **Soil and Groundwater Remediation, Texaco, Various Locations, Southern CA.** Conducted vapor extraction tests, performed data analysis, and generated recommendations for an industrial manufacturing facility to determine the viability of using vapor extraction for remediating chlorinated solvents, primarily tetrachloroethene (PCE), present in the soil beneath the facility. Each test was designed to assess air flowrates and vacuums, vertical interference and crossflow, radii of influence, potential for water upwelling, and effectiveness of vapor extraction in both vadose and capillary zones. Extracted vapors were collected to determine volatile organic compound concentrations. Data were used to determine well spacing and slotting intervals, optimum flowrate/vacuum combinations, extraction blower sizing, and vapor treatment equipment.
- **Texaco, Various Locations, Southern CA.** Responsible for preparation of South Coast Air Quality Management District (SCAQMD) permitting, installation, operation and maintenance of thermal and catalytic oxidizers/vapor extraction systems for the remediation of soil (containing petroleum hydrocarbons) beneath operating service stations.
- **Confidential Client, Various Locations, Southern CA.** Conducted dozens of Phase 1 environmental assessments (ESAs) for industrial facilities including aerospace, furniture and paper manufacturing factories; utility companies; and vehicle and equipment maintenance facilities. The objective of the ESAs was to determine potential environmental concerns from past and present operations. ESAs consisted of property inspection; aerial photograph review; and facility, regulatory agency, and hydrogeological records review.
- **Confidential Client, CA.** Conducted a site audit and prepared a Hazardous Waste Source Reduction and Management document for a large amusement park operation in order to fulfill California mandated (SB14) regulations.
- **Unocal, Southern CA.** Completed ESAs and environmental regulatory compliance audit of six oil field sites from a transactional and operational perspective. Issues investigated included potential and noted exposures/pathways to soil and groundwater, contaminants of concern and their associated regulations, and an assessment of regulatory compliance.

## REGISTRATION

Alberta Registered Geologist: Alberta, Canada No. 48113

## PROFESSIONAL HISTORY

LFR Levine Fricke, Principal Hydrogeologist, 2002–present

Integrated Environmental Services, Director of Operations/Senior Program Manager, 1999–2002

ARCADIS Geraghty & Miller, Inc. Senior Hydrogeologist, 1993–1999

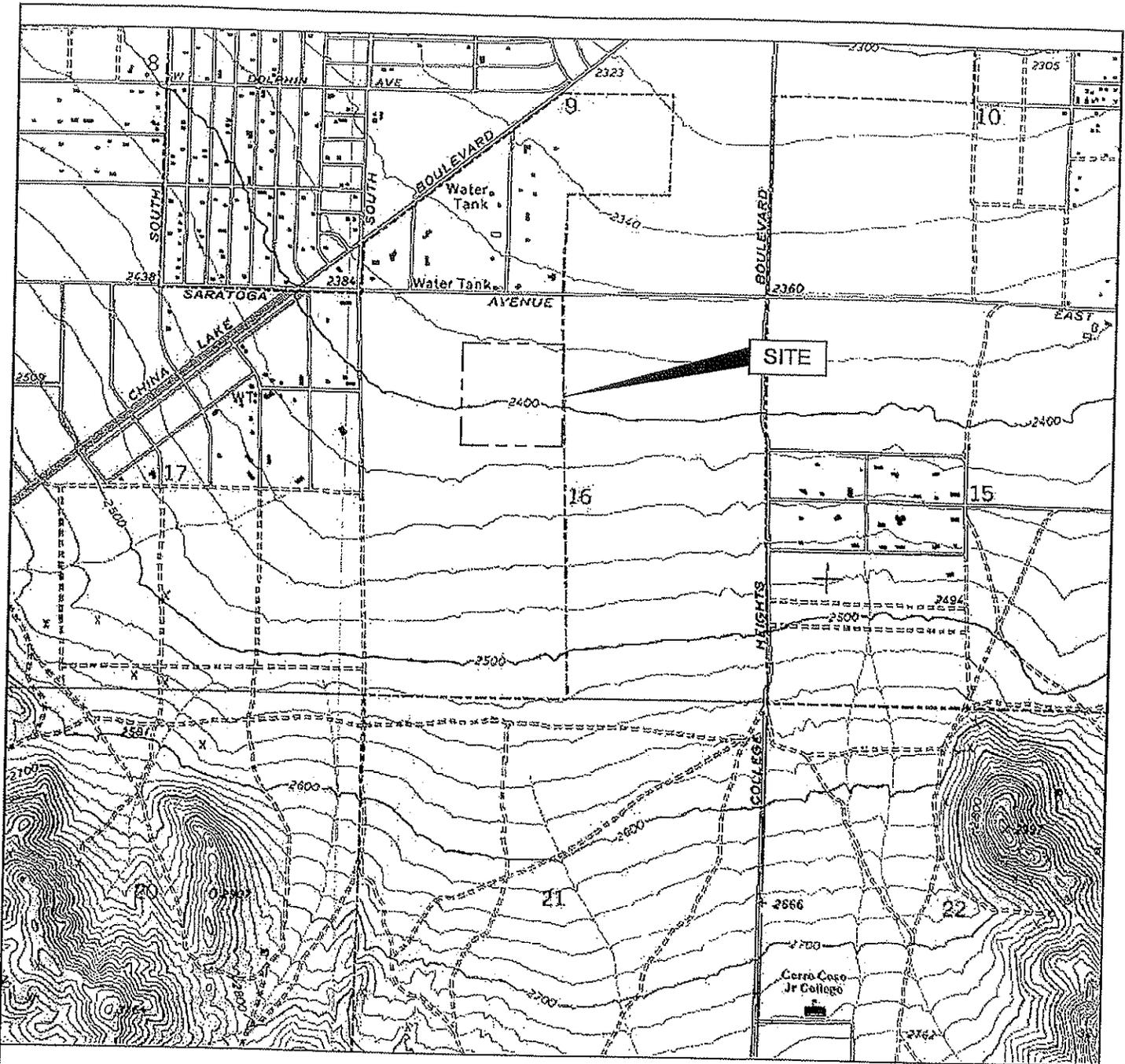
Environmental Design Corporation, Vice President, 1992

Environmental Science & Engineering, Inc., Staff Geologist, 1991

Terracon Geotechnique, Ltd., Geologist, 1989–1991

Contract Positions, Various Locations, Geologist, 1988

K:\Data\Graphics\10000110827\10827\_Vicinity\_Map.dwg [Layout1] 10/13/05 10:39am brobitaille XREFS:



MAP SOURCE: National Geographic Holdings, TOPOI 2001.



