

APPENDIX 5.14A

# Final Phase I ESA

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# Phase I Environmental Site Assessment – Proposed Power Plant Site, Vacaville, California

PREPARED FOR: CPV Vacaville, LLC

PREPARED BY: Lyna Black/CH2M HILL, Environmental Specialist  
Steve Long/CH2M HILL, Senior Environmental Specialist

DATE: May 12, 2008

PROJECT NUMBER: 372528.01.01

## Introduction

This Phase I Environmental Site Assessment (ESA) was prepared for a proposed power plant site (Subject Property), a 25-acre portion of a 143.5-acre parcel in Vacaville, California (see Figure 1). CPV requested this ESA to comply with California Energy Commission (CEC) requirements for inclusion of a Phase I ESA in every Application for Certification and for project due diligence.

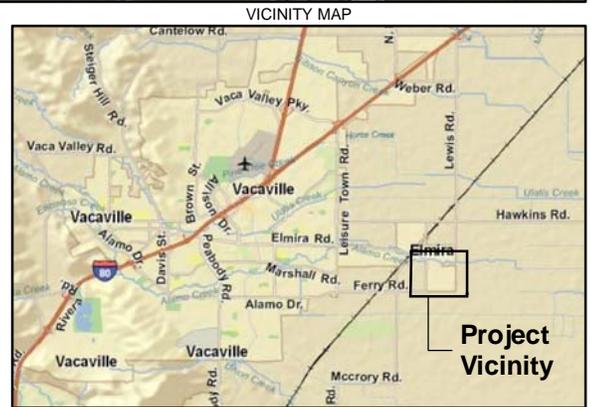
This ESA provides a description of the Subject Property; a summary of findings from a site reconnaissance visit, records reviews, interviews, and reviews of historical aerial photographs, topographic maps, Sanborn® Fire Insurance maps, and a City Directory Abstract; and conclusions.

## Summary

This ESA identifies, to the extent feasible under the process described herein, recognized environmental conditions associated with the Subject Property. The term “recognized environmental condition” indicates the presence or likely presence of hazardous substances or petroleum products on the Subject Property under conditions that indicate an existing release, a past release, or a material threat of release of these substances into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with applicable laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (American Society for Testing and Materials [ASTM], 2005).

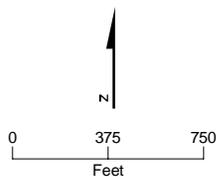


Note:  
 1. Area of interest subject to change.



**LEGEND**

-  Monitoring Well
-  Transformer and Utility Box
-  Subject Property



**FIGURE 1  
 Site Map**

Phase I Environmental Site Assessment  
 Proposed Site, Vacaville, California

Activities to identify recognized environmental conditions at the Subject Property included a reconnaissance visit to the Subject Project and adjacent parcels; a records search; interviews; and reviews of historical aerial photographs, a City Directory Abstract, historical Sanborn® Fire Insurance maps, and historical topographic maps. These activities were conducted in general accordance with the All Appropriate Inquiries Final Rule and updated ASTM Standard Practice E 1527-05, and are specified in CH2M HILL's scope of work, dated March 17, 2008. Limitations of the current study are described in detail in the Limitations section of this report.

## Project Description

CPV plans to develop a new power plant, the Vacaville Energy Center<sup>1</sup>, on the Subject Property. CPV is proposing to lease the Subject Property from the City of Vacaville.

## Project Area Description

The 25-acre Subject Property is a portion of a 143.5-acre parcel identified as APN 142-200-040. The Subject Property is located on the northwest corner of the intersection of Fry Road and Lewis Road, in Vacaville, Solano County, California.

The Subject Property is located in an agricultural setting. Site topography is relatively flat. The general topographic gradient appears to be toward the east and southeast. Precipitation is expected to infiltrate or flow overland to roadside ditches. The nearest surface water bodies are unlined canals operated by Solano Irrigation District, located south of the Subject Property along Fry Road. The nearest natural water body is Alamo Creek, approximately 0.4 mile north of the Subject Property.

## Current and Past Uses of the Property

The Subject Property is currently fallow. Historically, the site has been used for corn and other row-crop agricultural production.

## Description of Structures, Roads, and Other Improvements on the Site

During the April 15, 2008, site visit, no structures were observed on the Subject Property. A utility pole with a transformer and a utility box was located near the southeast corner of the Subject Property; however, these features are likely located within a right-of-way rather than on the Subject Property. They are included in the assessment because of their proximity to the Subject Property. A groundwater monitoring well was observed near the southeast corner of the Subject Property. This well was part of a shallow groundwater study conducted for the City of Vacaville Easterly Wastewater Treatment Plant (WWTP) (Luhdorff and Scalmanini, 2005). An unlined drainage ditch was observed along the eastern boundary, adjacent to Lewis Road.

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<sup>1</sup> The Vacaville Energy Center is now called CPV Vaca Station.

## Findings

This section describes results of the site reconnaissance visit, records review (including historical aerial photographs, topographic maps, Sanborn® Fire Insurance maps, and City Directory Abstract), and interviews.

### Site Reconnaissance

On April 15, 2008, Lyna Black of CH2M HILL conducted a physical and visual inspection of the Subject Property and immediately adjacent properties. Photographs taken during the reconnaissance are included in Attachment 1. The Subject Property was fallow and no structures were observed. No evidence of prior irrigation (pumps or water supply canals) was observed. The site was covered with waist-high, dense, weedy vegetation. The dense vegetation physically limited the ability to visually assess soils and site features as described in the ASTM site visit protocol. The Subject Property was relatively flat. A utility pole with a transformer and a utility box were located near the southeast corner. The transformer and utility box were in good condition and there was no indication of leaks or spills (i.e., soil staining near the base of the pole). For this reason, this feature is not considered a recognized environmental condition associated with the Subject Property. A monitoring well (MW-5) for the WWTP was observed near the southeast corner of the Subject Property. An unlined drainage ditch was located along the eastern property boundary.

### Adjacent Sites

As part of the site visit, and in accordance with ASTM Standard Practice E 1527-05, CH2M HILL performed a windshield survey of accessible adjacent properties.

The general area surrounding the Subject Property is agricultural, with the exception of the WWTP located approximately 500 feet northwest of the Subject Property. The Subject Property is bounded to the south by Fry Road. Agricultural property is located south of Fry Road. Lewis Road is located east of the Subject Property. Agricultural property used for row-crop production is located east of Lewis Road. Fallow land owned by the City of Vacaville is located north of the Subject Property. A gravel access road for the WWTP (the sludge haul road) is located west of the Subject Property. Fallow agricultural land is located east of the access road.

### Records Review

#### Environmental Data Resources, Inc.

As a part of the Phase I ESA, CH2M HILL conducted a records search using electronic database services provided by Environmental Data Resources, Inc. (EDR) (EDR, 2008a). The search encompassed the area within a 1-mile radius of the Subject Property. Three regulated sites were identified within the search range. A summary of findings is listed in Table 1. Attachment 2 presents the complete report, which includes the full list of the records searched by EDR. The following sections discuss the three identified regulated sites.

**TABLE 1**  
 Environmental Data Resources, Inc., Findings Summary  
 Phase I Environmental Site Assessment – Proposed Power Plant Site, Vacaville, California

Type of Records and Database Name	Database Search Radius Distance (Miles)	Number of Sites within <1/8 Mile	Number of Sites within 1/8–1/4 Mile	Number of Sites within 1/4–1/2 Mile	Number of Sites within 1/2–1 Mile	Number of Sites within >1 Mile
<b>Federal Records</b>						
NPL	1	0	0	0	0	NR
Proposed NPL	1	0	0	0	0	NR
Delisted NPL	1	0	0	0	0	NR
NPL LIENS	SP	NR	NR	NR	NR	NR
CERCLIS	0.5	0	0	0	NR	NR
CERC-NFRAP	0.5	0	0	0	NR	NR
LIENS2	SP	NR	NR	NR	NR	NR
CORRACTS	1	0	0	0	0	NR
RCRA TSD	0.5	0	0	0	NR	NR
RCRA - LQG	0.25	0	0	NR	NR	NR
RCRA - SQG	0.25	0	0	NR	NR	NR
RCRA - CESQG	0.25	0	0	NR	NR	NR
RCRA - NonGen	SP	NR	NR	NR	NR	NR
ERNS	SP	NR	NR	NR	NR	NR
HMIRS	SP	NR	NR	NR	NR	NR
US ENG CONTROLS	0.5	0	0	0	NR	NR
US INST CONTROL	0.5	0	0	0	NR	NR
DOD OPS	SP	NR	NR	NR	NR	NR
US CDL	SP	NR	NR	NR	NR	NR
DOD	1	0	0	0	0	NR
FUDS	1	0	0	0	0	NR
US BROWNFIELDS	0.5	0	0	0	NR	NR
LUCIS	0.5	0	0	0	NR	NR
CONSENT	1	0	0	0	0	NR
ROD	1	0	0	0	0	NR
UMTRA	0.5	0	0	0	NR	NR
ODI	0.5	0	0	0	NR	NR
DEBRIS REGION 9	0.5	0	0	0	NR	NR
TRIS	SP	NR	NR	NR	NR	NR
TSCA	SP	NR	NR	NR	NR	NR
HIST FTTS	SP	NR	NR	NR	NR	NR
FTTS	SP	NR	NR	NR	NR	NR
SSTS	SP	NR	NR	NR	NR	NR
ICIS	SP	NR	NR	NR	NR	NR
PADS	SP	NR	NR	NR	NR	NR