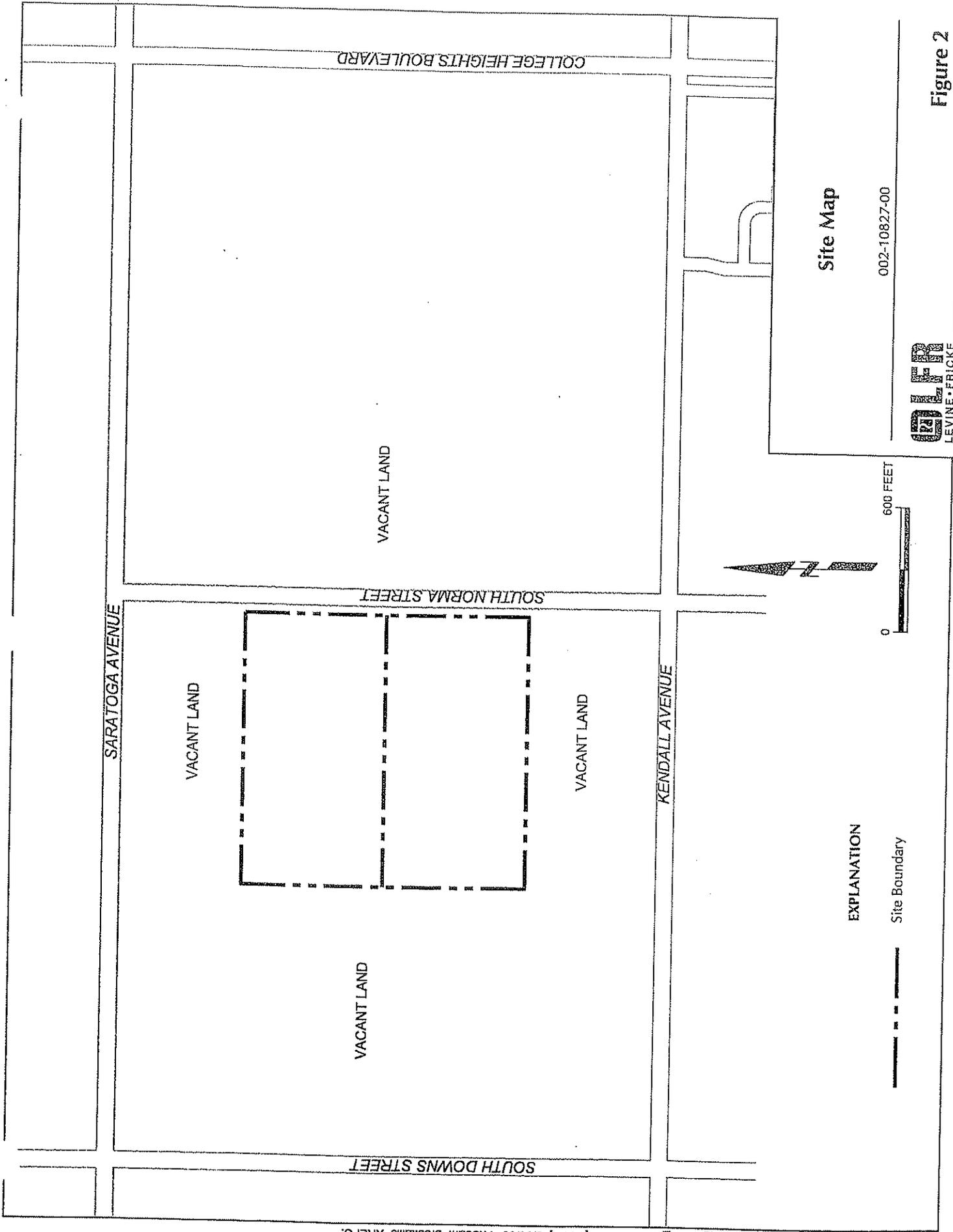
0 1,000 2,000 4,000 feet

Vicinity Map

002-10827-00



Figure 1



Site Map

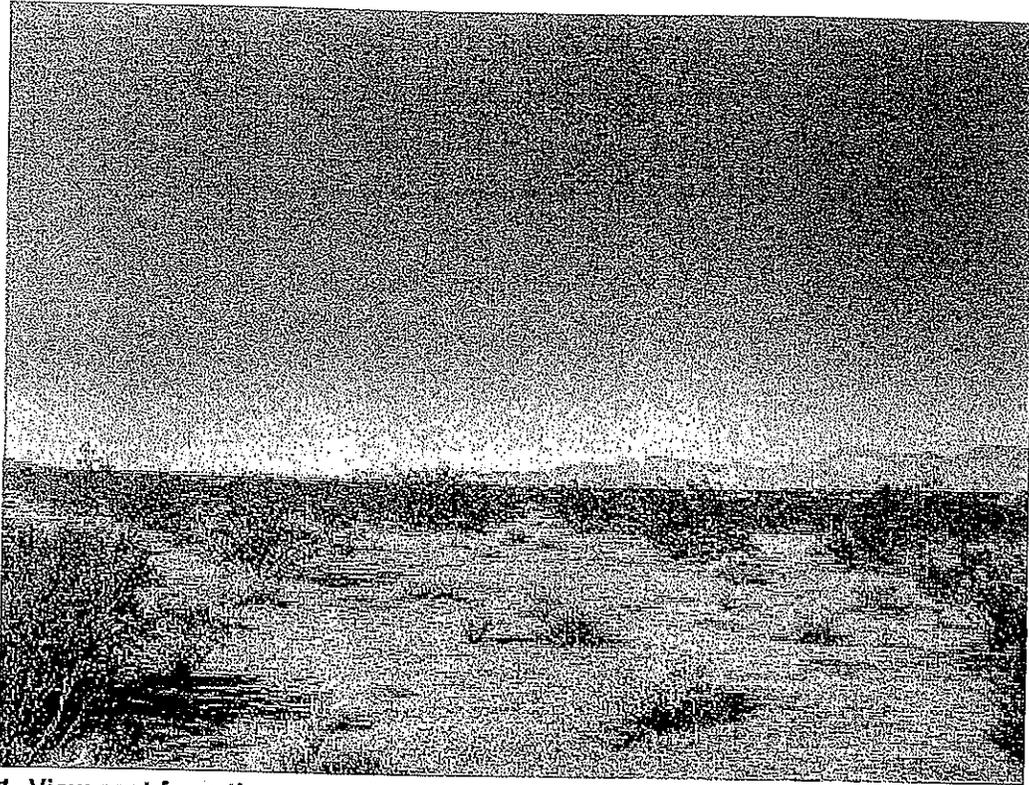
002-10827-00

**DLR**  
LEVINE • FRICKE

Figure 2

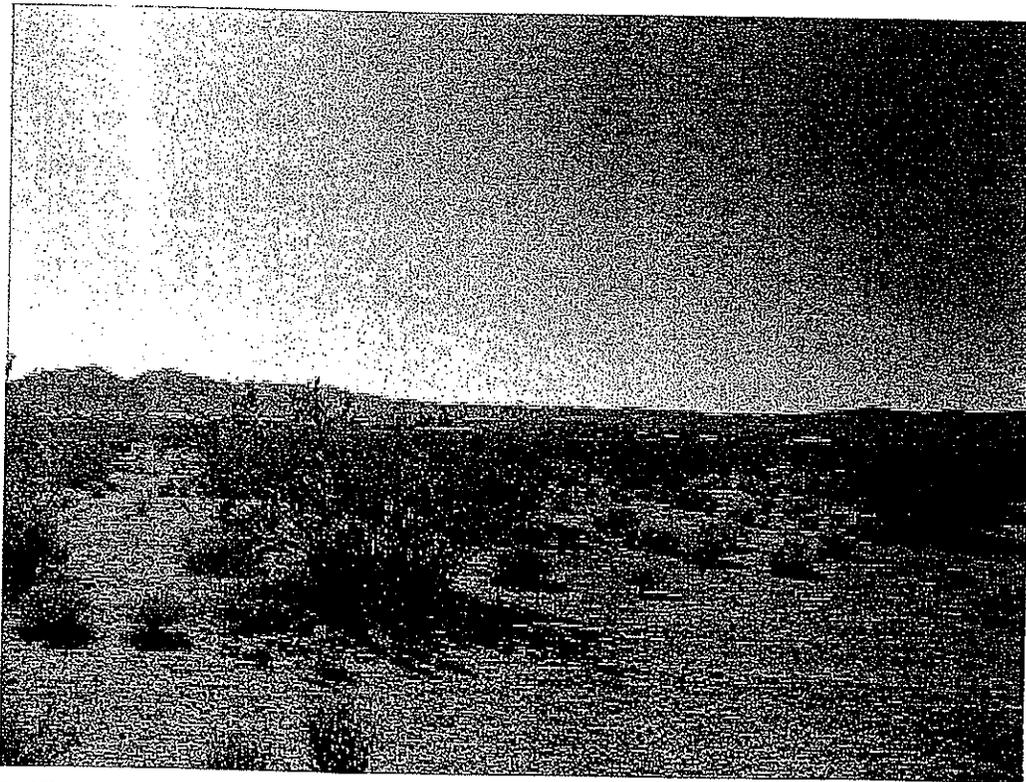
## **APPENDIX A**

### **Site Photographs**



1. View east from the northwest corner of the Site.

---

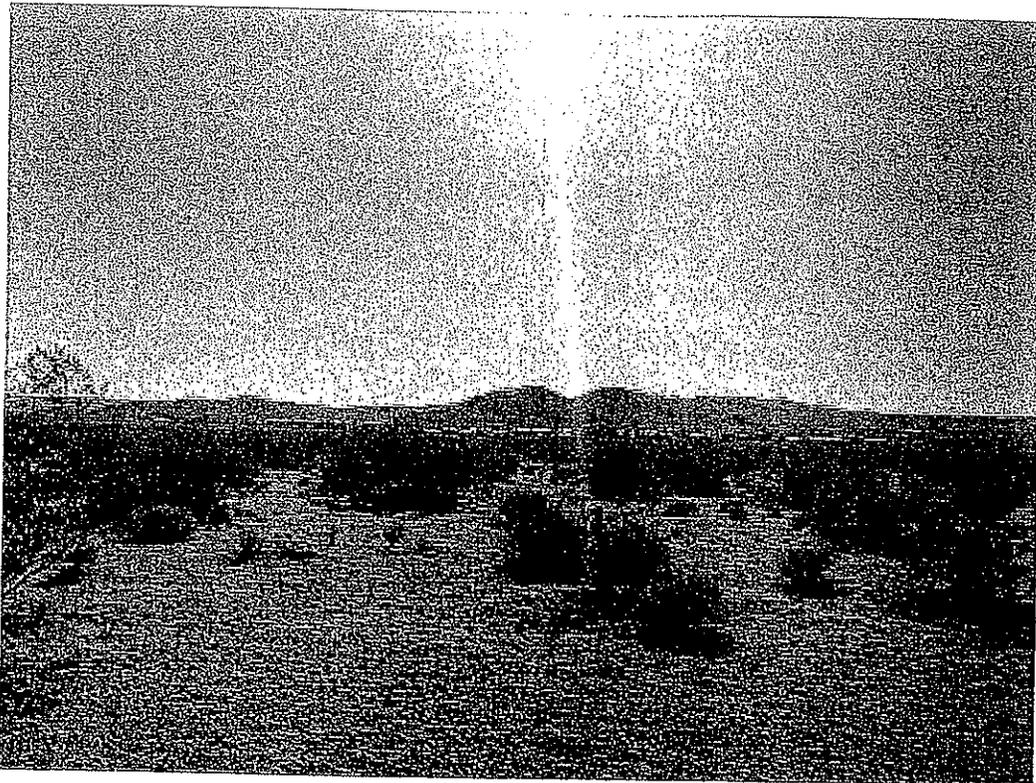


2. View south from the northern portion of the Site.

---

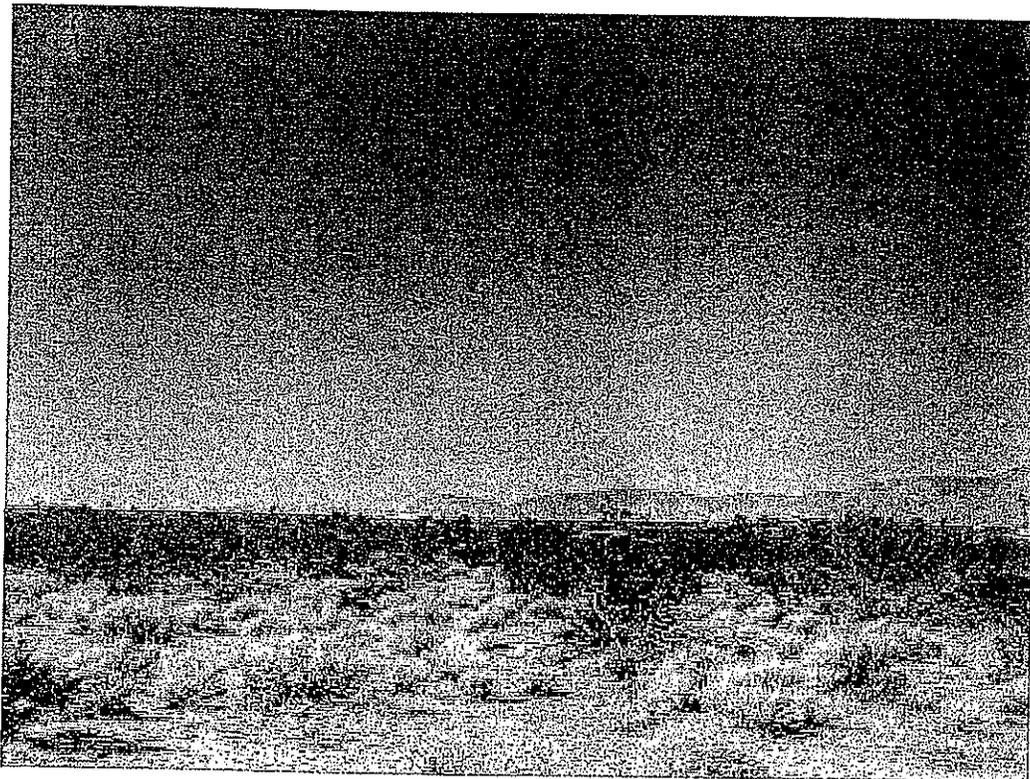
## Site Photographs

002-04601-60



3. View southwest from the northeast corner of the Site.

---

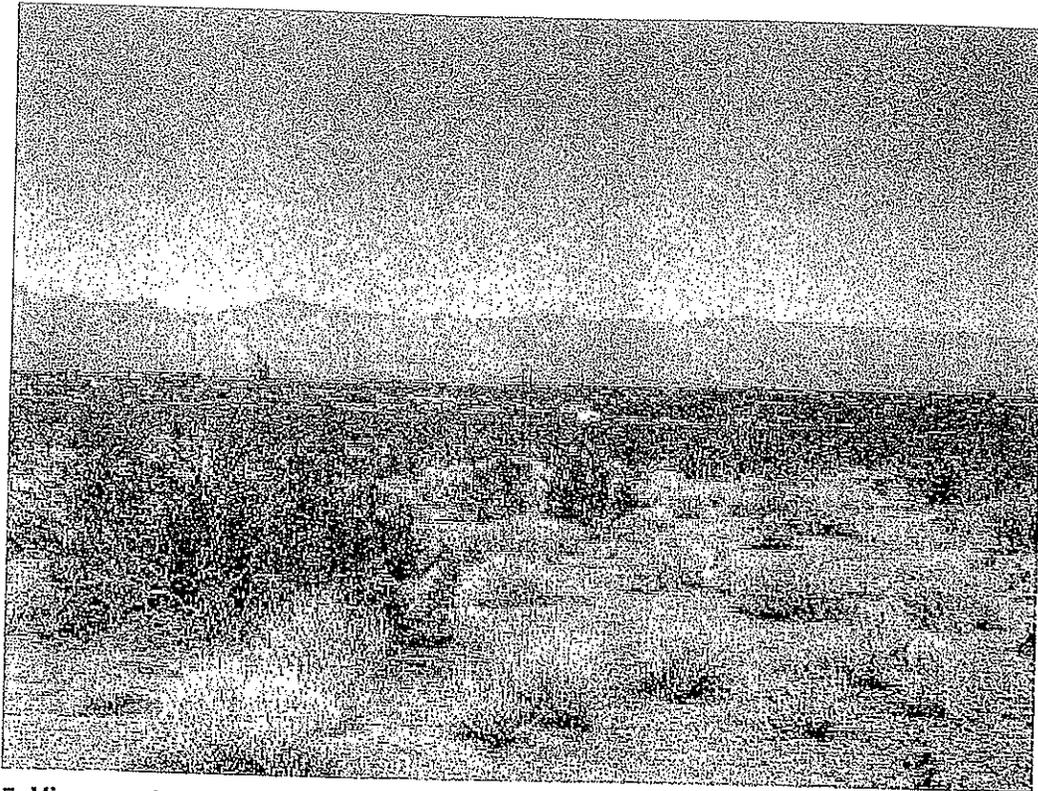


4. View east from the western portion of the Site.

---

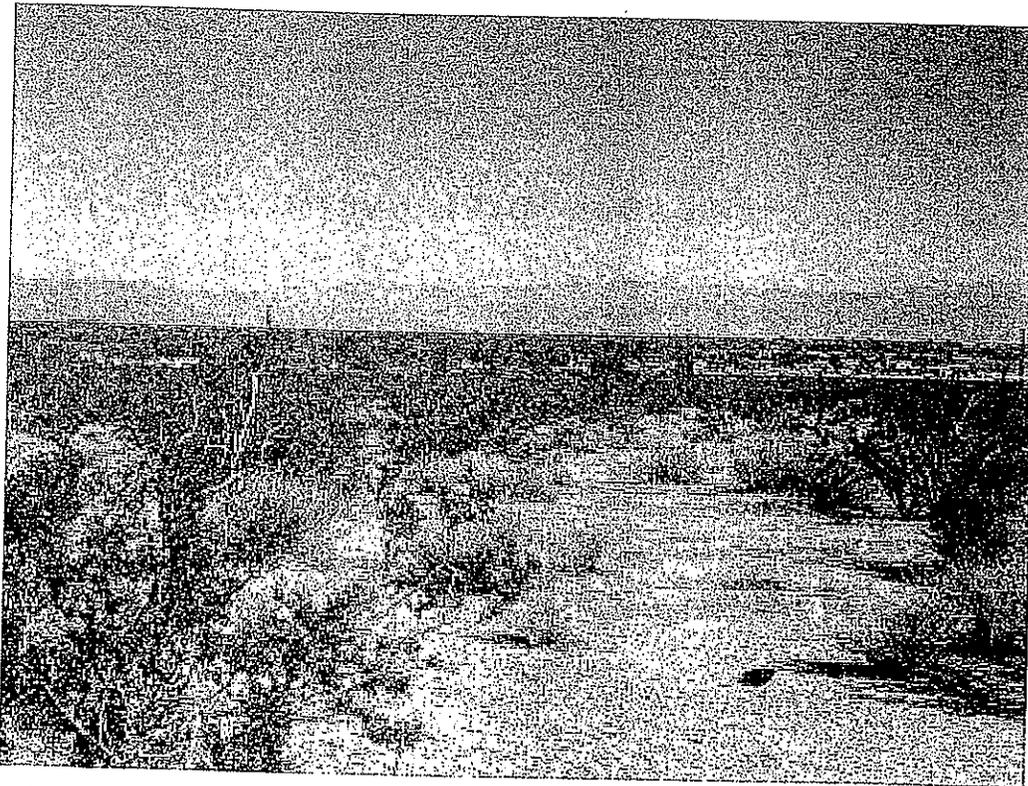
## Site Photographs

002-04601-60



5. View northeast from the southwest corner of the Site.

---