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MLTS	SP	NR	NR	NR	NR	NR
MINES	0.25	0	0	NR	NR	NR
RADINFO	SP	NR	NR	NR	NR	NR
FINDS	SP	NR	NR	NR	NR	NR
RAATS	SP	NR	NR	NR	NR	NR
<b>State and Local Records</b>						
Hist Cal-Sites	1	0	0	0	0	NR
Ca Bond Exp. Plan	1	0	0	0	0	NR
SCH	0.25	0	0	NR	NR	NR
Toxic Pits	1	0	0	0	0	NR
State Landfill	0.5	0	0	0	NR	NR
CA WDS	SP	NR	NR	NR	NR	NR
WMUDS/SWAT	0.5	0	0	0	NR	NR
CORTESE	0.5	1	0	0	NR	NR
SWRCY	0.5	0	0	0	NR	NR
LUST	0.5	1	0	0	NR	NR
CA FID UST	0.25	0	0	NR	NR	NR
SLIC	0.5	0	0	0	NR	NR
UST	0.25	1	1	NR	NR	NR
HIST UST	0.25	0	1	NR	NR	NR
AST	0.25	0	0	NR	NR	NR
LIENS	SP	NR	NR	NR	NR	NR
SWEEPS UST	0.25	1	0	NR	NR	NR
CHMIRS	SP	NR	NR	NR	NR	NR
Notify 65	1	0	0	0	0	NR
DEED	0.5	0	0	0	NR	NR
VCP	0.5	0	0	0	NR	NR
DRYCLEANERS	0.25	0	0	NR	NR	NR
WIP	0.25	0	0	NR	NR	NR
CDL	SP	NR	NR	NR	NR	NR
RESPONSE	1	0	0	0	0	NR
HAZNET	SP	NR	NR	NR	NR	NR
AIRS	SP	NR	NR	NR	NR	NR
HAULERS	SP	NR	NR	NR	NR	NR
ENVIROSTOR	0	0	0	0	0	NR

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<b>Tribal Records</b>						
INDIAN RESERV	1	0	0	0	0	NR
INDIAN ODI	0.5	0	0	0	NR	NR
INDIAN LUST	0.5	0	0	0	NR	NR
INDIAN UST	0.25	0	0	NR	NR	NR
<b>EDR Proprietary Records</b>						
Manufactured Gas Plants	1	0	0	0	0	NR
EDR Historical Auto Stations	0.25	0	0	NR	NR	NR
EDR Historical Cleaners	0.25	0	0	NR	NR	NR

Notes:

Sites might be listed in more than one database.

NR = Not required at this search distance (beyond the ASTM standard search radius distance)

SP = Subject Property

**CORTESE.** This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with underground storage tanks (UST) having a reportable release, and solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency Office of Emergency Information. A review of the CORTESE list identified one site within the search radius of the Subject Property.

The site identified as Nike Battery, 5510 Lewis Road, was incorrectly mapped in the EDR report. The actual location for the address was confirmed during the site visit; 5510 Lewis Road is located approximately 1.5 miles south of the Subject Property. Because the site is more than 1 mile from the Subject Property, it is not considered a recognized environmental condition associated with the Subject Property.

**LUST.** The Leaking Underground Storage Tank (LUST) database contains an inventory of reported LUST incidents. The data come from the State Water Resources Control Board LUST Information System. A review of the LUST database identified one site within the search radius of the Subject Property.

The site identified as Nike Battery, 5510 Lewis Road, was incorrectly mapped in the EDR report, as discussed in the previous section. It is also outside of the radius in which it would be considered a recognized environmental condition associated with the Subject Property.

**UST.** The UST database lists registered USTs. The data come from the State Water Resources Control Board’s Hazardous Substance Storage Container Database. A review of this list identified two sites within the search radius of the Subject Property.

The sites, identified as Pacific Bell at 5943 Fry Road and Marcotte Property at 5868 Fry Road, were incorrectly located on the EDR map. The actual locations for the addresses were confirmed during the site visit. The properties are located between 0.5 mile and 1 mile east of the Subject Property. Because the sites are located more than 0.25 mile from the Subject Property, they are not considered recognized environmental conditions associated with the Subject Property.

**HIST UST.** A review of the Historical UST Registered Database identified one site within the search radius of the Subject Property.

The site identified as Marcotte Property at 5868 Fry Road is discussed in the UST database section and is not considered a recognized environmental condition associated with the Subject Property.

**SWEEPS UST.** The Statewide Environmental Evaluation and Planning System UST listing was updated and maintained by a company contracted by the State Water Resources Control Board in the early 1980s. The listing is no longer updated or maintained. A review of this database identified one site within the search radius of the Subject Property.

This site, identified as Pacific Bell at 5943 Fry Road, is discussed in the UST database section and is not considered a recognized environmental condition associated with the Subject Property.

**Orphan Sites.** Sites are categorized as “orphans” when the database information is not accurate enough to positively identify their locations. The Subject Property was not on this list. Using various mapping programs, the sites identified on the orphan list were determined to be more than 1 mile from the Subject Property. For this reason, these sites were not considered recognized environmental conditions associated with the Subject Property.

**Water Wells.** Federal (U.S. Geological Survey and public water systems) and state records were searched to identify wells in the vicinity of the Subject Property. Results of this database search are included in Attachment 2.

### **Solano County Environmental Health Services**

Solano County Environmental Health Services performed a search for the Subject Property in their hazardous materials database. The Subject Property was not identified as a hazardous materials site (Netto, 2008, pers. comm.).

### **Solano County Assessor’s Office**

Solano County Assessor’s Office reported that the property associated with Parcel APN 142-200-040 is a 143.5-acre site that is owned by the City of Vacaville. The site is identified as the WWTP sludge spreading land, which receives sludge from the wastewater treatment filtration process. Because the property is government-owned land, there is no additional information on file. (Clark, 2008, pers. comm.)

**City of Vacaville Building Department**

The City of Vacaville Building Department files information by property address. Addresses are assigned to properties that currently have structures or had structures in the past. There are no records for the Subject Property at the City of Vacaville Building Department. (Cruces, 2008, pers. comm.)

**City of Vacaville Planning Department**

The City of Vacaville Planning Department has no records or other information for the Subject Property. As with the Building Department, records are maintained by property address. (Page, 2008, pers. comm.)

**City of Vacaville Department of Public Works**

Most of the information provided by the City of Vacaville Department of Public Works is described in the Interviews section. However, Attachment 3 contains a report of shallow groundwater quality (Luhdorff & Scalmanini, 2005) obtained from the Department of Public Works. The following is a summary of the information in that report.

The Subject Property received biosolids (i.e., wastewater treatment sludge) applications in 1990, 1992, and 1993. In 1995 and 1997, soil samples were collected from depths of 7 and 15 inches below ground surface. Nitrate concentrations in the samples retrieved from the 7-inch depth ranged from 10 to 47 milligrams per kilogram. Nitrate concentrations in the samples retrieved from the 15-inch depth ranged from 5.4 to 31 milligrams per kilogram. Concentrations of nitrate as nitrogen from samples collected in an onsite monitoring well (MW5) increased from less than 6 milligrams per liter in 1994 to 12 milligrams per liter in 2005. The report concludes that concentrations of nitrate as nitrogen in well MW5 are attributable to agricultural land uses in the area of the WWTP. (Luhdorff & Scalmanini, 2005)

**Historical Aerial Photographs**

The scope of this ESA included reviewing aerial photographs provided by EDR (2008b). Photographs representing six different decades, dated 1937, 1957, 1965, 1970, 1984, 1993, and 1998, were reviewed. The aerial photographs are described in Table 2. Copies of the aerial photographs are provided in Attachment 4.

**TABLE 2**  
 Historical Aerial Photograph Review Summary  
*Phase I Environmental Site Assessment – Proposed Power Plant Site, Vacaville, California*

Date	Site Feature Descriptions	Original Source	Scale
1937	The Subject Property and surrounding properties are agricultural in nature and have no structures. The City of Vacaville Easterly WWTP does not appear to be present in the photo. Several structures are located northeast of the Subject Property. A single developed area with structures, northeast of the Subject Property, appears to be a farmstead.	Laval	1 inch = 555 feet
1957	The Subject Property and surrounding properties are agricultural in nature and have no structures. The homestead structures located northeast of the Subject Property appear similar to the previous photograph.	Cartwright	1 inch = 555 feet

**TABLE 2**  
 Historical Aerial Photograph Review Summary  
*Phase I Environmental Site Assessment – Proposed Power Plant Site, Vacaville, California*

<b>Date</b>	<b>Site Feature Descriptions</b>	<b>Original Source</b>	<b>Scale</b>
1965	The Subject Property and surrounding areas are agricultural in nature and have no structures. Fry Road and Lewis Road are observed south and east of the Subject Property.	Cartwright	1 inch = 333 feet
1970	The Subject Property and surrounding properties appear similar to the 1965 photograph. Ponds are present northwest of the Subject Property, in the current location of the WWTP. Anomalous features are observed on the Subject Property and on property located to the west, southwest, and northeast. These features are likely related to agricultural harvesting operations (such as equipment and bales or debris stacked for collection). These features are much smaller than the farmstead structures located northeast of the Subject Property. The features are too small to be residential structures or barns and lack cleared areas, landscaping, or access roadways. A small pond feature and roadway access were observed on the property to the north, just east of the wastewater treatment ponds.	Cartwright	1 inch = 555 feet
1984	The Subject Property appears to be agricultural in nature and still lacks structures. Improvements on other sites in the vicinity of the Subject Property include the WWTP northwest of the Subject Property and the farmstead located to the northeast. Other surrounding properties are agricultural. The anomalous features described for the 1970 photograph are not observed.	WSA	1 inch = 690 feet
1993	The subject and surrounding properties are similar to those observed in the 1984 aerial photo. Additional structures are observed south and southeast of the Subject Property.	USGS	1 inch = 666 feet
1998	This photograph appears similar to the 1993 aerial photograph.	USGS	1 inch = 666 feet

### Historical Topographic Maps

Historical topographic maps representing six different decades, dated 1908, 1917, 1953, 1968, 1973, and 1980 (EDR, 2008c), were provided by EDR for review. The topographic maps are described in Table 3. Copies of the historical topographic maps are provided in Attachment 5.