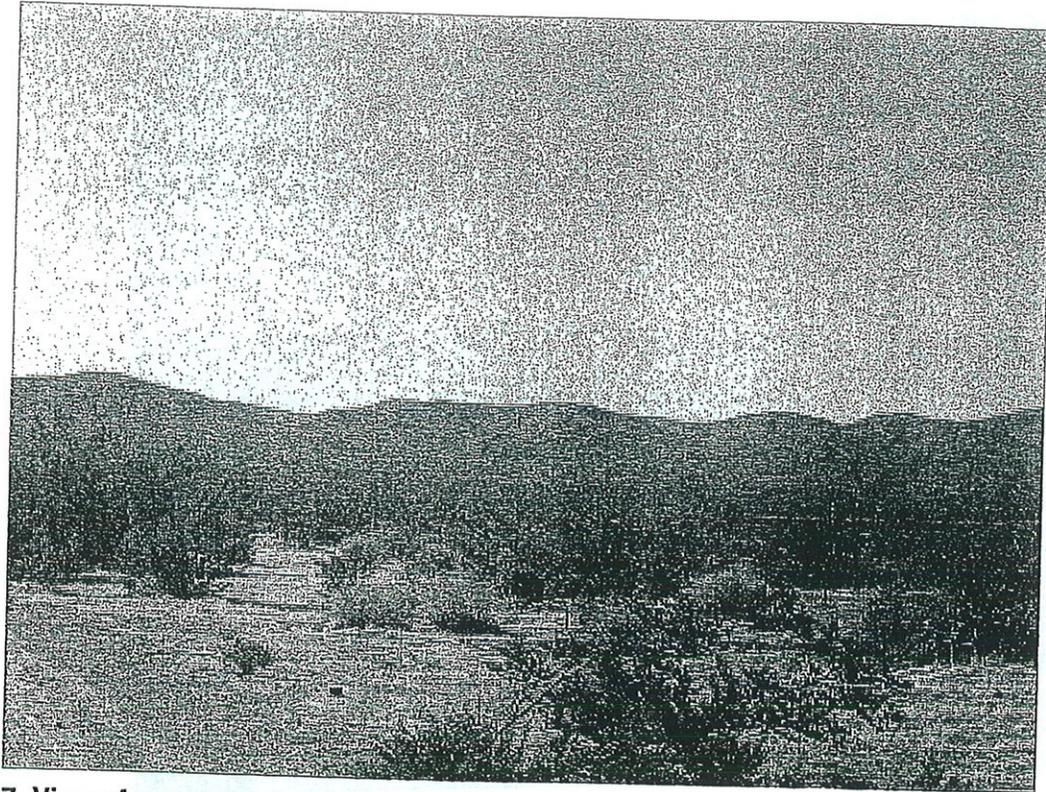


6. View southwest from the northeast corner of the Site.

---

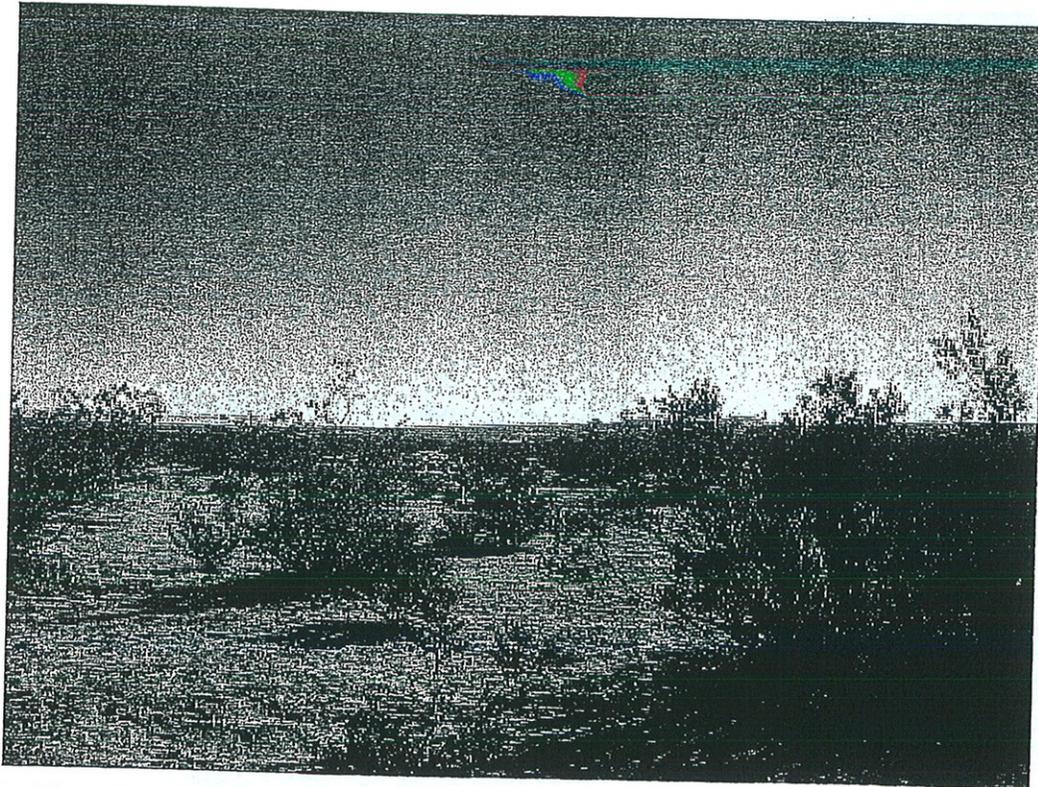
## Site Photographs

002-04601-60



7. View of vacant land south of the Site.

---

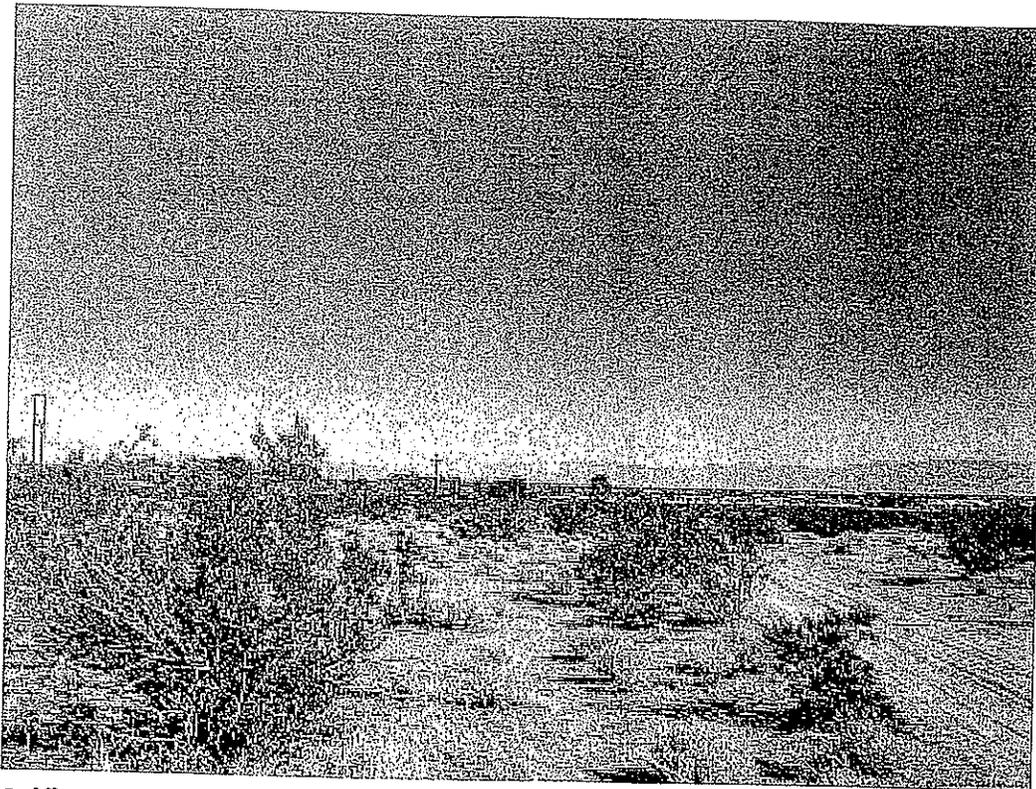


8. View of vacant land east of the Site.

---

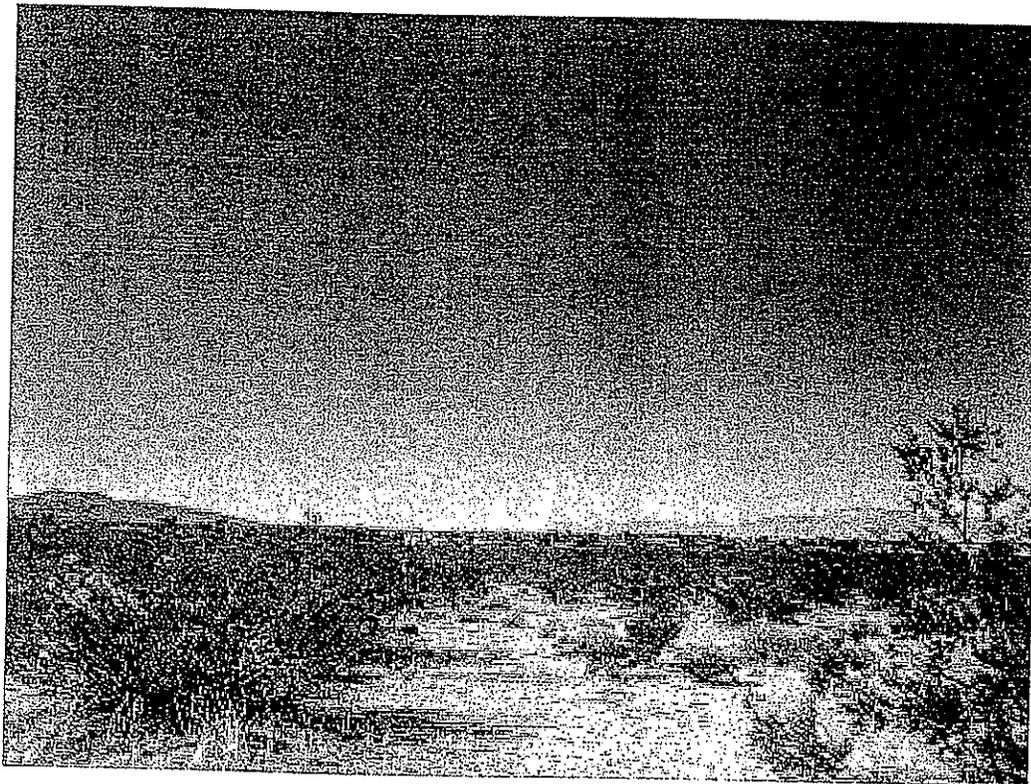
## Site Photographs

002-04601-60



9. View of vacant land north of the Site.

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10. View of vacant land west of the Site.

---

## Site Photographs

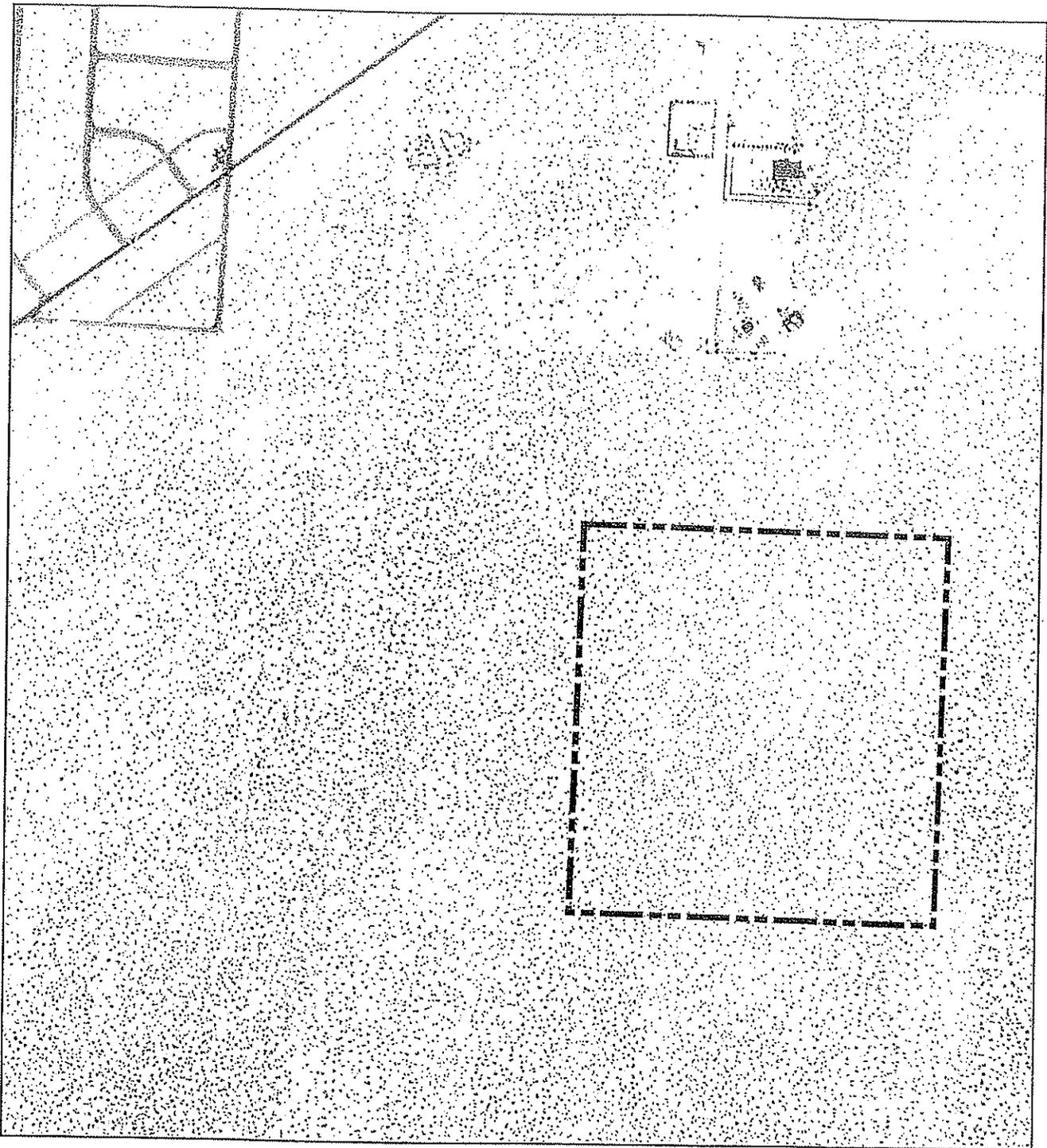
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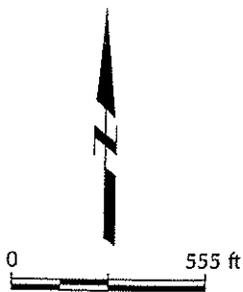
**APPENDIX B**

**Historic Records Documentation**

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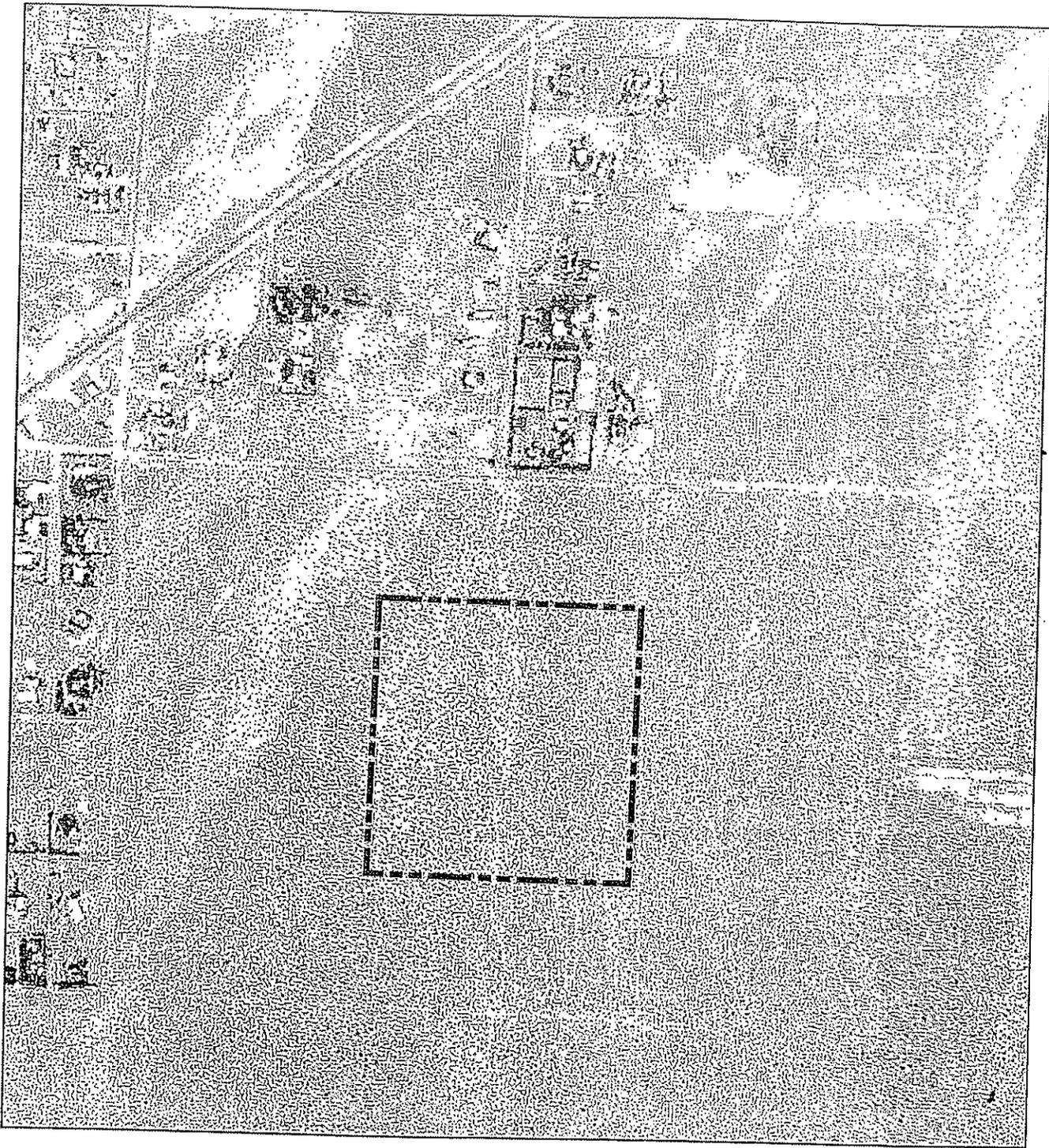


Explanation  
- - - - - Site Boundary



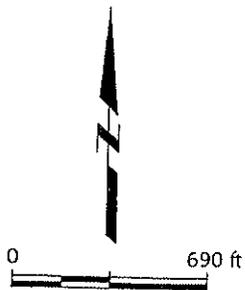
Aerial Photographs  
1952

002-10827-00



**Explanation**

----- Site Boundary



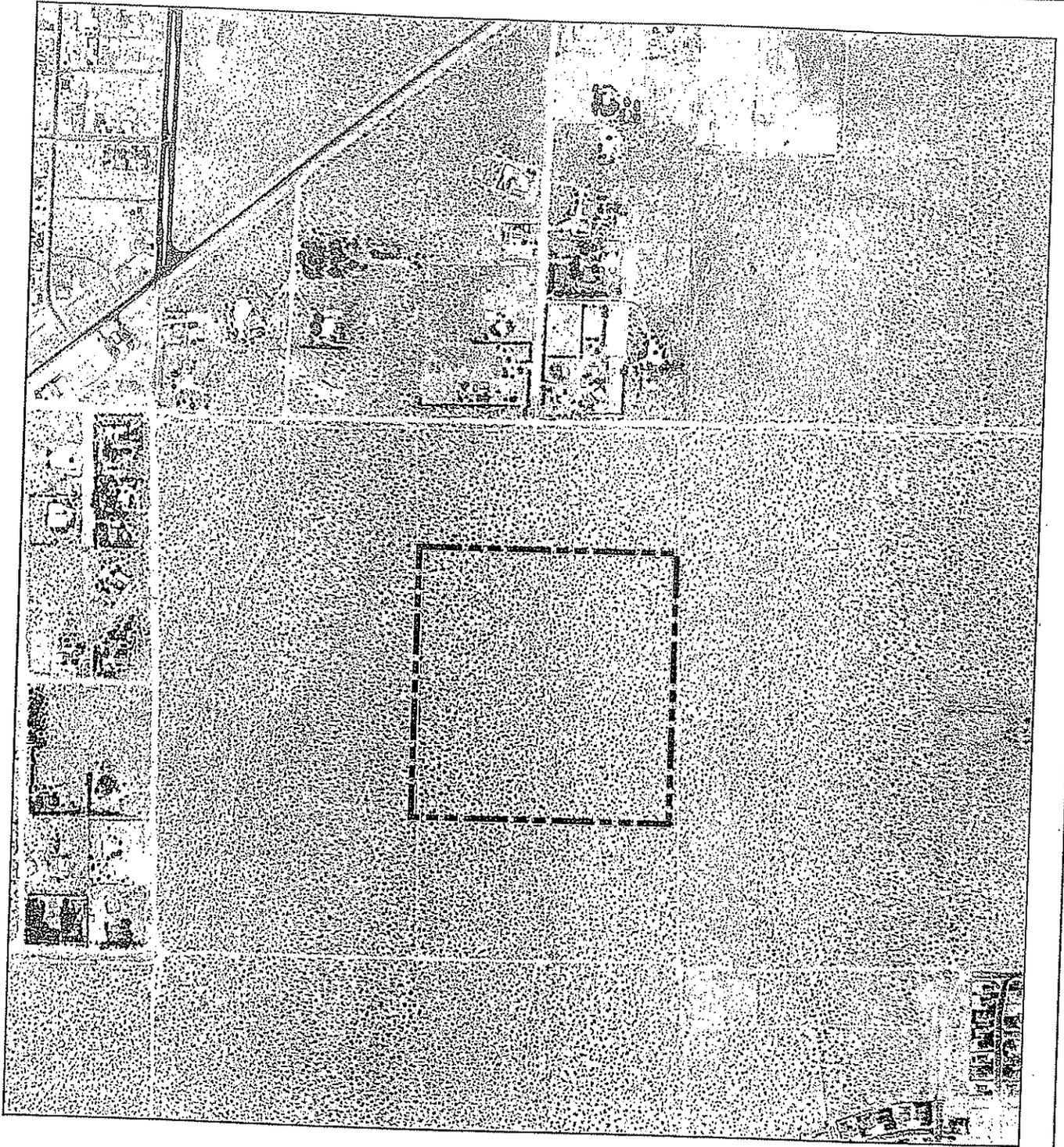
**Aerial Photographs  
1984**

002-10827-00

**LFR**  
LEVINE • FRICKE

**Figure 3b**

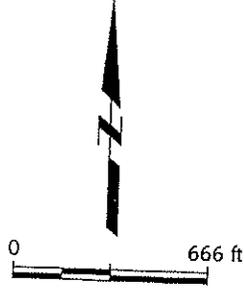
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K:\Data\Graphic  
102710827 Aerial 1994.ai

**Explanation**

----- Site Boundary

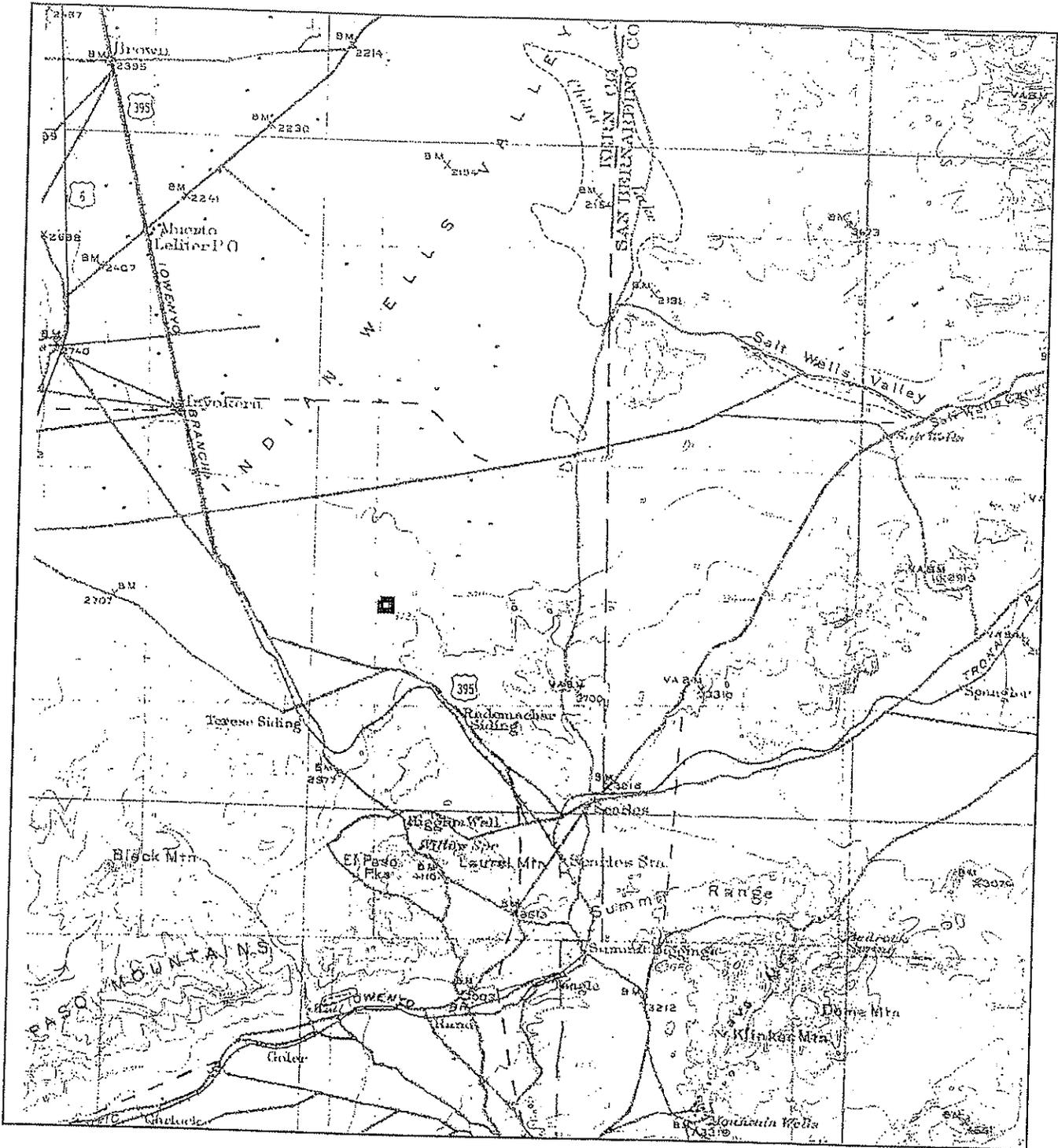


**Aerial Photographs  
1994**

002-10827-00

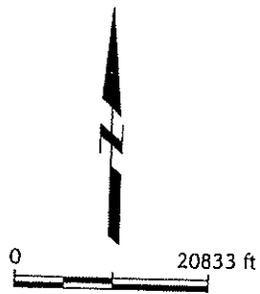


**Figure 3c**



**Explanation**

--- Site Boundary



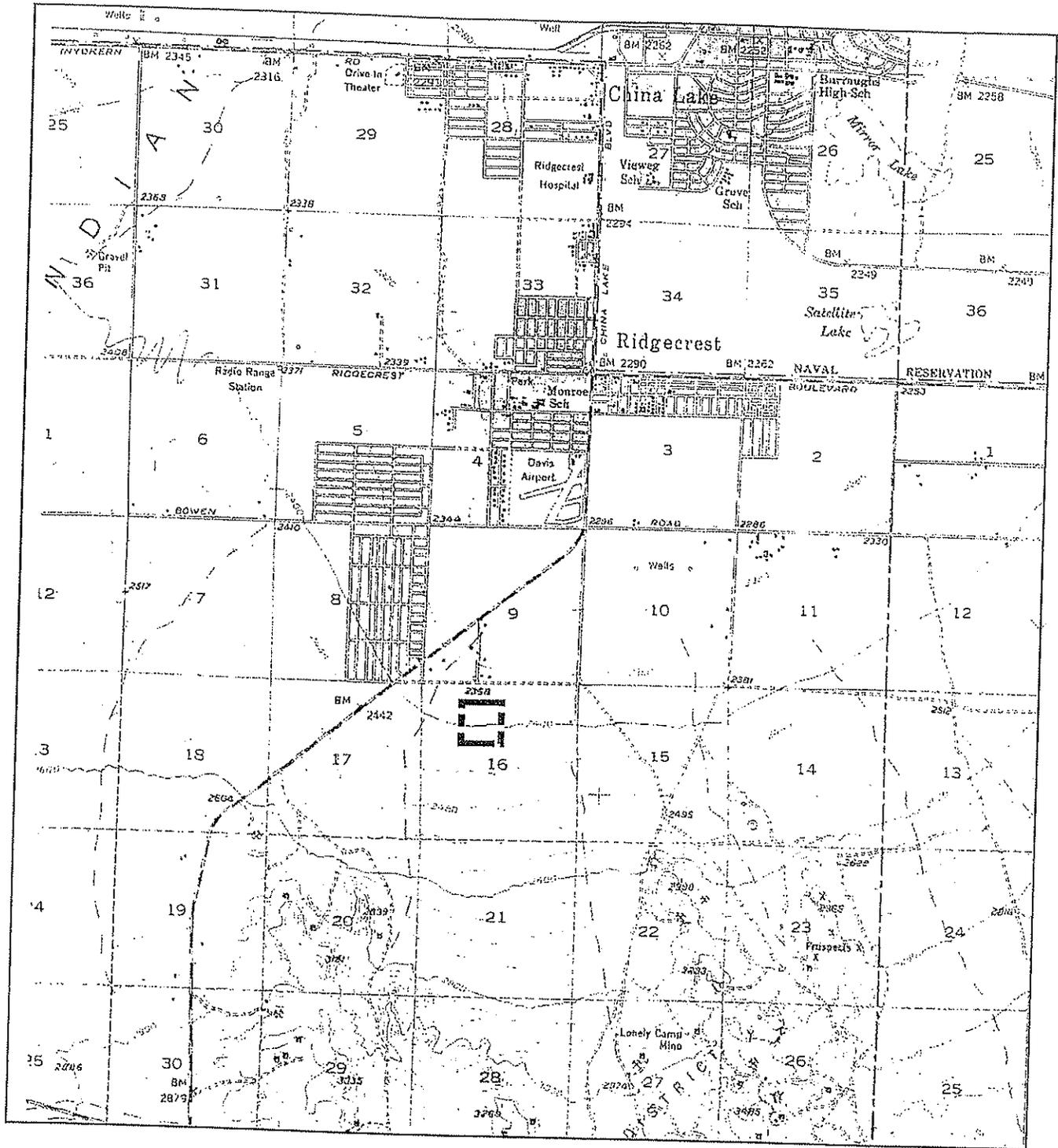
**Historic Topo  
1915**

002-10827-00

**LFR**  
LEVINE • FRICKE

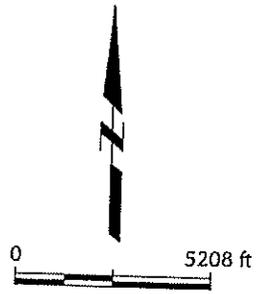
**Figure 4a**

K:\Data\Graphics\100000\0827\Topo\_1915.ai



**Explanation**

— Site Boundary



**Historic Topo  
1953**

002-10827-00

**LFR**  
LEVINE • FRICKE

**Figure 4b**





"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Dori Marsh  
LFR Levine Fricke  
3150 Bristol Street  
Costa Mesa, CA 92626

**Order Date:** 10/6/2005 **Completion Date:** 10/6/2005

**Inquiry #:** 1527574.3

**P.O. #:** NA

**Site Name:** Kendall Avenue/Norma Street

**Address:** Kendall Avenue/Norma Street

**City/State:** Ridgecrest, CA 93555

**Cross Streets:**

**Customer Project:** NA  
1014579TIM 714-444-0111

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

**NO COVERAGE**

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## **APPENDIX C**

### **Regulatory Records Documentation**



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Kendall Avenue/Norma Street  
Kendall Avenue/Norma Street  
Ridgecrest, CA 93555**

**Inquiry Number: 1527574.2s**

**October 06, 2005**

## **The Standard in Environmental Risk Management Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**

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

### Disclaimer - Copyright and Trademark Notice

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

KENDALL AVENUE/NORMA STREET  
RIDGECREST, CA 93555

#### COORDINATES

Latitude (North): 35.589400 - 35° 35' 21.8"  
Longitude (West): 117.681800 - 117° 40' 54.5"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 438232.1  
UTM Y (Meters): 3938423.0  
Elevation: 2400 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 35117-E6 RIDGECREST SOUTH, CA  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

#### FEDERAL ASTM STANDARD

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned  
CORRACTS..... Corrective Action Report  
RCRA-TSDF..... Resource Conservation and Recovery Act Information  
RCRA-LQG..... Resource Conservation and Recovery Act Information  
RCRA-SQG..... Resource Conservation and Recovery Act Information  
ERNS..... Emergency Response Notification System

#### STATE ASTM STANDARD

AWP..... Annual Workplan Sites

## EXECUTIVE SUMMARY

Cal-Sites.....	Calsites Database
CHMIRS.....	California Hazardous Material Incident Report System
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
Notify 65.....	Proposition 65 Records
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWF/IF.....	Solid Waste Information System
WMUDS/SWAT.....	Waste Management Unit Database
LUST.....	Geotracker's Leaking Underground Fuel Tank Report
CA BOND EXP. PLAN.....	Bond Expenditure Plan
UST.....	Active UST Facilities
VCP.....	Voluntary Cleanup Program Properties
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
CA FID UST.....	Facility Inventory Database
HIST UST.....	Hazardous Substance Storage Container Database
SWEEPS UST.....	SWEEPS UST Listing

### FEDERAL ASTM SUPPLEMENTAL

CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
Delisted NPL.....	National Priority List Deletions
FINDS.....	Facility Index System/Facility Registry System
HMIRS.....	Hazardous Materials Information Reporting System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
NPL Liens.....	Federal Superfund Liens
PADS.....	PCB Activity Database System
US ENG CONTROLS.....	Engineering Controls Sites List
ODI.....	Open Dump Inventory
DOD.....	Department of Defense Sites
INDIAN RESERV.....	Indian Reservations
UMTRA.....	Uranium Mill Tailings Sites
FUDS.....	Formerly Used Defense Sites
RAATS.....	RCRA Administrative Action Tracking System
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
FTTS INSP.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

AST.....	Aboveground Petroleum Storage Tank Facilities
CLEANERS.....	Cleaner Facilities
CA WDS.....	Waste Discharge System
DEED.....	Deed Restriction Listing
REF.....	Unconfirmed Properties Referred to Another Agency
WIP.....	Well Investigation Program Case List
EMI.....	Emissions Inventory Data
NFA.....	No Further Action Determination
NFE.....	Properties Needing Further Evaluation
SCH.....	School Property Evaluation Program
SLIC.....	Statewide SLIC Cases