**TABLE 3**  
 Historical Topographic Map Review Summary  
*Phase I Environmental Site Assessment – Proposed Power Plant Site, Vacaville, California*

<b>Date</b>	<b>Site Feature Descriptions</b>
1908	The Subject Property and surrounding properties appear structurally undeveloped. The community of Elmira is located northwest of the Subject Property. The closest structures are northeast of the Subject Property, adjacent to Lewis Road.
1917	This map appears similar to the 1908 map.
1953	This map appears similar to the 1917 map. However, a military reservation is identified southwest of the Subject Property.
1968	The Subject Property and surrounding properties remain structurally undeveloped. The WWTP is present northwest of the Subject Property.
1973	This map appears similar to the 1968 map.
1980	This map appears similar to the 1973 map.

## **Sanborn® Fire Insurance Maps**

Although the scope of this ESA included reviewing historical fire insurance maps provided by EDR, Sanborn® Fire Insurance maps covering the Subject Property were not found (EDR, 2008d). The Sanborn® Fire Insurance maps typically cover developed urban areas. Documentation of this search is included in Attachment 6.

## **City Directory Abstract**

The scope of this ESA included reviewing a City Directory Abstract provided by EDR (EDR, 2008e). Because the Subject Property does not have a physical address, the address of the nearest property was used. Business directories, including city, cross-reference, and telephone directories, were reviewed, as available, at approximately 5-year intervals from 1976 through 2007. Identified uses for surrounding properties were residential, with the exception of Horse Haven Ranch, located at 5672 Fry Road. A copy of the City Directory Abstract is provided in Attachment 7.

## **Environmental Lien Report**

According to the EDR Environmental LienSearch™ Report (EDR, 2008f), no environmental liens or other activity, or use limitations, were found for the Subject Property (Attachment 8).

## **Chain-of-Ownership Report**

The EDR Chain-of-Ownership Report (EDR, 2008g) listed William A. Lozano, Rodolfo B. Lozano, and Carmen P. Lozano as the previous owners of the Subject Property. Ownership transferred to the City of Vacaville in 1999. The previous landowners appear to be private individuals (Attachment 8).

# **Interviews**

## **Subject Property Owner**

CH2M HILL conducted a telephone interview with Dave Tompkins of the City of Vacaville Public Works Department. Mr. Tompkins confirmed that he is the key site manager (i.e., the individual identified by the owner or operator of the property with knowledge of the uses and physical characteristics of the site) (Tompkins, 2008, pers. comm.). Mr. Tompkins provided the following information:

- The City of Vacaville has owned the Subject Property since approximately 1998 or 1999.
- Biosolids (i.e., wastewater treatment sludge) were applied to the Subject Property at agronomic rates for approximately 4 to 5 years under permit from the Central Valley Regional Water Quality Control Board. The biosolids were applied consistently throughout the Subject Property as a fertilizer for corn production, at a rate of less than 15 tons per acre. The amount applied to the fields was based on the crop uptake ability. Biosolids have not been applied to the Subject Property for approximately 10 years.
- The Subject Property has been fallow for approximately 5 or 6 years.

- The surrounding areas to the north and northeast were used as a staging area for construction equipment during the WWTP expansion.
- Historical uses in the vicinity of the Subject Property were agricultural.
- Dumping of trash and garbage has not been a problem on the Subject Property.
- The transformer and utility box would likely be outside the area to be leased to CPV. PG&E provides power to the area and likely owns, operates, and maintains the transformer.
- Other hazardous materials sites in the vicinity include a Superfund site in Elmira, located more than 1 mile northwest of the WWTP, and a Kinder Morgan high-pressure gas main leak in Elmira.
- There have been no known incidents of spills, leaks, or unauthorized releases and Mr. Tompkins has no knowledge of any hazardous materials issues or incidents associated with the Subject Property.

CH2M HILL conducted a telephone interview with Jackie McCall, the City of Vacaville Water Quality Manager. Ms. McCall provided the following information (McCall, 2008, pers. comm.):

- Five monitoring wells are associated with the WWTP. Two monitoring wells for the WWTP are located along Lewis Road. The shallow monitoring wells are sampled quarterly for compliance with the National Pollutant Discharge Elimination System (NPDES) permit. Samples are analyzed for total dissolved solids, fecal coliform, pH, and nitrate, and groundwater elevation. The RWQCB contact for the NPDES permit is Kathleen Harder.
- Groundwater flow in the vicinity of the Subject Property is generally toward the southeast.
- The City of Vacaville began the WWTP in 1955.
- The previous owner of the Subject Property was Mr. Lazano. The City of Vacaville contracted Mr. Lazano to farm corn on the Subject Property.
- With the exception of biosolids, no agricultural chemicals have been applied to the Subject Property (including fertilizer) since the City of Vacaville purchased the property.
- Current and historical land use in the vicinity is agricultural, with crops including corn, sudan grass, hay, and alfalfa.
- Other hazardous materials sites in the area include the Kinder Morgan site, which has monitoring wells in several locations in the town of Elmira, and the Superfund site that Mr. Tompkins mentioned. The constituents of concern for these sites were assumed to be hydrocarbons and chromium. To Ms. McCall's knowledge, there have been no known incidents that would be a concern for the Subject Property.

## User

CH2M HILL conducted a telephone interview with Andy Welch of CPV. Mr. Welch has visited the Subject Property once and has limited knowledge of the Subject Property and vicinity (Welch, 2008). He discussed the WWTP to the northwest, but had no knowledge of any other hazardous materials issues or incidents associated with the Subject Property.

## Local Government Officials – Solano County Environmental Health Services

CH2M HILL contacted Albert Netto of Solano County Environmental Health Services. Mr. Netto reported that the Subject Property is not listed in the hazardous material database (Netto, 2008). He did not provide additional information on surrounding properties.

## Conclusions

The objective of the Phase I ESA was to evaluate the potential for recognized environmental conditions (i.e., presence of hazardous substances or petroleum products), past or present, at the Subject Property. The conclusions of this Phase I ESA result from performance of specific environmental assessment tasks specified in ASTM Standard Practice E 1527-05 and the scope of work for this ESA, dated March 17, 2008.

CH2M HILL has performed a Phase I Environmental Site Assessment of the Subject Property (a portion of APN 142-200-040), located on the northwest corner of Fry Road and Lewis Road, in Vacaville, California, in accordance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in the Limitations section. This ESA has revealed no evidence of recognized environmental conditions in connection with the Subject Property except for the following:

- Historical, long-term use of the Subject Property for agricultural purposes, potentially resulting in contamination of soil and groundwater through persistent application of agricultural chemicals.
- Historical application of biosolids (i.e., sludge from the WWTP) to the Subject Property from the WWTP, potentially resulting in contamination of soil and groundwater. It is recommended that further research be conducted with the City of Vacaville to determine if there is any analytical characterization data for the biosolids that were applied to the land. These data would be used to determine a reasonable analytical suite for soil samples.

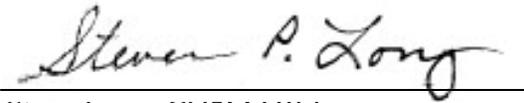
## Recommendations

This assessment has revealed recognized environmental conditions associated with the Subject Property. Considering the future intended use of the Subject Property for industrial purposes, potential human health risks are likely to be minimal. However, CH2M HILL recommends soil sampling and testing prior to conducting any construction activities. These soil samples should be assessed for persistent agricultural chemicals, such as organochlorine pesticides and other analytes that might be indicated by a review of the characterization data associated with the sludge that was applied to the Subject Property.

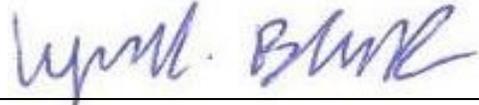
There is no immediate need to assess the groundwater quality because of the future intended use of the property. The proposed power plant will get its water supply from tertiary-treated water from the WWTP, and all wastewater will be directed back to the WWTP. For these reasons, there will be no groundwater use or discharges associated with the proposed project. However, for future liability protection, it is recommended that a pre-construction groundwater assessment be considered to provide baseline conditions. This assessment could be done in coordination with the ongoing groundwater monitoring program for the WWTP by expanding the analytical suite. It could also be done in coordination with any geotechnical subsurface investigations that are planned for the proposed power plant.