## EXECUTIVE SUMMARY

HAZNET..... Facility and Manifest Data

### BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites  
US INST CONTROL..... Sites with Institutional Controls  
VCP..... Voluntary Cleanup Program Properties

### EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

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

### EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

## EXECUTIVE SUMMARY

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

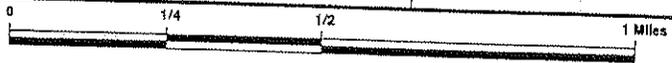
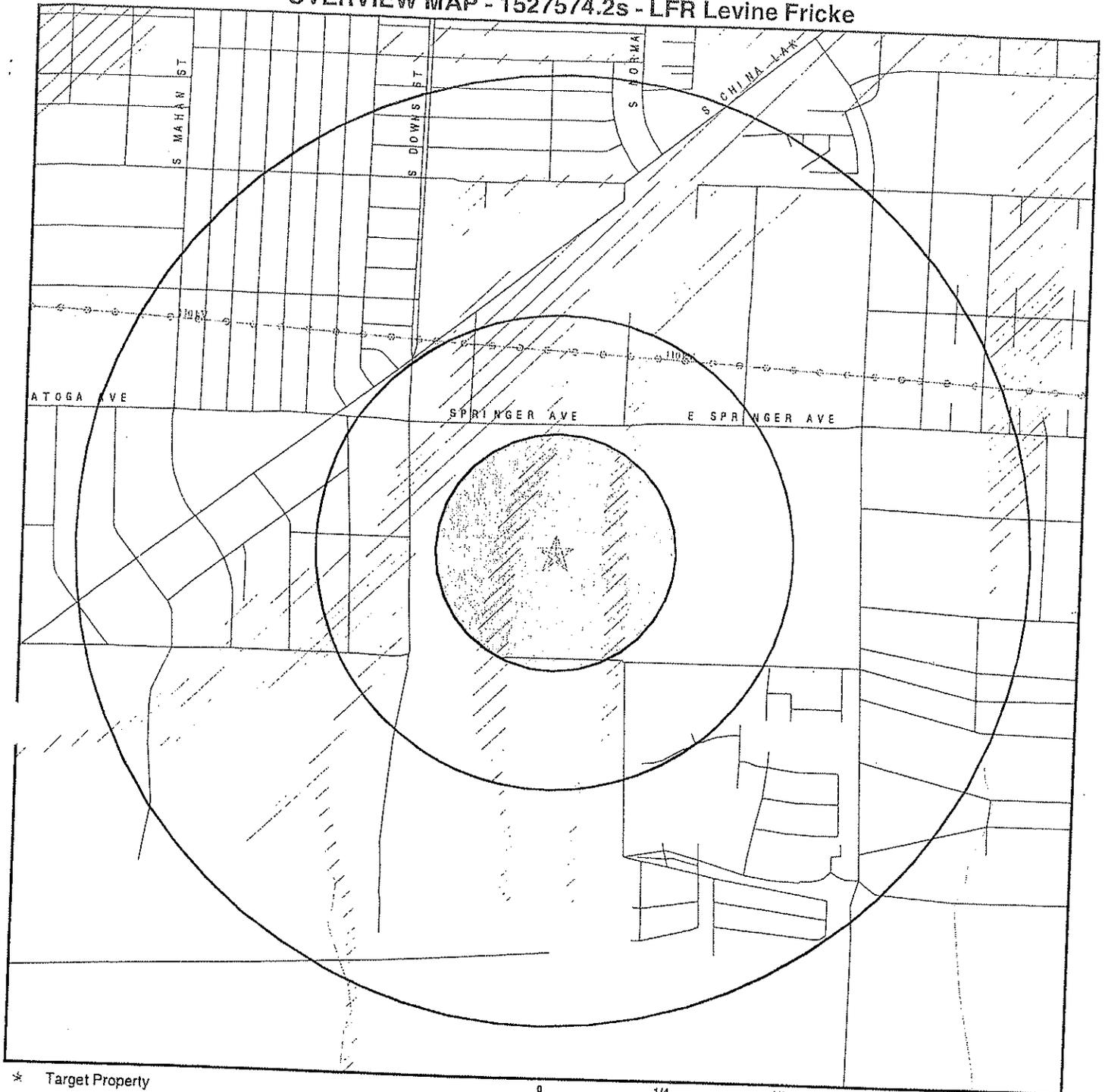
Site Name

CUDDEBACK LAKE AIR FORCE RANGE  
ORO LTD MINE/MILL

Database(s)

Cal-Sites, AWP  
WMUDS/SWAT

# OVERVIEW MAP - 1527574.2s - LFR Levine Fricke



- \* Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

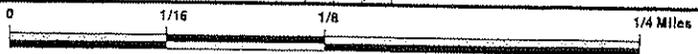
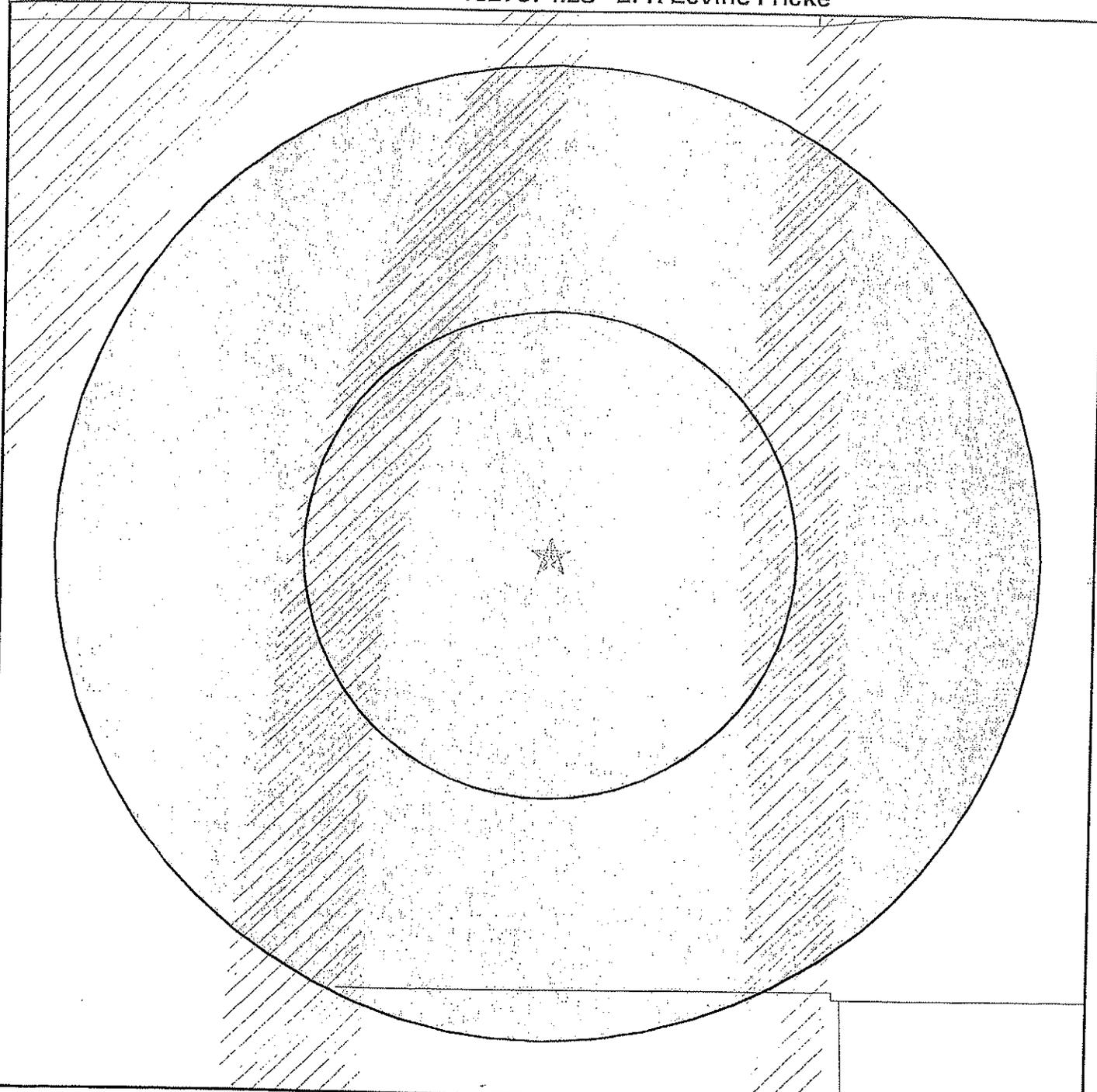
- Indian Reservations BIA
- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone

■ Areas of Concern



<b>TARGET PROPERTY:</b> ADDRESS: Kendall Avenue/Norma Street CITY/STATE/ZIP: Ridgecrest CA 93555 LAT/LONG: 35.5894 / 117.6818	<b>CUSTOMER:</b> LFR Levine Fricke <b>CONTACT:</b> Dori Marsh <b>INQUIRY #:</b> 1527574.2s <b>DATE:</b> October 06, 2005 8:13 pm
--	---

# DETAIL MAP - 1527574.2s - LFR Levine Fricke



- \* Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Historical Gas Stations / Historical Dry Cleaners  
See the EDR Proprietary Historical Map Findings
- ★ Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- W Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern



<b>TARGET PROPERTY:</b> ADDRESS: Kendall Avenue/Norma Street CITY/STATE/ZIP: Ridgecrest CA 93555 LAT/LONG: 35.5894 / 117.6818	<b>CUSTOMER:</b> LFR Levine Fricke <b>CONTACT:</b> Dori Marsh <b>INQUIRY #:</b> 1527574.2s <b>DATE:</b> October 06, 2005 8:13 pm	
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## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
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><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	0	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
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		TP	NR	NR	NR	NR	NR	0
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
<b><u>EDR PROPRIETARY HISTORICAL DATABASES</u></b>								
Gas Stations/Dry Cleaners		0.250	0	0	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0
<b><u>BROWNFIELDS DATABASES</u></b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

**NOTES:**

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

NO SITES FOUND

Site  

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Database(s) EDR ID Number  
EPA ID Number

MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
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Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.  
EDR Historical Gas Station & Dry Cleaner Search: No mapped sites were found in EDR's search of the EDR Historical Gas Station & Dry Cleaner Database within 0.250 mile of the Target Property.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIDGECREST RIDGECREST	S106800179 S103866747	CUDDEBACK LAKE AIR FORCE RANGE ORO LTD MINE/MILL	RIDGECREST HWY 14 NORTH OF MOJAVE	93555 93555	Cal-Sites, AWP WMUDS/SWAT

# 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 this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## FEDERAL ASTM STANDARD RECORDS

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	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 3  
Telephone 215-814-5418

EPA Region 4  
Telephone 404-562-8033

EPA Region 6  
Telephone: 214-655-6659

EPA Region 8  
Telephone: 303-312-6774

### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 04/27/05	Source: EPA
Date Data Arrived at EDR: 05/04/05	Telephone: N/A
Date Made Active in Reports: 05/16/05	Last EDR Contact: 08/05/05
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

### **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: 06/27/05	Source: EPA
Date Data Arrived at EDR: 07/22/05	Telephone: 703-413-0223
Date Made Active in Reports: 08/17/05	Last EDR Contact: 09/20/05
Number of Days to Update: 26	Next Scheduled EDR Contact: 12/19/05
	Data Release Frequency: Quarterly

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/17/05  
Date Data Arrived at EDR: 06/20/05  
Date Made Active in Reports: 08/17/05  
Number of Days to Update: 58

Source: EPA  
Telephone: 703-413-0223  
Last EDR Contact: 09/20/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Quarterly

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05  
Date Data Arrived at EDR: 07/05/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 34

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05  
Date Data Arrived at EDR: 08/23/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 44

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 08/23/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Quarterly

## **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: 12/31/04  
Date Data Arrived at EDR: 01/27/05  
Date Made Active in Reports: 03/24/05  
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Annually

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **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: 12/31/03  
Date Data Arrived at EDR: 06/17/05  
Date Made Active in Reports: 08/04/05  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/12/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04  
Date Data Arrived at EDR: 02/15/05  
Date Made Active in Reports: 04/25/05  
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
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: 06/08/05  
Date Data Arrived at EDR: 07/11/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 28

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 07/06/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Annually

## DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05  
Date Data Arrived at EDR: 08/03/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 19

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/03/05  
Next Scheduled EDR Contact: 10/31/05  
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: 07/11/05  
Date Data Arrived at EDR: 07/19/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 20

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Quarterly

## HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05  
Date Data Arrived at EDR: 07/22/05  
Date Made Active in Reports: 09/01/05  
Number of Days to Update: 41

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 07/22/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Annually

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/14/05  
Date Data Arrived at EDR: 07/22/05  
Date Made Active in Reports: 08/22/05  
Number of Days to Update: 31

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Quarterly

## **MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/13/05  
Date Data Arrived at EDR: 06/27/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Semi-Annually

## **NPL LIENS:** Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91  
Date Data Arrived at EDR: 02/02/94  
Date Made Active in Reports: 03/30/94  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: No Update Planned

## **PADS:** PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/05  
Date Data Arrived at EDR: 05/10/05  
Date Made Active in Reports: 05/24/05  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-564-3887  
Last EDR Contact: 08/25/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Annually

## **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: 10/01/03  
Date Data Arrived at EDR: 11/12/03  
Date Made Active in Reports: 11/21/03  
Number of Days to Update: 9

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 08/09/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Semi-Annually

## **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. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04  
Date Data Arrived at EDR: 01/07/05  
Date Made Active in Reports: 03/14/05  
Number of Days to Update: 66

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 06/30/85  
Date Data Arrived at EDR: 08/09/04  
Date Made Active in Reports: 09/17/04  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 05/23/95  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### 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: 12/31/04  
Date Data Arrived at EDR: 06/29/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 06/29/05  
Next Scheduled EDR Contact: 10/03/05  
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: 10/01/03  
Date Data Arrived at EDR: 11/12/03  
Date Made Active in Reports: 11/21/03  
Number of Days to Update: 9

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 08/09/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Semi-Annually

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05  
Date Data Arrived at EDR: 08/12/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 55

Source: Environmental Protection Agency  
Telephone: 703-603-8867  
Last EDR Contact: 10/03/05  
Next Scheduled EDR Contact: 01/02/06  
Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95  
Date Data Arrived at EDR: 07/03/95  
Date Made Active in Reports: 08/07/95  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: No Update Planned

### 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: 12/31/03  
Date Data Arrived at EDR: 07/13/05  
Date Made Active in Reports: 08/17/05  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 12/31/02	Source: EPA
Date Data Arrived at EDR: 04/27/04	Telephone: 202-260-5521
Date Made Active in Reports: 05/21/04	Last EDR Contact: 07/18/05
Number of Days to Update: 24	Next Scheduled EDR Contact: 10/17/05
	Data Release Frequency: Every 4 Years

## **FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**

Date of Government Version: 07/15/05	Source: EPA
Date Data Arrived at EDR: 07/25/05	Telephone: 202-566-1667
Date Made Active in Reports: 08/22/05	Last EDR Contact: 09/19/05
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/19/05
	Data Release Frequency: Quarterly

## **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: 12/31/03	Source: EPA
Date Data Arrived at EDR: 01/03/05	Telephone: 202-564-4203
Date Made Active in Reports: 01/25/05	Last EDR Contact: 07/18/05
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/17/05
	Data Release Frequency: Annually

## **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: 07/15/05	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/25/05	Telephone: 202-566-1667
Date Made Active in Reports: 08/22/05	Last EDR Contact: 09/19/05
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/19/05
	Data Release Frequency: Quarterly

## **STATE OF CALIFORNIA ASTM STANDARD RECORDS**

### **AWP: Annual Workplan Sites**

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 08/08/05	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 08/29/05	Telephone: 916-323-3400
Date Made Active in Reports: 09/21/05	Last EDR Contact: 08/29/05
Number of Days to Update: 23	Next Scheduled EDR Contact: 11/28/05
	Data Release Frequency: Annually

### **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/21/05  
Number of Days to Update: 23

Source: Department of Toxic Substance Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

## **CHMIRS:** California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03  
Date Data Arrived at EDR: 05/18/04  
Date Made Active in Reports: 06/25/04  
Number of Days to Update: 38

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Varies

## **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: 04/01/01  
Date Data Arrived at EDR: 05/29/01  
Date Made Active in Reports: 07/26/01  
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-9100  
Last EDR Contact: 07/26/05  
Next Scheduled EDR Contact: 10/24/05  
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: 10/21/93  
Date Data Arrived at EDR: 11/01/93  
Date Made Active in Reports: 11/19/93  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 07/19/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: No Update Planned

## **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: 07/01/95  
Date Data Arrived at EDR: 08/30/95  
Date Made Active in Reports: 09/26/95  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 08/01/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: No Update Planned

## **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: 09/12/05  
Date Data Arrived at EDR: 09/13/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 23

Source: Integrated Waste Management Board  
Telephone: 916-341-6320  
Last EDR Contact: 09/13/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Quarterly

## **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/00  
Date Data Arrived at EDR: 04/10/00  
Date Made Active in Reports: 05/10/00  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

**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.

Date of Government Version: 07/11/05  
Date Data Arrived at EDR: 07/12/05  
Date Made Active in Reports: 08/03/05  
Number of Days to Update: 22

Source: State Water Resources Control Board  
Contact: Kern County Environmental Health, (661) 862-8700  
Last EDR Contact: 07/12/05  
Next Scheduled EDR Contact: 10/10/05  
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: 02/01/01  
Date Data Arrived at EDR: 02/28/01  
Date Made Active in Reports: 03/29/01  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: No Update Planned

**LUST REG 2:** Fuel Leak List

Date of Government Version: 09/30/04  
Date Data Arrived at EDR: 10/20/04  
Date Made Active in Reports: 11/19/04  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 07/11/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Quarterly

**LUST REG 3:** Leaking Underground Storage Tank Database

Date of Government Version: 05/19/03  
Date Data Arrived at EDR: 05/19/03  
Date Made Active in Reports: 06/02/03  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 08/15/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: No Update Planned

**LUST REG 4:** Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/04  
Date Data Arrived at EDR: 09/07/04  
Date Made Active in Reports: 10/12/04  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: No Update Planned

**LUST REG 5:** Leaking Underground Storage Tank Database

Date of Government Version: 07/01/05  
Date Data Arrived at EDR: 08/02/05  
Date Made Active in Reports: 09/01/05  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 07/08/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 09/09/03  
Date Data Arrived at EDR: 09/10/03  
Date Made Active in Reports: 10/07/03  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 916-542-5424  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Date of Government Version: 06/07/05  
Date Data Arrived at EDR: 06/07/05  
Date Made Active in Reports: 06/29/05  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-346-7491  
Last EDR Contact: 07/08/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: No Update Planned

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

Date of Government Version: 02/26/04  
Date Data Arrived at EDR: 02/26/04  
Date Made Active in Reports: 03/24/04  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-346-7491  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/05  
Date Data Arrived at EDR: 02/15/05  
Date Made Active in Reports: 03/28/05  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-4130  
Last EDR Contact: 08/08/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Varies

## 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: 03/01/01  
Date Data Arrived at EDR: 04/23/01  
Date Made Active in Reports: 05/21/01  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: No Update Planned

## 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: 01/01/89  
Date Data Arrived at EDR: 07/27/94  
Date Made Active in Reports: 08/02/94  
Number of Days to Update: 6

Source: Department of Health Services  
Telephone: 916-255-2118  
Last EDR Contact: 05/31/94  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## CA UST:

### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/05  
Date Data Arrived at EDR: 07/12/05  
Date Made Active in Reports: 08/11/05  
Number of Days to Update: 30

Source: SWRCB  
Contact: Kern County Environmental Health, (661) 862-8700  
Last EDR Contact: 07/12/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Semi-Annually

## VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have requested that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/21/05  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

## INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/18/05  
Date Data Arrived at EDR: 05/16/05  
Date Made Active in Reports: 05/31/05  
Number of Days to Update: 15

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 08/25/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Varies

## INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05  
Date Data Arrived at EDR: 06/03/05  
Date Made Active in Reports: 07/01/05  
Number of Days to Update: 28

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 08/25/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Varies

## INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/14/05  
Date Data Arrived at EDR: 06/14/05  
Date Made Active in Reports: 07/15/05  
Number of Days to Update: 31

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 08/25/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Varies

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94  
Date Data Arrived at EDR: 09/05/95  
Date Made Active in Reports: 09/29/95  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/98  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90  
Date Data Arrived at EDR: 01/25/91  
Date Made Active in Reports: 02/12/91  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/01  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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 1980?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: 06/01/94  
Date Data Arrived at EDR: 07/07/05  
Date Made Active in Reports: 08/11/05  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/05  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS**

### **AST: Aboveground Petroleum Storage Tank Facilities** Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/05  
Date Data Arrived at EDR: 08/25/05  
Date Made Active in Reports: 09/30/05  
Number of Days to Update: 36

Source: State Water Resources Control Board  
Telephone: 916-341-5712  
Last EDR Contact: 08/16/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Quarterly

### **CLEANERS: 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: 04/18/05  
Date Data Arrived at EDR: 04/18/05  
Date Made Active in Reports: 05/06/05  
Number of Days to Update: 18

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Annually

### **CA WDS: Waste Discharge System**

Sites which have been issued waste discharge requirements.

Date of Government Version: 09/19/05  
Date Data Arrived at EDR: 09/20/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 16

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 09/20/05  
Next Scheduled EDR Contact: 12/19/05  
Data Release Frequency: Quarterly

### **DEED: Deed Restriction Listing**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/02/05  
Date Data Arrived at EDR: 08/02/05  
Date Made Active in Reports: 09/01/05  
Number of Days to Update: 30

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Semi-Annually

## NFA: No Further Action Determination

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 38

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/03  
Date Data Arrived at EDR: 07/19/05  
Date Made Active in Reports: 08/11/05  
Number of Days to Update: 23

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 07/19/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Varies

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/27/05  
Date Data Arrived at EDR: 07/28/05  
Date Made Active in Reports: 08/11/05  
Number of Days to Update: 14

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Varies

## REF: Unconfirmed Properties Referred to Another Agency

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 38

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 38

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

## NFE: Properties Needing Further Evaluation

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/21/05  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

## SLIC: Statewide SLIC Cases

The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 07/11/05  
Date Data Arrived at EDR: 07/12/05  
Date Made Active in Reports: 08/03/05  
Number of Days to Update: 22

Source: State Water Resources Control Board  
Contact: Kern County Environmental Health, (661) 862-8700  
Last EDR Contact: 07/12/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

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

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/04  
Date Data Arrived at EDR: 10/20/04  
Date Made Active in Reports: 11/19/04  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 07/11/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 08/19/05  
Date Data Arrived at EDR: 08/22/05  
Date Made Active in Reports: 09/21/05  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 08/15/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/04  
Date Data Arrived at EDR: 11/18/04  
Date Made Active in Reports: 01/04/05  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/05  
Date Data Arrived at EDR: 04/05/05  
Date Made Active in Reports: 04/21/05  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 07/08/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Semi-Annually

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

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

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Semi-Annually

## SLIC REG 6L: SLIC Sites

Date of Government Version: 09/07/04  
Date Data Arrived at EDR: 09/07/04  
Date Made Active in Reports: 10/12/04  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

Date of Government Version: 11/24/04  
Date Data Arrived at EDR: 11/29/04  
Date Made Active in Reports: 01/04/05  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 07/01/04  
Date Data Arrived at EDR: 08/10/04  
Date Made Active in Reports: 09/08/04  
Number of Days to Update: 29

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Semi-Annually

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

Date of Government Version: 06/27/05  
Date Data Arrived at EDR: 06/27/05  
Date Made Active in Reports: 07/21/05  
Number of Days to Update: 24

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 09/26/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Annually

## 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: 12/31/02  
Date Data Arrived at EDR: 11/24/03  
Date Made Active in Reports: 01/08/04  
Number of Days to Update: 45

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 08/23/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOCAL RECORDS

### ALAMEDA COUNTY:

#### Underground Tanks

Date of Government Version: 06/28/05  
Date Data Arrived at EDR: 06/28/05  
Date Made Active in Reports: 07/26/05  
Number of Days to Update: 28

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 06/28/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Semi-Annually

#### Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/16/05  
Date Data Arrived at EDR: 08/16/05  
Date Made Active in Reports: 09/01/05  
Number of Days to Update: 16

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
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: 08/29/05  
Date Data Arrived at EDR: 08/30/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 37

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
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.

Date of Government Version: 07/22/05  
Date Data Arrived at EDR: 07/25/05  
Date Made Active in Reports: 08/25/05  
Number of Days to Update: 31

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 11/07/05  
Data Release Frequency: Semi-Annually

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 05/10/05  
Date Data Arrived at EDR: 05/10/05  
Date Made Active in Reports: 06/06/05  
Number of Days to Update: 27

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 09/26/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES COUNTY:

### List of Solid Waste Facilities

Date of Government Version: 02/01/05  
Date Data Arrived at EDR: 02/18/05  
Date Made Active in Reports: 03/28/05  
Number of Days to Update: 38

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 08/18/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: Varies

### City of El Segundo Underground Storage Tank

Date of Government Version: 08/29/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/28/05  
Number of Days to Update: 30

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: Semi-Annually

### City of Long Beach Underground Storage Tank

Date of Government Version: 03/28/03  
Date Data Arrived at EDR: 10/23/03  
Date Made Active in Reports: 11/26/03  
Number of Days to Update: 34

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Annually

### City of Torrance Underground Storage Tank

Date of Government Version: 08/16/05  
Date Data Arrived at EDR: 09/14/05  
Date Made Active in Reports: 09/28/05  
Number of Days to Update: 14

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 08/15/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: Semi-Annually

### City of Los Angeles Landfills

Date of Government Version: 03/01/05  
Date Data Arrived at EDR: 03/18/05  
Date Made Active in Reports: 04/08/05  
Number of Days to Update: 21

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 09/13/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Varies

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/28/05  
Date Data Arrived at EDR: 07/08/05  
Date Made Active in Reports: 08/03/05  
Number of Days to Update: 26

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 08/15/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: Semi-Annually

### Site Mitigation List

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

Date of Government Version: 05/25/05  
Date Data Arrived at EDR: 05/27/05  
Date Made Active in Reports: 07/01/05  
Number of Days to Update: 35

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 08/15/05  
Next Scheduled EDR Contact: 11/14/05  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/31/98  
Date Data Arrived at EDR: 07/07/99  
Date Made Active in Reports: N/A  
Number of Days to Update: 33

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 07/06/99  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/26/05  
Date Made Active in Reports: 09/28/05  
Number of Days to Update: 33

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 08/01/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Semi-Annually

## NAPA COUNTY:

### Sites With Reported Contamination

Date of Government Version: 06/27/05  
Date Data Arrived at EDR: 06/27/05  
Date Made Active in Reports: 07/26/05  
Number of Days to Update: 29

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 09/26/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Semi-Annually

### Closed and Operating Underground Storage Tank Sites

Date of Government Version: 06/27/05  
Date Data Arrived at EDR: 06/27/05  
Date Made Active in Reports: 07/26/05  
Number of Days to Update: 29

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 09/26/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Annually

## ORANGE COUNTY:

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/01/05  
Date Data Arrived at EDR: 09/19/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 17

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 09/09/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/05  
Date Data Arrived at EDR: 06/10/05  
Date Made Active in Reports: 07/13/05  
Number of Days to Update: 33

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 09/09/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 09/01/05  
Date Data Arrived at EDR: 09/19/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 17

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 09/09/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Annually

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/10/05  
Date Data Arrived at EDR: 08/31/05  
Date Made Active in Reports: 09/13/05  
Number of Days to Update: 13

Source: Placer County Health and Human Services  
Telephone: 530-889-7312  
Last EDR Contact: 09/19/05  
Next Scheduled EDR Contact: 12/19/05  
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: 09/15/05  
Date Data Arrived at EDR: 09/16/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 20

Source: Department of Public Health  
Telephone: 951-358-5055  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

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

Source: Health Services Agency  
Telephone: 951-358-5055  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS - Contaminated Sites

Date of Government Version: 08/19/05  
Date Data Arrived at EDR: 09/02/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 34

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 08/26/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Quarterly

### ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 07/25/05  
Date Data Arrived at EDR: 08/19/05  
Date Made Active in Reports: 09/13/05  
Number of Days to Update: 25

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 08/05/05  
Next Scheduled EDR Contact: 10/31/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 09/20/05  
Date Data Arrived at EDR: 09/20/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 16

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00  
Date Data Arrived at EDR: 12/13/01  
Date Made Active in Reports: 01/15/02  
Number of Days to Update: 33

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 08/22/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Varies

### 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: 05/16/05  
Date Data Arrived at EDR: 05/18/05  
Date Made Active in Reports: 06/16/05  
Number of Days to Update: 29

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 07/08/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Quarterly

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

Date of Government Version: 09/07/05  
Date Data Arrived at EDR: 09/08/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 28

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Date of Government Version: 06/07/05  
Date Data Arrived at EDR: 06/08/05  
Date Made Active in Reports: 07/13/05  
Number of Days to Update: 35

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SAN MATEO COUNTY:

### Fuel Leak List

Date of Government Version: 08/11/05  
Date Data Arrived at EDR: 08/12/05  
Date Made Active in Reports: 09/13/05  
Number of Days to Update: 32

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 07/11/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Semi-Annually

### Business Inventory

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

Date of Government Version: 08/17/05  
Date Data Arrived at EDR: 08/17/05  
Date Made Active in Reports: 09/21/05  
Number of Days to Update: 35

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 07/11/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Annually

## SANTA CLARA COUNTY:

### Fuel Leak Site Activity Report

Date of Government Version: 03/29/05  
Date Data Arrived at EDR: 03/30/05  
Date Made Active in Reports: 04/21/05  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 09/27/05  
Next Scheduled EDR Contact: 12/26/05  
Data Release Frequency: Semi-Annually

### Hazardous Material Facilities

Date of Government Version: 09/13/05  
Date Data Arrived at EDR: 09/13/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 23

Source: City of San Jose Fire Department  
Telephone: 408-277-4659  
Last EDR Contact: 09/06/05  
Next Scheduled EDR Contact: 12/05/05  
Data Release Frequency: Annually

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

Date of Government Version: 06/28/05  
Date Data Arrived at EDR: 06/28/05  
Date Made Active in Reports: 07/26/05  
Number of Days to Update: 28

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/12/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Date of Government Version: 06/28/05  
Date Data Arrived at EDR: 06/28/05  
Date Made Active in Reports: 07/26/05  
Number of Days to Update: 28