## Environmental Professional Statement

“I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.”



Steve Long, CH2M HILL  
Senior Environmental Specialist



Lyna Black, CH2M HILL  
Environmental Specialist

## Limitations

The Subject Property was covered by dense, waist-high herbaceous and weedy vegetation at the time of the site visit. This condition limited the ability of the CH2M HILL representative to visually assess soil conditions and site features as specified in ASTM Standard Practice E 1527-05.

This report has been prepared for the exclusive use of CPV for specific application to the Subject Property as described in this ESA. No warranty, expressed or implied, is made. There are no beneficiaries of this report other than CPV, and no other person or entity is entitled to rely on this report without the written consent of CH2M HILL and a written agreement limiting CH2M HILL's liability.

CH2M HILL is not responsible for any claims, damages, or liabilities associated with the interpretation of these findings or reuse of the analysis, associated site data, or recommendations without the express written authorization of CH2M HILL.

Limitations of this assessment may not be altered or waived without written consent of CH2M HILL.

It was beyond this scope of work to review the following:

- The presence of radon
- The presence of lead-based paint
- Lead in drinking water
- Identification or delineation of jurisdictional wetlands
- Issues associated with worker health and safety
- Issues pertaining to compliance with environmental regulations
- Liabilities associated with the offsite management of solid or hazardous wastes
- Presence of endangered or threatened species

The exclusion of the above items is not a representation of the relevance of these non-scope considerations to the project area.

This is a technical memorandum and is not a legal representation or interpretation of environmental laws, rules, regulations, or policies of local, state, or federal agencies. CH2M HILL makes no representation regarding whether this investigation constitutes “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined under Section 101(35)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980.

This report is based, in part, on unverified information supplied to CH2M HILL from several sources during the project research; therefore, CH2M HILL does not guarantee its completeness or accuracy.

CH2M HILL assumes no responsibility for conditions that CH2M HILL is not authorized to investigate or conditions not generally recognized as environmentally unacceptable when services were performed.

As described in the scope of work, CH2M HILL has not performed any surface or sub-surface sampling and cannot, therefore, give any assurance as to the absence or presence of surface or subsurface contamination.

Any opinions or recommendations presented herein apply to site conditions existing when services were performed. CH2M HILL is unable to report on or accurately predict events that might change the site conditions after the described services were performed, whether occurring naturally or caused by external forces.

The degree and quality of the information contained in this report is the result of a limited scope of work and a limited fee, as directed by CPV.

No investigation is thorough enough to exclude the presence of hazardous substances at a given site. If hazardous substances or hazardous conditions have not been identified during the assessment, such a finding should not be construed as a guarantee of the absence of such substances or conditions, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

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**Attachment 1**  
**Site Reconnaissance Photographs**

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**Photograph 1**  
Intersection of Fry Road and Lewis Road, looking southwest. Subject Property is on the right side of the photograph.



**Photograph 2**  
Southeast corner of Subject Property, looking north. Fry Road is in the foreground. The utility box, power pole, and transformer are adjacent to the Subject Property.



**Photograph 3**  
Subject Property, looking northwest.



**Photograph 4**  
Eastern side of Subject Property, looking north. Lewis Road is on the right side of the photograph.



**Photograph 5**  
Monitoring well #5, located on the eastern side of the Subject Property.



**Photograph 6**  
Southwestern portion of Subject property. The access road to the WWTP is on the left side of the photograph.

**Attachment 2**  
**Environmental Data Resources, Inc., Report**

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**EDR**® Environmental  
Data Resources Inc

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

**Vacaville Energy Center  
Lewis Road/Fry Road  
Vacaville, CA 95687**

**Inquiry Number: 2192405.2s**

**April 10, 2008**

## **The Standard in Environmental Risk 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)

# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	6
Orphan Summary .....	10
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-10
Physical Setting Source Map Findings .....	A-11
Physical Setting Source Records Searched .....	A-21

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

LEWIS ROAD/FRY ROAD  
VACAVILLE, CA 95687

#### COORDINATES

Latitude (North): 38.338850 - 38° 20' 19.9"  
Longitude (West): 121.898810 - 121° 53' 55.7"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 596238.8  
UTM Y (Meters): 4243779.5  
Elevation: 63 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38121-C8 ELMIRA, CA  
Most Recent Revision: 1980

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

#### FEDERAL RECORDS

**NPL**..... National Priority List  
**Proposed NPL**..... Proposed National Priority List Sites  
**Delisted NPL**..... National Priority List Deletions  
**NPL LIENS**..... Federal Superfund Liens  
**CERCLIS**..... Comprehensive Environmental Response, Compensation, and Liability Information System  
**CERC-NFRAP**..... CERCLIS No Further Remedial Action Planned  
**LIENS 2**..... CERCLA Lien Information  
**CORRACTS**..... Corrective Action Report  
**RCRA-TSDF**..... RCRA - Transporters, Storage and Disposal  
**RCRA-LQG**..... RCRA - Large Quantity Generators

## EXECUTIVE SUMMARY

<b>RCRA-SQG</b> .....	RCRA - Small Quantity Generators
<b>RCRA-CESQG</b> .....	RCRA - Conditionally Exempt Small Quantity Generator
<b>RCRA-NonGen</b> .....	RCRA - Non Generators
<b>US ENG CONTROLS</b> .....	Engineering Controls Sites List
<b>US INST CONTROL</b> .....	Sites with Institutional Controls
<b>ERNS</b> .....	Emergency Response Notification System
<b>HMIRS</b> .....	Hazardous Materials Information Reporting System
<b>DOT OPS</b> .....	Incident and Accident Data
<b>US CDL</b> .....	Clandestine Drug Labs
<b>US BROWNFIELDS</b> .....	A Listing of Brownfields Sites
<b>DOD</b> .....	Department of Defense Sites
<b>FUDS</b> .....	Formerly Used Defense Sites
<b>LUCIS</b> .....	Land Use Control Information System
<b>CONSENT</b> .....	Superfund (CERCLA) Consent Decrees
<b>ROD</b> .....	Records Of Decision
<b>UMTRA</b> .....	Uranium Mill Tailings Sites
<b>ODI</b> .....	Open Dump Inventory
<b>DEBRIS REGION 9</b> .....	Torres Martinez Reservation Illegal Dump Site Locations
<b>MINES</b> .....	Mines Master Index File
<b>TRIS</b> .....	Toxic Chemical Release Inventory System
<b>TSCA</b> .....	Toxic Substances Control Act
<b>FTTS</b> .....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>HIST FTTS</b> .....	FIFRA/TSCA Tracking System Administrative Case Listing
<b>SSTS</b> .....	Section 7 Tracking Systems
<b>ICIS</b> .....	Integrated Compliance Information System
<b>PADS</b> .....	PCB Activity Database System
<b>MLTS</b> .....	Material Licensing Tracking System
<b>RADINFO</b> .....	Radiation Information Database
<b>FINDS</b> .....	Facility Index System/Facility Registry System
<b>RAATS</b> .....	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>HIST Cal-Sites</b> .....	Historical Calsites Database
<b>CA BOND EXP. PLAN</b> .....	Bond Expenditure Plan
<b>SCH</b> .....	School Property Evaluation Program
<b>Toxic Pits</b> .....	Toxic Pits Cleanup Act Sites
<b>SWF/LF</b> .....	Solid Waste Information System
<b>CA WDS</b> .....	Waste Discharge System
<b>WMUDS/SWAT</b> .....	Waste Management Unit Database
<b>SWRCY</b> .....	Recycler Database
<b>CA FID UST</b> .....	Facility Inventory Database
<b>SLIC</b> .....	Statewide SLIC Cases
<b>AST</b> .....	Aboveground Petroleum Storage Tank Facilities
<b>LIENS</b> .....	Environmental Liens Listing
<b>CHMIRS</b> .....	California Hazardous Material Incident Report System
<b>Notify 65</b> .....	Proposition 65 Records
<b>DEED</b> .....	Deed Restriction Listing
<b>VCP</b> .....	Voluntary Cleanup Program Properties
<b>DRYCLEANERS</b> .....	Cleaner Facilities
<b>WIP</b> .....	Well Investigation Program Case List
<b>CDL</b> .....	Clandestine Drug Labs
<b>RESPONSE</b> .....	State Response Sites
<b>HAZNET</b> .....	Facility and Manifest Data

## EXECUTIVE SUMMARY

**AIRS**..... Emissions Inventory Data  
**HAULERS**..... Registered Waste Tire Haulers Listing  
**ENVIROSTOR**..... EnviroStor Database

### TRIBAL RECORDS

**INDIAN RESERV**..... Indian Reservations  
**INDIAN ODI**..... Report on the Status of Open Dumps on Indian Lands  
**INDIAN LUST**..... Leaking Underground Storage Tanks on Indian Land  
**INDIAN UST**..... Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

### STATE AND LOCAL RECORDS

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

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>NIKE BATTERY 10 - HAWORTH</i></b>	<b><i>5510 LEWIS RD</i></b>	<b><i>0 - 1/8 SE</i></b>	<b><i>2</i></b>	<b><i>6</i></b>

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

A review of the LUST list, as provided by EDR, and dated 01/07/2008 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>NIKE BATTERY 10 - HAWORTH</i></b> Facility Status: Leak being confirmed	<b><i>5510 LEWIS RD</i></b>	<b><i>0 - 1/8 SE</i></b>	<b><i>2</i></b>	<b><i>6</i></b>