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/12/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SONOMA COUNTY:

### Leaking Underground Storage Tank Sites

Date of Government Version: 07/01/05  
Date Data Arrived at EDR: 07/25/05  
Date Made Active in Reports: 08/25/05  
Number of Days to Update: 31

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 07/25/05  
Next Scheduled EDR Contact: 10/24/05  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Date of Government Version: 01/29/04  
Date Data Arrived at EDR: 01/29/04  
Date Made Active in Reports: 02/23/04  
Number of Days to Update: 25

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Semi-Annually

## VENTURA COUNTY:

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/05  
Date Data Arrived at EDR: 09/20/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 16

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/09/05  
Next Scheduled EDR Contact: 11/21/05  
Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/01/05  
Date Data Arrived at EDR: 07/05/05  
Date Made Active in Reports: 08/03/05  
Number of Days to Update: 29

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/13/05  
Next Scheduled EDR Contact: 12/12/05  
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: 07/05/05  
Date Data Arrived at EDR: 07/22/05  
Date Made Active in Reports: 08/04/05  
Number of Days to Update: 13

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 07/15/05  
Next Scheduled EDR Contact: 10/10/05  
Data Release Frequency: Quarterly

### 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: 06/01/05  
Date Data Arrived at EDR: 07/06/05  
Date Made Active in Reports: 08/03/05  
Number of Days to Update: 28

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 09/13/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

YOLO COUNTY:

## Underground Storage Tank Comprehensive Facility Report

Date of Government Version: 07/19/05  
Date Data Arrived at EDR: 08/08/05  
Date Made Active in Reports: 08/30/05  
Number of Days to Update: 22

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 07/18/05  
Next Scheduled EDR Contact: 10/17/05  
Data Release Frequency: Annually

## EDR PROPRIETARY HISTORICAL DATABASES

**EDR Historical Gas Station and Dry Cleaners:** EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and 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 dry cleaning and 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, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.*

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

*(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)*

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## BROWNFIELDS DATABASES

**US BROWNFIELDS:** A Listing of Brownfields Sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/18/05  
Date Data Arrived at EDR: 08/18/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 49

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 08/11/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Semi-Annually

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/08/05  
Date Data Arrived at EDR: 08/29/05  
Date Made Active in Reports: 09/21/05  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/29/05  
Next Scheduled EDR Contact: 11/28/05  
Data Release Frequency: Quarterly

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05  
Date Data Arrived at EDR: 02/11/05  
Date Made Active in Reports: 04/06/05  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 703-603-8867  
Last EDR Contact: 07/05/05  
Next Scheduled EDR Contact: 10/03/05  
Data Release Frequency: Varies

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**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: PennWell Corporation  
Telephone: (800) 823-6277

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **AHA Hospitals:**

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### **Private Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### **Daycare Centers: Licensed Facilities**

Source: Department of Social Services  
Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

### **STREET AND ADDRESS INFORMATION**

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

KENDALL AVENUE/NORMA STREET  
KENDALL AVENUE/NORMA STREET  
RIDGECREST, CA 93555

### TARGET PROPERTY COORDINATES

Latitude (North):	35.589401 - 35° 35' 21.8"
Longitude (West):	117.681801 - 117° 40' 54.5"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	438232.1
UTM Y (Meters):	3938423.0
Elevation:	2400 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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. 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.

# 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).

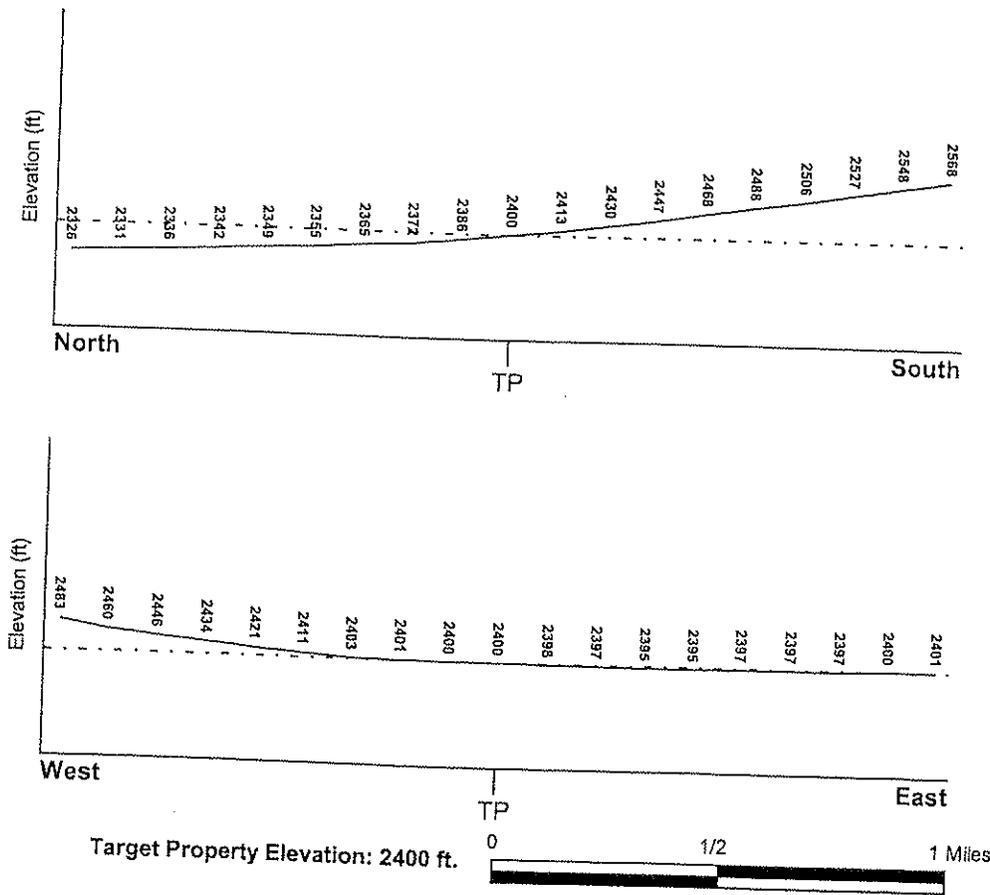
## TOPOGRAPHIC INFORMATION

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

USGS Topographic Map: 35117-E6 RIDGECREST SOUTH, CA  
 General Topographic Gradient: General North  
 Source: USGS 7.5 min quad index

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

Flood Plain Panel at Target Property: 0600750595B

Additional Panels in search area: 0600810010B

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> RIDGECREST SOUTH	<u>NWI Electronic 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 FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

\*©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

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

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### ROCK STRATIGRAPHIC UNIT

Era:  
System:  
Series:  
Code:

Cenozoic  
Quaternary  
Quaternary  
Q (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: CAJON

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low 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: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 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	7 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
2	7 inches	13 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
3	13 inches	25 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
4	25 inches	45 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40
5	45 inches	60 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 7.40

### 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: fine sandy loam  
loam  
loamy fine sand  
sandy loam  
coarse sand  
gravelly - fine sand  
coarse sandy loam  
loamy coarse sand

Surficial Soil Types: fine sandy loam

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

loam  
 loamy fine sand  
 sandy loam  
 coarse sand  
 gravelly - fine sand  
 coarse sandy loam  
 loamy coarse sand

Shallow Soil Types: loamy sand  
 sandy loam  
 clay loam  
 sandy clay loam  
 loam  
 gravelly - sandy loam

Deeper Soil Types: silt loam  
 sandy loam  
 very gravelly - loamy sand  
 loamy fine sand

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS3137169	1/4 - 1/2 Mile North
A2	USGS3137171	1/4 - 1/2 Mile North
3	USGS3137153	1/4 - 1/2 Mile WSW
4	USGS3137155	1/4 - 1/2 Mile West
B6	USGS3137180	1/2 - 1 Mile North
C7	USGS3137179	1/2 - 1 Mile North
C9	USGS3137182	1/2 - 1 Mile North

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D10	USGS3137156	1/2 - 1 Mile West
11	USGS3137160	1/2 - 1 Mile East
E12	USGS3137174	1/2 - 1 Mile WNW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

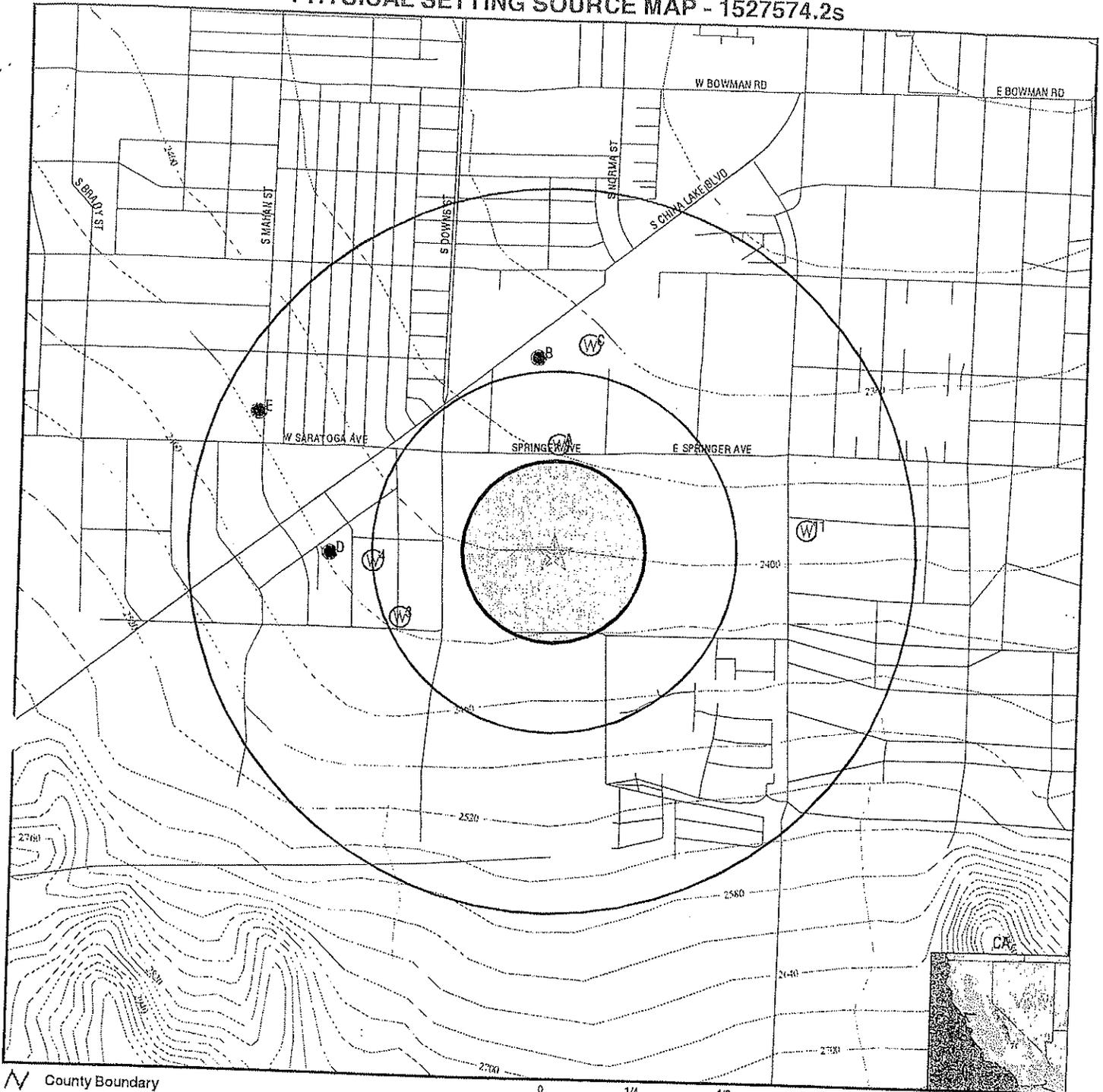
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

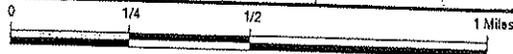
### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B5	16704	1/2 - 1 Mile North
D8	16705	1/2 - 1 Mile West
E13	16703	1/2 - 1 Mile WNW

# PHYSICAL SETTING SOURCE MAP - 1527574.2s



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



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



**ARGET PROPERTY:** Kendall Avenue/Norma Street  
**ADDRESS:** Kendall Avenue/Norma Street  
**CITY/STATE/ZIP:** Ridgecrest CA 93555  
**LAT/LONG:** 35.5894 / 117.6818

**CUSTOMER:** LFR Levine Fricke  
**CONTACT:** Dori Marsh  
**INQUIRY #:** 1527574.2s  
**DATE:** October 06, 2005 8:13 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

<b>A1</b>	Database	EDR ID Number
North	FED USGS	USGS3137169
1/4 - 1/2 Mile		
Lower		

Agency cd:	USGS	Site no:	353537117405301
Site name:	027S040E09P001M		
Latitude:	353537		
Longitude:	1174053	Dec lat:	35.59356784
Dec lon:	-117.68228541	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2368.00	Altitude method:	L
Altitude accuracy:	.1	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys, California. Area = 2020 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19480101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Hole depth:	230
Peak flow data begin date:	0000-00-00	Project number:	Not Reported
Peak flow data count:	0	Daily flow data begin date:	0000-00-00
Water quality data end date:	1972-06-29	Daily flow data count:	0
Ground water data begin date:	1960-07-01	Peak flow data end date:	0000-00-00
Ground water data count:	1	Water quality data begin date:	1951-10-10
		Water quality data count:	4
		Ground water data end date:	1960-07-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-07-01	183.00	

**A2**  
 North  
 1/4 - 1/2 Mile  
 Lower

FED USGS      USGS3137171

Agency cd:	USGS	Site no:	353538117404901
Site name:	027S040E09P002M		
Latitude:	353538		
Longitude:	1174049	Dec lat:	35.59384562
Dec lon:	-117.68117428	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	2368.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19690101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	0	Hole depth:	268
Daily flow data end date:	0000-00-00	Project number:	Not Reported
Peak flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data count:	0	Daily flow data count:	0
Water quality data end date:	1973-05-15	Peak flow data end date:	0000-00-00
Ground water data begin date:	1973-05-01	Water quality data begin date:	1973-05-15
Ground water data count:	1	Water quality data count:	1
		Ground water data end date:	1973-05-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-05-01	192.00	

3  
WSW  
1/4 - 1/2 Mile  
Higher

FED USGS USGS3137153

Agency cd:	USGS	Site no:	353512117411801
Site name:	027S040E17H002M		
Latitude:	353512		
Longitude:	1174118	Dec lat:	35.58662352
Dec lon:	-117.68922996	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2435.00	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19720101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	320	Hole depth:	320
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1973-05-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1973-05-01

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-05-01	253.00	

**4**  
West  
1/4 - 1/2 Mile  
Higher

FED USGS USGS3137155

Agency cd:	USGS	Site no:	353520117412301
Site name:	027S040E17H001M		
Latitude:	353520		
Longitude:	1174123	Dec lat:	35.58884568
Dec lon:	-117.69061892	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2430.00	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19720101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	320	Hole depth:	320
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1973-05-01	Ground water data end date:	1973-05-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-05-01	247.00	