## EXECUTIVE SUMMARY

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/07/2008 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PACIFIC BELL</i>	<i>5943 FRY RD</i>	<i>0 - 1/8 SSW 1</i>		<i>6</i>
<i>MARCOTTE PROPERTY</i>	<i>5868 FRY RD</i>	<i>1/8 - 1/4 WSW 3</i>		<i>8</i>

**HIST UST:** Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MARCOTTE PROPERTY</i>	<i>5868 FRY RD</i>	<i>1/8 - 1/4 WSW 3</i>		<i>8</i>

**SWEEPS UST:** Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

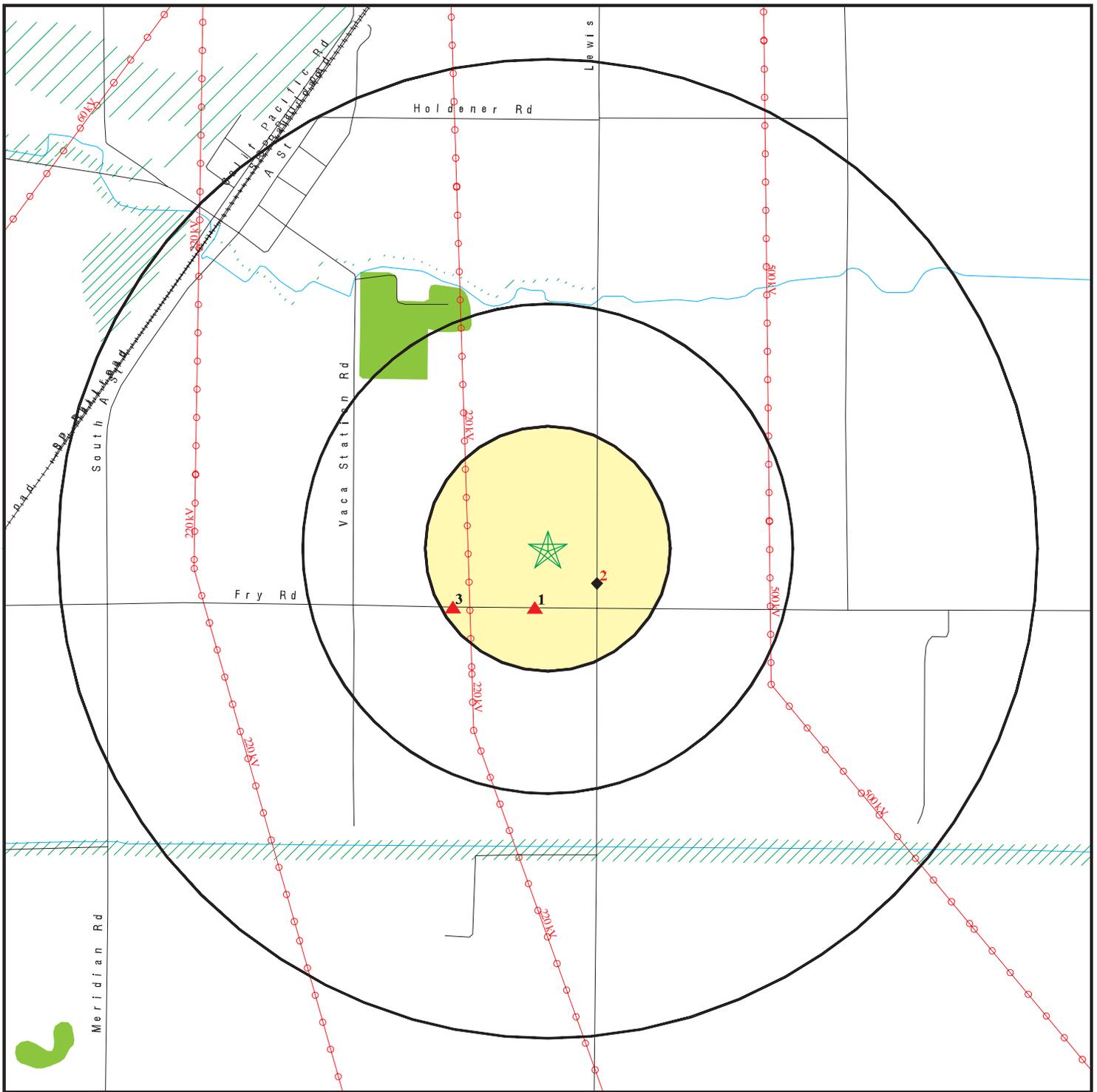
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PACIFIC BELL</i>	<i>5943 FRY RD</i>	<i>0 - 1/8 SSW 1</i>		<i>6</i>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
LOPEZ ENTERPRISES	UST, HIST UST, SWEEPS UST
JACK MONSON CHEMICALS	SWEEPS UST
VACAVILLE WATER TREATMENT PLNT	SWEEPS UST
CITY OF VACAVILLE CORP YARD	SWEEPS UST
CITY OF VACAVILLE (PULLED2/91)	CA FID UST, SWEEPS UST
SIMPLOT CLARKSBURG	LUST, Cortese
NAVAL RADIO TRANSMITTING FACIL	CERCLIS, FINDS
DIXON RECYCLING CENTER	LUST
JACK MONSON CHEMICALS	UST
CITY OF VACAVILLE - RDA	HAZNET
1X CITY OF VACAVILLE	HAZNET
CITY OF VACAVILLE	HAZNET
VACAVILLE TRANSMISSIONS INC	HAZNET
VACAVILLE PREMIUM OUTLETS	HAZNET
GOODYEAR STREET IN VACAVILLE	ERNS
VACAVILLE STATE PRISON	ERNS
VACAVILLE, CITY OF, COMMUN CTR	FINDS, AIRS
PG&E MAINE PRAIRIE DEHYDRATOR	SLIC
KMEP FRY/MERIDIAN RD RRXING	SLIC
KINDER MORGAN ENERGY PARTNERS, FRY/MERIDIAN RD REL	SLIC
VACAVILLE CITY BROWN STREET LA	CA WDS

# OVERVIEW MAP - 2192405.2s



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

- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- ▨ Areas of Concern

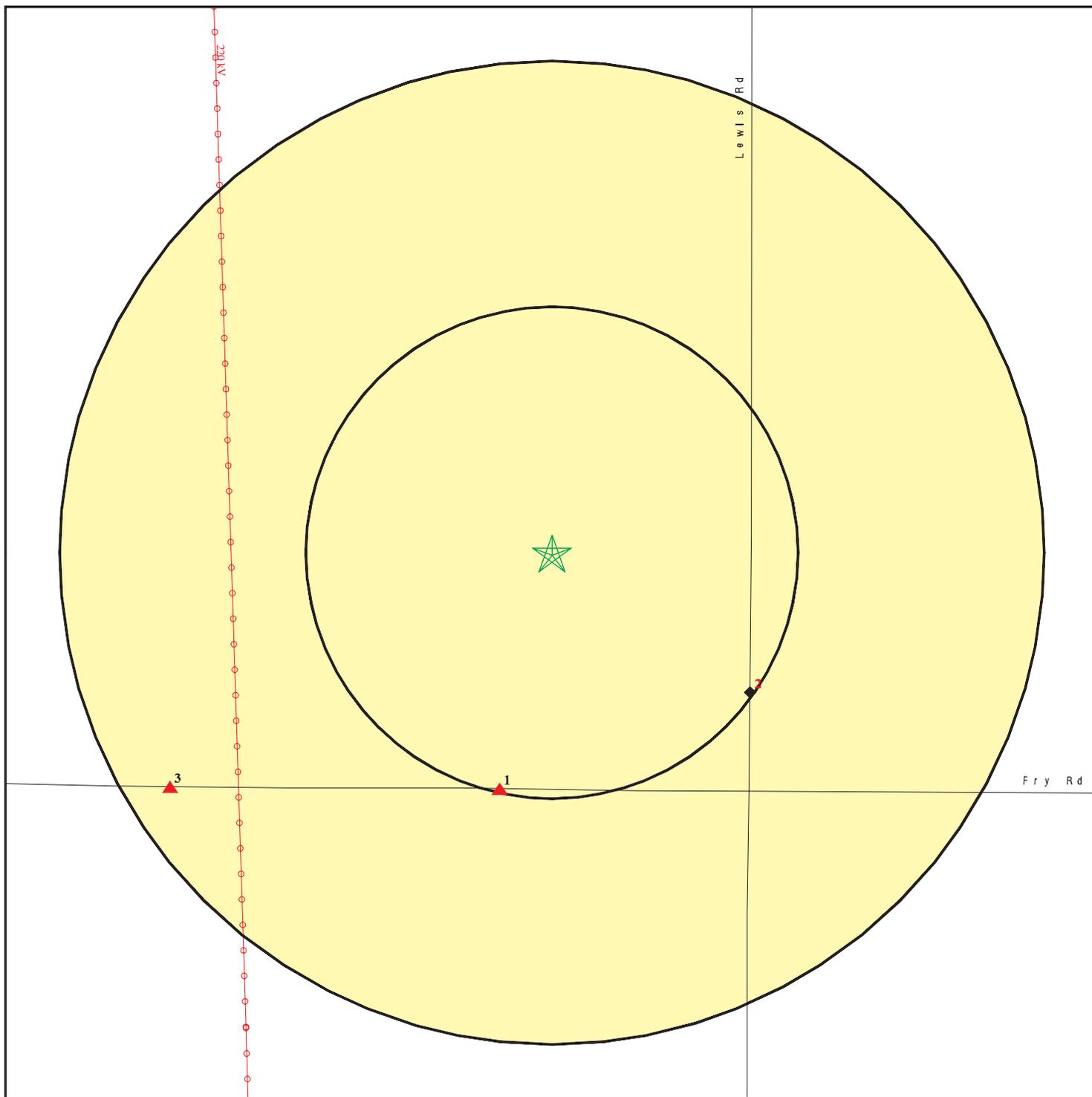


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Vacaville Energy Center  
 ADDRESS: Lewis Road/Fry Road  
 Vacaville CA 95687  
 LAT/LONG: 38.3389 / 121.8988

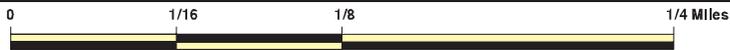
CLIENT: CH2M Hill, Inc.  
 CONTACT: Lyna Black  
 INQUIRY #: 2192405.2s  
 DATE: April 10, 2008 7:31 pm

# DETAIL MAP - 2192405.2s



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

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



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Vacaville Energy Center  
 ADDRESS: Lewis Road/Fry Road  
 Vacaville CA 95687  
 LAT/LONG: 38.3389 / 121.8988

CLIENT: CH2M Hill, Inc.  
 CONTACT: Lyna Black  
 INQUIRY #: 2192405.2s  
 DATE: April 10, 2008 7:31 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
HIST Cal-Sites		1.000	0	0	0	0	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese		0.500	1	0	0	NR	NR	1
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	0	NR	NR	1
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	1	1	NR	NR	NR	2
HIST UST		0.250	0	1	NR	NR	NR	1
AST		0.250	0	0	NR	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
SWEEPS UST		0.250	1	0	NR	NR	NR	1
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		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
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1**  
**SSW**  
 < 1/8  
 0.123 mi.  
 649 ft.

**PACIFIC BELL**  
**5943 FRY RD**  
**DIXON, CA 95620**

**UST**     **U003112985**  
**SWEEPS UST**     **N/A**

**Relative:**  
**Equal**

UST:  
 Region: SOLANO  
 Facility Id: 80099  
 Facility Status: Inactive  
 Facility Phone: Not reported  
 Program: 23U  
 Inventory Number: 1  
 Inventory Type: Underground Storage Tank (1)  
 Inventory Description: Not reported  
 Permit Expire/ Last service: Not reported  
 Last Service Date: Not reported

**Actual:**  
**63 ft.**

SWEEPS UST:  
 Status: Not reported  
 Comp Number: 80099  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Ref Date: Not reported  
 Act Date: Not reported  
 Created Date: Not reported  
 Tank Status: Not reported  
 Owner Tank Id: Not reported  
 Swrcb Tank Id: 48-000-080099-000001  
 Actv Date: Not reported  
 Capacity: 1  
 Tank Use: M.V. FUEL  
 Stg: PRODUCT  
 Content: DIESEL  
 Number Of Tanks: 1

**2**  
**SE**  
 < 1/8  
 0.123 mi.  
 649 ft.

**NIKE BATTERY 10 - HAWORTH**  
**5510 LEWIS RD**  
**ELMIRA, CA 95687**

**LUST**     **S102532071**  
**Cortese**     **N/A**

**Relative:**  
**Lower**

LUST:  
 Region: STATE  
 Case Type: Drinking Water Aquifer affected  
 Cross Street: HAY RD  
 Enf Type: D  
 Funding: Undefined  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Leak Cause: UNK  
 Leak Source: UNK  
 Global Id: T0609500430  
 Stop Date: 1995-04-13 00:00:00  
 Confirm Leak: 1995-04-13 00:00:00  
 Workplan: Not reported  
 Prelim Assess: Not reported  
 Pollution Char: Not reported  
 Remed Plan: Not reported

**Actual:**  
**61 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NIKE BATTERY 10 - HAWORTH (Continued)**

**S102532071**

Remed Action: Not reported  
Monitoring: Not reported  
Close Date: Not reported  
Discover Date: 1995-04-13 00:00:00  
Enforcement Dt: 1965-01-01 00:00:00  
Release Date: 1995-04-19 00:00:00  
Review Date: 1997-01-31 00:00:00  
Enter Date: 1995-04-28 00:00:00  
MTBE Date: Not reported  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
Max MTBE GW ppb: Not reported  
Max MTBE Soil ppb: Not reported  
County: 48  
Org Name: Not reported  
Reg Board: Not reported  
Status: Leak being confirmed  
Chemical: Diesel  
Contact Person: Not reported  
Responsible Party: DOD US ARMY CORP OF ENGINEERS  
RP Address: 1325 J ST, SACRAMENTO, CA 95814-2922  
Interim: Not reported  
Oversight Prgm: Department of Defense UST  
MTBE Class: \*  
MTBE Conc: 0  
MTBE Fuel: 0  
MTBE Tested: Not Required to be Tested.  
Staff: JSR  
Staff Initials: MCK  
Lead Agency: Regional Board  
Local Agency: 48000L  
Hydr Basin #: SACRAMENTO VALLEY (5)  
Beneficial: Not reported  
Priority: 1  
Cleanup Fund Id: Not reported  
Work Suspended: No  
Local Case #: 80159  
Case Number: 480193  
Qty Leaked: Not reported  
Abate Method: Not reported  
Operator: Not reported  
Water System Name: Not reported  
Well Name: Not reported  
Distance To Lust: 0  
Waste Discharge Global ID: Not reported  
Waste Disch Assigned Name: Not reported  
Summary: SITE CONTAINED ONE 300 GAL & ONE 6000 GAL DIESEL TANKS..

**LUST:**

Region: 5  
Case Number: 480193  
Staff Initials: JSR  
Substance: DIESEL  
Case Type: Drinking Water Aquifer affected  
Status: Leak being confirmed  
Lead Agency: Regional  
Program: Department of Defense - Military Bases

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NIKE BATTERY 10 - HAWORTH (Continued)**

**S102532071**

MTBE Code: N/A

Cortese:

Region: CORTESE  
Facility Addr2: 5510 LEWIS RD

**3**  
**WSW**  
**1/8-1/4**  
**0.228 mi.**  
**1202 ft.**

**MARCOTTE PROPERTY**  
**5868 FRY RD**  
**VACAVILLE, CA 95688**

**UST U001576427**  
**HIST UST N/A**

**Relative:**  
**Higher**

UST:

Region: SOLANO  
Facility Id: 80290  
Facility Status: Inactive  
Facility Phone: 5105247776  
Program: 23U  
Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/ Last service: Not reported  
Last Service Date: Not reported

**Actual:**  
**65 ft.**

HIST UST:

Region: STATE  
Facility ID: 00000000341  
Facility Type: Gas Station  
Other Type: CONVENIENCE FOOD STO  
Total Tanks: 0004  
Contact Name: TIM FENG  
Telephone: 8053937000  
Owner Name: JACO-HILL CO. A PARTNERSHIP  
Owner Address: 3101 STATE ROAD  
Owner City,St,Zip: BAKERSFIELD, CA 93308

Tank Num: 001  
Container Num: 1  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 2  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Tank Num: 003  
Container Num: 3  
Year Installed: 1981

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARCOTTE PROPERTY (Continued)**

**U001576427**

Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: PREMIUM  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Tank Num: 004  
Container Num: 4  
Year Installed: 1981  
Tank Capacity: 00012000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLARKSBURG	S105023303	SIMPLOT CLARKSBURG	COURTLAND RD / HWY 84 S	95620	LUST, Cortese
DIXON	S106855390	PG&E MAINE PRAIRIE DEHYDRATOR	HIGHWAY 113	95620	SLIC
DIXON	U001612695	LOPEZ ENTERPRISES	RR 2 BOX 773 HWY 113	95620	UST, HIST UST, SWEEPS UST
DIXON	S106927649	JACK MONSON CHEMICALS	HIGHWAY 80 / PEDRICK RD	95620	SWEEPS UST
DIXON	S107616297	DIXON RECYCLING CENTER	302 N FIRST ST	95620	LUST
DIXON	U003973517	JACK MONSON CHEMICALS	INTERSTATE HIGHWAY 80 RD	95620	UST
DIXON	1000148317	NAVAL RADIO TRANSMITTING FACIL	RADIO STA RD	95620	CERCLIS, FINDS
VACAVILLE	1006823362	VACAVILLE, CITY OF, COMMUN CTR	1100 ALAMO DR/MARSHALL	95687	FINDS, AIRS
VACAVILLE	S106933988	VACAVILLE WATER TREATMENT PLNT	1001 ALLISON DR 2	95687	SWEEPS UST
VACAVILLE	S106924664	CITY OF VACAVILLE CORP YARD	1001 ALLISON DR 1	95687	SWEEPS UST
VACAVILLE	S108202527	CITY OF VACAVILLE - RDA	APN# 0130-122-090	95687	HAZNET
VACAVILLE	S106104425	VACAVILLE CITY BROWN STREET LA	BROWN STREET	95687	CA WDS
VACAVILLE	S100926134	1X CITY OF VACAVILLE	CORPORATION YARD	95687	HAZNET
VACAVILLE	S103957417	CITY OF VACAVILLE	CORPORATION YARD	95687	HAZNET
VACAVILLE	S108757283	VACAVILLE TRANSMISSIONS INC	801 DAVIS ST STE D	95687	HAZNET
VACAVILLE	S106485391	KMEP FRY/MERIDIAN RD RRXING	1500 FEET WEST OF FRY ROAD WHERE FRY CROSSES	95687	SLIC
VACAVILLE	S106230502	KINDER MORGAN ENERGY PARTNERS, FRY/MERIDIAN RD REL	FRY RD WHERE FRY CROSSES THE RR TRACK	95687	SLIC
VACAVILLE	92256271	GOODYEAR STREET IN VACAVILLE	GOODYEAR STREET IN VACAVILLE	95687	ERNS
VACAVILLE	S101595136	CITY OF VACAVILLE (PULLED2/91)	MAIN ST	95687	CA FID UST, SWEEPS UST
VACAVILLE	S108224106	VACAVILLE PREMIUM OUTLETS	321 NUT TREE RD STE 2	95687	HAZNET
VACAVILLE	87463770	VACAVILLE STATE PRISON	VACAVILLE STATE PRISON	95687	ERNS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL 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: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/08/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/04/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 42	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