**B5**  
North  
1/2 - 1 Mile  
Lower

CA WELLS 16704

**Water System Information:**

Prime Station Code:	27S/40E-09N01 S	User ID:	15C
FRDS Number:	1500287001	County:	Kern
District Number:	45	Station Type:	WELL/AMBNT/MUN/INTAKEECREST353
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	353550.0 1174055.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 01		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1500287  
 System Name: DESERT SANDS WATER COOPERATIVE  
 Organization That Operates System: Not Reported  
 Pop Served: Unknown, Small System  
 Area Served: Not Reported  
 Connections: Unknown, Small System

B6  
 North  
 1/2 - 1 Mile  
 Lower

FED USGS USGS3137180

Agency cd:	USGS	Site no:	353550117405501
Site name:	027S040E09L003M		
Latitude:	353550		
Longitude:	1174055	Dec lat:	35.59717887
Dec lon:	-117.68284103	Coor meth:	M
Coor accr:	S	Lattlong datum:	NAD27
Dec lationg datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2355.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19550101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	264
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1955-06-01	Ground water data end date:	1955-06-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1955-06-01	166.00	

C7  
 North  
 1/2 - 1 Mile  
 Lower

FED USGS USGS3137179

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	353550117404601
Site name:	027S040E09L004M		
Latitude:	353550		
Longitude:	1174046	Dec lat:	35.59717888
Dec lon:	-117.68034096	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2370.00	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		
	Hole depth:	Not Reported	
	Project number:	Not Reported	
	Daily flow data begin date:	Not Reported	
	Daily flow data count:	Not Reported	
	Peak flow data end date:	Not Reported	
	Water quality data begin date:	Not Reported	
	Water quality data count:	Not Reported	
	Ground water data end date:	Not Reported	

Ground-water levels, Number of Measurements: 0

D8  
West  
1/2 - 1 Mile  
Higher

CA WELLS 16705

**Water System Information:**

Prime Station Code:	27S/40E-17G01 S	User ID:	CYA
FRDS Number:	1500414001	County:	Kern
District Number:	12	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Untreated
Source Lat/Long:	353522.0 1174130.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 01 SOUTH - INACTIVE		
System Number:	1500414		
System Name:	INDIAN WELLS HIGHLAND WATER		
Organization That Operates System:	Not Reported		
Pop Served:	160	Connections:	Unknown, Small System
Area Served:	Not Reported		

C9  
North  
1/2 - 1 Mile  
Lower

FED USGS USGS3137182

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	353554117404601
Site name:	027S040E09L002M		
Latitude:	353554		
Longitude:	1174046	Dec lat:	35.59828997
Dec lon:	-117.68034098	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2340.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19620101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	0	Hole depth:	265
Daily flow data end date:	0000-00-00	Project number:	Not Reported
Peak flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data count:	0	Daily flow data count:	0
Water quality data end date:	1964-09-11	Peak flow data end date:	0000-00-00
Ground water data begin date:	0000-00-00	Water quality data begin date:	1964-09-11
Ground water data count:	0	Water quality data count:	1
		Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

D10  
West  
1/2 - 1 Mile  
Higher

FED USGS USGS3137156

Agency cd:	USGS	Site no:	353520117413101
Site name:	027S040E17G001M		
Latitude:	353520		
Longitude:	1174131	Dec lat:	35.58884567
Dec lon:	-117.6928412	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	2440.00	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Panamint Valley. California. Area = 1600 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19590101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	0	Hole depth:	310
Daily flow data end date:	0000-00-00	Project number:	Not Reported
Peak flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
		Daily flow data count:	0
		Peak flow data end date:	0000-00-00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 1970-01-29  
 Ground water data begin date: 0000-00-00  
 Ground water data count: 0

Water quality data begin date: 1969-10-06  
 Water quality data count: 2  
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

11  
 East  
 1/2 - 1 Mile  
 Lower

FED USGS USGS3137160

Agency cd:	USGS	Site no:	353526117400701
Site name:	027S040E15D001M		
Latitude:	353526		
Longitude:	1174007	Dec lat:	35.59051242
Dec lon:	-117.66950724	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	RIDGECREST SOUTH	Map scale:	24000
Altitude:	2385.00	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Indian WellsSearles Valleys. California. Area = 2020 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19590101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	0	Hole depth:	240
Daily flow data end date:	0000-00-00	Project number:	Not Reported
Peak flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data count:	0	Daily flow data count:	0
Water quality data end date:	0000-00-00	Peak flow data end date:	0000-00-00
Ground water data begin date:	1961-11-01	Water quality data begin date:	0000-00-00
Ground water data count:	27	Water quality data count:	0
		Ground water data end date:	1985-04-01

Ground-water levels, Number of Measurements: 27

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-04-01	212.72		1984-04-19	211.59	
1983-09-08	210.82		1982-12-15	210.17	
1981-11-17	208.56		1980-12-10	207.33	
1979-12-11	205.85		1978-11-30	204.37	
1977-12-16	203.69		1976-11-23	202.95	
1975-10-23	202.33		1974-10-25	201.90	
1973-11-01	201.23		1972-10-18	200.83	
1972-08-23	200.50		1971-10-28	200.49	
1970-10-12	199.84		1969-09-18	199.72	
1968-11-19	199.72		1967-11-14	199.80	
1966-10-20	199.65		1965-11-19	199.91	
1965-04-01	198.86		1964-09-08	201.25	
1963-10-22	198.61		1961-11-07	196.14	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1961-11-01	196.00				

E12  
WNW  
1/2 - 1 Mile  
Higher

FED USGS USGS3137174

Agency cd:	USGS	Site no:	353540117414301
Site name:	027S040E08Q002M	Dec lat:	35.59440108
Latitude:	353540	Coor meth:	M
Longitude:	1174143	Latlong datum:	NAD27
Dec lon:	-117.6961747	District:	06
Coor acc:	S	County:	029
Dec latlong datum:	NAD83	Land net:	Not Reported
State:	06	Map scale:	24000
Country:	US	Altitude method:	M
Location map:	RIDGECREST SOUTH	Altitude datum:	NGVD29
Altitude:	2430	Indian Wells Searles Valleys, California. Area = 2020 sq.mi.	
Altitude accuracy:	10	Topographic:	Alluvial fan
Hydrologic:	Ground-water other than Spring	Site type:	Ground-water other than Spring
Topographic:	Alluvial fan	Date inventoried:	19870602
Site type:	Ground-water other than Spring	Local standard time flag:	Y
Date inventoried:	19870602	Type of ground water site:	Single well, other than collector or Ranney type
Local standard time flag:	Y	Aquifer Type:	Not Reported
Type of ground water site:	Single well, other than collector or Ranney type	Aquifer:	Not Reported
Aquifer Type:	Not Reported	Well depth:	367
Aquifer:	Not Reported	Source of depth data:	owner
Well depth:	367	Real time data flag:	0
Source of depth data:	owner	Daily flow data end date:	0000-00-00
Real time data flag:	0	Peak flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Peak flow data count:	0
Peak flow data begin date:	0000-00-00	Water quality data begin date:	1987-06-02
Peak flow data count:	0	Water quality data count:	1
Water quality data begin date:	1987-06-02	Ground water data end date:	1987-06-02
Ground water data begin date:	1987-06-02		
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-06-02	270	

Note: The site had been pumped recently.

E13  
WNW  
1/2 - 1 Mile  
Higher

CA WELLS 16703

**Water System Information:**

Prime Station Code:	27S/40E-08Q01 M	User ID:	CYA
FRDS Number:	1510017010	County:	Kern
District Number:	12	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	353542.0 1174144.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 06 (RCH 09) - DESTROYED		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 1510017  
 System Name: INDIAN WELLS VALLEY CWD - RIDGECREST  
 Organization That Operates System:  
     PO BOX 399  
     RIDGECREST 93555  
 Pop Served: 33940  
 Area Served: RIDGECREST & VICINITY  
 Connections: 10350

**Sample Information: \* Only Findings Above Detection Level Are Listed**

Sample Collected:	02/02/1990	Findings:	10.000 UNITS
Chemical:	COLOR		
Sample Collected:	02/02/1990	Findings:	1170.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/02/1990	Findings:	8.040
Chemical:	PH (LABORATORY)		
Sample Collected:	02/02/1990	Findings:	141.600 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	02/02/1990	Findings:	172.800 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/02/1990	Findings:	48.400 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	02/02/1990	Findings:	10.100 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/02/1990	Findings:	5.600 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/02/1990	Findings:	242.200 MG/L
Chemical:	SODIUM		
Sample Collected:	02/02/1990	Findings:	1.900 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/02/1990	Findings:	289.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/02/1990	Findings:	.600 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	02/02/1990	Findings:	10.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	02/02/1990	Findings:	690.300 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/02/1990	Findings:	2.500 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/02/1990	Findings:	7.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	01/22/1991	Findings:	1.000 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/22/1991	Findings:	1.400 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	01/22/1991	Findings:	30.000 UNITS
Chemical:	COLOR		
Sample Collected:	01/22/1991	Findings:	750.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/22/1991	Findings:	8.800
Chemical:	PH (LABORATORY)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/22/1991	Findings:	156.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	01/22/1991	Findings:	190.300 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	01/22/1991	Findings:	12.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	01/22/1991	Findings:	4.300 MG/L
Chemical:	CALCIUM		
Sample Collected:	01/22/1991	Findings:	.300 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	01/22/1991	Findings:	158.900 MG/L
Chemical:	SODIUM		
Sample Collected:	01/22/1991	Findings:	1.300 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01/22/1991	Findings:	123.300 MG/L
Chemical:	CHLORIDE		
Sample Collected:	01/22/1991	Findings:	.800 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	01/22/1991	Findings:	13.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/22/1991	Findings:	410.000 UG/L
Chemical:	IRON		
Sample Collected:	01/22/1991	Findings:	457.500 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/22/1991	Findings:	4.300 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/22/1991	Findings:	1.000 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	10/09/1991	Findings:	1.100 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/09/1991	Findings:	128.500 PCI/L
Chemical:	GROSS BETA		
Sample Collected:	10/09/1991	Findings:	2.900 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	03/06/1992	Findings:	20.000 UNITS
Chemical:	COLOR		
Sample Collected:	03/06/1992	Findings:	880.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/06/1992	Findings:	8.800
Chemical:	PH (LABORATORY)		
Sample Collected:	03/06/1992	Findings:	156.800 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	03/06/1992	Findings:	191.300 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/06/1992	Findings:	35.600 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	03/06/1992	Findings:	4.800 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/06/1992	Findings:	5.700 MG/L
Chemical:	MAGNESIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/06/1992	Findings:	164.400 MG/L
Chemical:	SODIUM		
Sample Collected:	03/06/1992	Findings:	1.400 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/06/1992	Findings:	166.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/06/1992	Findings:	1.000 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	03/06/1992	Findings:	20.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	03/06/1992	Findings:	240.000 UG/L
Chemical:	IRON		
Sample Collected:	03/06/1992	Findings:	7.000 UG/L
Chemical:	LEAD		
Sample Collected:	03/06/1992	Findings:	1.300 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/06/1992	Findings:	1.200 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	03/06/1992	Findings:	455.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/06/1992	Findings:	5.100 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/06/1992	Findings:	11.700 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	01/20/1993	Findings:	20.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/20/1993	Findings:	10.000 UNITS
Chemical:	COLOR		
Sample Collected:	01/20/1993	Findings:	900.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/20/1993	Findings:	8.800
Chemical:	FIELD PH		
Sample Collected:	01/20/1993	Findings:	8.800
Chemical:	PH (LABORATORY)		
Sample Collected:	01/20/1993	Findings:	154.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	01/20/1993	Findings:	187.900 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	01/20/1993	Findings:	50.000 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	01/20/1993	Findings:	8.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	01/20/1993	Findings:	7.300 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	01/20/1993	Findings:	172.900 MG/L
Chemical:	SODIUM		
Sample Collected:	01/20/1993	Findings:	1.300 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01/20/1993	Findings:	164.300 MG/L
Chemical:	CHLORIDE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/20/1993	Findings:	.900 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	01/20/1993	Findings:	17.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/20/1993	Findings:	9.000 UG/L
Chemical:	LEAD		
Sample Collected:	01/20/1993	Findings:	.600 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/20/1993	Findings:	462.700 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/20/1993	Findings:	1.020
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	01/20/1993	Findings:	.320
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	01/20/1993	Findings:	2.300 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/20/1993	Findings:	3.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	01/20/1993	Findings:	12.290
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	02/02/1994	Findings:	28.300 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/02/1994	Findings:	15.000 UNITS
Chemical:	COLOR		
Sample Collected:	02/02/1994	Findings:	890.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/02/1994	Findings:	8.900
Chemical:	FIELD PH		
Sample Collected:	02/02/1994	Findings:	8.900
Chemical:	PH (LABORATORY)		
Sample Collected:	02/02/1994	Findings:	210.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	02/02/1994	Findings:	256.200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/02/1994	Findings:	12.800 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	02/02/1994	Findings:	4.800 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/02/1994	Findings:	.200 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/02/1994	Findings:	178.000 MG/L
Chemical:	SODIUM		
Sample Collected:	02/02/1994	Findings:	1.600 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/02/1994	Findings:	119.800 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/02/1994	Findings:	1.000 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	02/02/1994	Findings:	14.000 UG/L
Chemical:	ARSENIC		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/02/1994	Findings:	834.000 UG/L
Chemical:	IRON		
Sample Collected:	02/02/1994	Findings:	400.000 UG/L
Chemical:	ALUMINIUM		
Sample Collected:	02/02/1994	Findings:	1.300 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/02/1994	Findings:	464.800 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/02/1994	Findings:	1.040
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	02/02/1994	Findings:	.500
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	02/02/1994	Findings:	4.700 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/02/1994	Findings:	4.000 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	02/02/1994	Findings:	12.300
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	02/02/1994	Findings:	1061.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02/15/1995	Findings:	29.600 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/15/1995	Findings:	10.000 UNITS
Chemical:	COLOR		
Sample Collected:	02/15/1995	Findings:	1030.000 UMHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/15/1995	Findings:	8.700
Chemical:	FIELD PH		
Sample Collected:	02/15/1995	Findings:	8.700
Chemical:	PH (LABORATORY)		
Sample Collected:	02/15/1995	Findings:	153.600 MG/L
Chemical:	TOTAL ALKALINITY (AS CaCO3)		
Sample Collected:	02/15/1995	Findings:	187.400 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/15/1995	Findings:	39.200 MG/L
Chemical:	TOTAL HARDNESS (AS CaCO3)		
Sample Collected:	02/15/1995	Findings:	8.300 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/15/1995	Findings:	.400 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/15/1995	Findings:	207.200 MG/L
Chemical:	SODIUM		
Sample Collected:	02/15/1995	Findings:	1.400 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/15/1995	Findings:	206.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/15/1995	Findings:	.700 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	02/15/1995	Findings:	17.800 UG/L
Chemical:	ARSENIC		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/15/1995	Findings:	232.000 UG/L
Chemical:	IRON		
Sample Collected:	02/15/1995	Findings:	63.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	02/15/1995	Findings:	1.500 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/15/1995	Findings:	552.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/15/1995	Findings:	.940
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	02/15/1995	Findings:	.420
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	02/15/1995	Findings:	4.400 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/15/1995	Findings:	8.200 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	02/15/1995	Findings:	12.200
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	02/15/1995	Findings:	993.000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

# 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
93555	29	3	10.34

Federal EPA Radon Zone for KERN County: 2

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

Federal Area Radon Information for Zip Code: 93555

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.586 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## 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.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **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.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

### 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.

### California Oil and Gas Well Locations for District 2, 3, 5 and 6

Source: Department of Conservation

Telephone: 916-323-1779

## 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.

## 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.