### **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: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/08/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 02/19/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

## **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2008	Source: EPA
Date Data Arrived at EDR: 02/05/2008	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/20/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

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

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/17/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

## **LIENS 2:** CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/07/2008	Telephone: 202-564-6023
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2007	Source: EPA
Date Data Arrived at EDR: 12/18/2007	Telephone: 800-424-9346
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 64	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

## **RCRA-TSDF:** RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

## **RCRA-LQG:** RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

## **RCRA-SQG:** RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

## **RCRA-CESQG:** RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## **RCRA-NonGen:** RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/06/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **US ENG CONTROLS:** Engineering Controls Sites List

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

Date of Government Version: 01/18/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2008	Telephone: 703-603-8905
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 03/31/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Varies

## **US INST CONTROL:** Sites with Institutional Controls

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

Date of Government Version: 01/18/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2008	Telephone: 703-603-8905
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 03/31/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Varies

## **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: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/23/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Annually

## **HMIRS:** Hazardous Materials Information Reporting System

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

Date of Government Version: 10/31/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/17/2008	Telephone: 202-366-4555
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/17/2008
Number of Days to Update: 60	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: Annually

## **DOT OPS:** Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/27/2008	Telephone: 202-366-4595
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: Varies

## **CDL:** Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/28/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Quarterly

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

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/03/2008  
Date Data Arrived at EDR: 01/17/2008  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 34

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 01/17/2008  
Next Scheduled EDR Contact: 03/10/2008  
Data Release Frequency: Semi-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: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 02/08/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Semi-Annually

## **FUDS:** Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 08/31/2007  
Date Made Active in Reports: 10/11/2007  
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 04/03/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Varies

## **LUCIS:** Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 31

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 03/10/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Varies

## **CONSENT:** Superfund (CERCLA) Consent Decrees

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/21/2008  
Next Scheduled EDR Contact: 04/21/2008  
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: 01/14/2008  
Date Data Arrived at EDR: 01/22/2008  
Date Made Active in Reports: 01/30/2008  
Number of Days to Update: 8

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: 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.

Date of Government Version: 07/13/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Varies

## **ODI:** Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **DEBRIS REGION 9:** Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 12/28/2007  
Date Data Arrived at EDR: 12/28/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 27

Source: EPA, Region 9  
Telephone: 415-972-3336  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Varies

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

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

Date of Government Version: 11/20/2007  
Date Data Arrived at EDR: 01/03/2008  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 03/26/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Semi-Annually

## **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 04/27/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/29/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Annually

## **TSCA: Toxic Substances Control Act**

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 01/28/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/22/2008  
Date Made Active in Reports: 01/30/2008  
Number of Days to Update: 8

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/22/2008  
Date Made Active in Reports: 01/30/2008  
Number of Days to Update: 8

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Quarterly

## **HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## **HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## **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: 12/31/2005  
Date Data Arrived at EDR: 03/13/2007  
Date Made Active in Reports: 04/27/2007  
Number of Days to Update: 45

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/28/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Annually

## **ICIS:** Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2007  
Date Data Arrived at EDR: 08/13/2007  
Date Made Active in Reports: 10/11/2007  
Number of Days to Update: 59

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 02/07/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/04/2007  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 02/07/2008  
Next Scheduled EDR Contact: 05/05/2008  
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.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Quarterly

## **RADINFO:** Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/29/2008  
Date Data Arrived at EDR: 01/31/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 46

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/31/2008  
Next Scheduled EDR Contact: 04/28/2008  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 01/04/2008	Source: EPA
Date Data Arrived at EDR: 01/10/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/31/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Quarterly

## **RAATS:** RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 03/03/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: No Update Planned

## **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 03/13/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Biennially

## **STATE AND LOCAL RECORDS**

### **HIST CAL-SITES:** Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/25/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/26/2008
	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: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **SCH:** School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 02/26/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-323-3400
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 02/25/2008
	Data Release Frequency: Quarterly

## **TOXIC PITS:** Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 02/11/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/28/2008
	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: 12/12/2007	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 12/13/2007	Telephone: 916-341-6320
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/09/2008
	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.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 03/03/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

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

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 03/17/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

## **CORTESE:** "Cortese" Hazardous Waste & Substances Sites List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001  
Date Data Arrived at EDR: 05/29/2001  
Date Made Active in Reports: 07/26/2001  
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 01/21/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: No Update Planned

## **SWRCY:** Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 01/07/2008  
Date Data Arrived at EDR: 01/09/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 36

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 04/09/2008  
Next Scheduled EDR Contact: 07/07/2008  
Data Release Frequency: Quarterly

## **LUST REG 9:** Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: No Update Planned

## **LUST REG 8:** Leaking Underground Storage Tanks

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

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 02/05/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Varies

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

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: No Update Planned

## **LUST REG 6L:** Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: No Update Planned

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

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 01/01/2008  
Date Data Arrived at EDR: 01/23/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 04/03/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6710  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: No Update Planned

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

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 02/11/2008  
Next Scheduled EDR Contact: 05/12/2008  
Data Release Frequency: No Update Planned

## **LUST REG 2:** Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 04/07/2008  
Next Scheduled EDR Contact: 07/07/2008  
Data Release Frequency: Quarterly

## **LUST REG 1:** Active Toxic Site Investigation

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

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

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: No Update Planned

## **LUST:** Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 01/07/2008  
Date Data Arrived at EDR: 01/09/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 36

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 04/09/2008  
Next Scheduled EDR Contact: 07/07/2008  
Data Release Frequency: Quarterly

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

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

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## SLIC: Statewide SLIC Cases

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

Date of Government Version: 01/07/2008	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/09/2008	Telephone: 866-480-1028
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/09/2008
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/07/2008
	Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 02/19/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 04/07/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/07/2008
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 02/11/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 01/21/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Semi-Annually

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

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

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

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Semi-Annually

## **SLIC REG 6L:** SLIC Sites

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

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

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: No Update Planned

## **SLIC REG 7:** SLIC List

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

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

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/02/2007  
Date Data Arrived at EDR: 10/03/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Semi-Annually

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

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

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

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 02/25/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **UST:** Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/07/2008	Source: SWRCB
Date Data Arrived at EDR: 01/09/2008	Telephone: 916-480-1028
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 04/09/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/07/2008
	Data Release Frequency: Semi-Annually

## **UST MENDOCINO:** Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2008	Source: Department of Public Health
Date Data Arrived at EDR: 03/25/2008	Telephone: 707-463-4466
Date Made Active in Reports: 04/09/2008	Last EDR Contact: 03/24/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Varies

## **HIST UST:** Hazardous Substance Storage Container Database

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

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **LIENS:** Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/05/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/06/2008	Telephone: 916-323-3400
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/05/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/05/2008
	Data Release Frequency: Varies

## **AST:** Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/27/2007	Telephone: 916-341-5712
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

## **SWEEPS UST:** SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **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).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/23/2007  
Date Made Active in Reports: 04/06/2007  
Number of Days to Update: 42

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## **NOTIFY 65:** Proposition 65 Records

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

Date of Government Version: 10/21/1993  
Date Data Arrived at EDR: 11/01/1993  
Date Made Active in Reports: 11/19/1993  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: No Update Planned

## **DEED:** Deed Restriction Listing

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

Date of Government Version: 01/03/2008  
Date Data Arrived at EDR: 01/04/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 41

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 04/02/2008  
Next Scheduled EDR Contact: 06/30/2008  
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: 02/26/2008  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/27/2008  
Number of Days to Update: 29

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/27/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Quarterly

## **DRYCLEANERS:** Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 07/31/2007  
Date Data Arrived at EDR: 07/31/2007  
Date Made Active in Reports: 08/09/2007  
Number of Days to Update: 9

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Annually

## **WIP:** Well Investigation Program Case List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/25/2007  
Date Data Arrived at EDR: 01/23/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 22

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 01/23/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: Varies

## **CDL:** Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2007  
Date Data Arrived at EDR: 10/15/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 04/21/2008  
Data Release Frequency: Varies

## **RESPONSE:** State Response Sites

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

Date of Government Version: 02/26/2008  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/27/2008  
Number of Days to Update: 29

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/27/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Quarterly

## **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: 12/31/2006  
Date Data Arrived at EDR: 10/04/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 34

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 02/08/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Annually

## **EMI:** Emissions Inventory Data

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 04/17/2007  
Date Made Active in Reports: 05/10/2007  
Number of Days to Update: 23

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 01/18/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Varies

## **ENVIROSTOR:** EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/2008  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/27/2008  
Number of Days to Update: 29

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/27/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Quarterly

## **HAULERS:** Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/12/2008  
Date Data Arrived at EDR: 02/14/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 29

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 03/31/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Varies

## **TRIBAL RECORDS**

### **INDIAN RESERV:** Indian Reservations

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 02/08/2008  
Next Scheduled EDR Contact: 05/05/2008  
Data Release Frequency: Semi-Annually

### **INDIAN ODI:** Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 02/25/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Varies

### **INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007  
Date Data Arrived at EDR: 06/14/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 21

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

### **INDIAN LUST R8:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/20/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 13

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

### **INDIAN LUST R1:** Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 6

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-6597
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

**INDIAN LUST R9:** Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/26/2008	Telephone: 415-972-3372
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

**INDIAN LUST R10:** Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/21/2008	Source: EPA Region 10
Date Data Arrived at EDR: 02/26/2008	Telephone: 206-553-2857
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

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

Date of Government Version: 09/05/2007	Source: EPA Region 4
Date Data Arrived at EDR: 10/02/2007	Telephone: 404-562-8677
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

**INDIAN UST R1:** Underground Storage Tanks on Indian Land  
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

**INDIAN UST R6:** Underground Storage Tanks on Indian Land  
No description is available for this data

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-7591
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

**INDIAN UST R7:** Underground Storage Tanks on Indian Land  
No description is available for this data

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **INDIAN UST R9:** Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/25/2008  
Date Data Arrived at EDR: 02/26/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 23

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

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

No description is available for this data

Date of Government Version: 09/05/2007  
Date Data Arrived at EDR: 10/02/2007  
Date Made Active in Reports: 10/11/2007  
Number of Days to Update: 9

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Semi-Annually

## **INDIAN UST R5:** Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/21/2007  
Date Data Arrived at EDR: 12/21/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 34

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 12/21/2007  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## **INDIAN UST R10:** Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/21/2008  
Date Data Arrived at EDR: 02/26/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 23

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

## **INDIAN UST R8:** Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/20/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 13

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 02/15/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Quarterly

## **EDR PROPRIETARY RECORDS**

### **Manufactured Gas Plants:** EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **EDR Historical Auto Stations:** EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## **EDR Historical Cleaners:** EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## **COUNTY RECORDS**

### **ALAMEDA COUNTY:**

#### **Contaminated Sites**

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

Date of Government Version: 01/28/2008	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/29/2008	Telephone: 510-567-6700
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/21/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Semi-Annually

#### **Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/28/2008	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/29/2008	Telephone: 510-567-6700
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 01/21/2008
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/21/2008
	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: 03/07/2008	Source: Contra Costa Health Services Department
Date Data Arrived at EDR: 03/11/2008	Telephone: 925-646-2286
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/25/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: Semi-Annually

### **FRESNO COUNTY:**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/16/2008	Source: Dept. of Community Health
Date Data Arrived at EDR: 01/17/2008	Telephone: 559-445-3271
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/17/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/04/2008
	Data Release Frequency: Semi-Annually

## KERN COUNTY:

### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 12/17/2007	Source: Kern County Environment Health Services Department
Date Data Arrived at EDR: 12/18/2007	Telephone: 661-862-8700
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 04/04/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

## LOS ANGELES COUNTY:

### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998	Source: EPA Region 9
Date Data Arrived at EDR: 07/07/1999	Telephone: 415-972-3178
Date Made Active in Reports: N/A	Last EDR Contact: 02/19/2008
Number of Days to Update: 0	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/29/2007	Source: Department of Public Works
Date Data Arrived at EDR: 01/22/2008	Telephone: 626-458-3517
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 02/11/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 02/12/2008	Source: La County Department of Public Works
Date Data Arrived at EDR: 02/21/2008	Telephone: 818-458-5185
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/14/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/27/2007	Telephone: 213-473-7869
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 03/12/2008
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Site Mitigation List

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

Date of Government Version: 05/30/2007	Source: Community Health Services
Date Data Arrived at EDR: 07/11/2007	Telephone: 323-890-7806
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 02/11/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/11/2008	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 02/21/2008	Telephone: 310-524-2236
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/11/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 02/19/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/26/2008	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 02/27/2008	Telephone: 310-618-2973
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/25/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 02/04/2008	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 02/21/2008	Telephone: 415-499-6647
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Semi-Annually

## NAPA COUNTY:

### Sites With Reported Contamination

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

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 04/07/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 04/07/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Annually

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 12/03/2007	Source: Health Care Agency
Date Data Arrived at EDR: 12/19/2007	Telephone: 714-834-3446
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/06/2008
Number of Days to Update: 57	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/03/2007	Source: Health Care Agency
Date Data Arrived at EDR: 12/21/2007	Telephone: 714-834-3446
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/06/2008
Number of Days to Update: 55	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/03/2008	Source: Health Care Agency
Date Data Arrived at EDR: 03/18/2008	Telephone: 714-834-3446
Date Made Active in Reports: 04/09/2008	Last EDR Contact: 03/06/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 07/23/2007	Telephone: 530-889-7312
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 03/17/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/06/2007	Source: Department of Public Health
Date Data Arrived at EDR: 08/07/2007	Telephone: 951-358-5055
Date Made Active in Reports: 09/26/2007	Last EDR Contact: 01/15/2008
Number of Days to Update: 50	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007	Source: Health Services Agency
Date Data Arrived at EDR: 08/07/2007	Telephone: 951-358-5055
Date Made Active in Reports: 09/24/2007	Last EDR Contact: 01/15/2008
Number of Days to Update: 48	Next Scheduled EDR Contact: 04/14/2008
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/11/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-875-8406
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/28/2008
	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: 02/11/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-875-8406
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/28/2007	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 12/28/2007	Telephone: 909-387-3041
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/03/2007
	Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 05/18/2005	Telephone: 619-338-2268
Date Made Active in Reports: 06/16/2005	Last EDR Contact: 04/02/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007  
Date Data Arrived at EDR: 02/05/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 9

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 02/19/2008  
Next Scheduled EDR Contact: 05/19/2008  
Data Release Frequency: Varies

## Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 08/22/2007  
Date Data Arrived at EDR: 10/03/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 35

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 04/02/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Varies

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

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

Date of Government Version: 03/03/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 10

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/01/2008  
Date Data Arrived at EDR: 02/26/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 17

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 01/15/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Semi-Annually

## SAN MATEO COUNTY:

### Business Inventory

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

Date of Government Version: 01/31/2008  
Date Data Arrived at EDR: 02/01/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 13

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 04/07/2008  
Next Scheduled EDR Contact: 07/07/2008  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Fuel Leak List

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

Date of Government Version: 01/09/2008  
Date Data Arrived at EDR: 01/11/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 04/07/2008  
Next Scheduled EDR Contact: 07/07/2008  
Data Release Frequency: Semi-Annually

## SANTA CLARA COUNTY:

### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: No Update Planned

### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 02/01/2008  
Date Data Arrived at EDR: 02/05/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 9

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Varies

### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/04/2008  
Date Data Arrived at EDR: 03/04/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 10

Source: City of San Jose Fire Department  
Telephone: 408-277-4659  
Last EDR Contact: 03/03/2008  
Next Scheduled EDR Contact: 06/02/2008  
Data Release Frequency: Annually

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

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

Date of Government Version: 09/24/2007  
Date Data Arrived at EDR: 10/23/2007  
Date Made Active in Reports: 11/07/2007  
Number of Days to Update: 15

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 01/07/2008  
Date Data Arrived at EDR: 01/30/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 9

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/24/2008  
Next Scheduled EDR Contact: 06/23/2008  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/22/2008	Source: Department of Health Services
Date Data Arrived at EDR: 01/22/2008	Telephone: 707-565-6565
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/21/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/21/2008
	Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 03/31/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Semi-Annually

## VENTURA COUNTY:

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 11/26/2007	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 01/07/2008	Telephone: 805-654-2813
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 08/01/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 08/29/2007	Telephone: 805-654-2813
Date Made Active in Reports: 09/26/2007	Last EDR Contact: 02/19/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/26/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 01/07/2008	Telephone: 805-654-2813
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	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: 12/26/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 01/09/2008	Telephone: 805-654-2813
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 04/09/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/07/2008
	Data Release Frequency: Quarterly

## YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/29/2008  
Date Data Arrived at EDR: 02/20/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 23

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 01/28/2008  
Next Scheduled EDR Contact: 04/14/2008  
Data Release Frequency: Annually

## OTHER DATABASE(S)

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

### **CT MANIFEST:** Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 06/15/2007  
Date Made Active in Reports: 08/20/2007  
Number of Days to Update: 66

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 03/14/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Annually

### **NJ MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007  
Date Data Arrived at EDR: 12/04/2007  
Date Made Active in Reports: 12/31/2007  
Number of Days to Update: 27

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/03/2008  
Next Scheduled EDR Contact: 06/30/2008  
Data Release Frequency: Annually

### **NY MANIFEST:** Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008  
Date Data Arrived at EDR: 02/28/2008  
Date Made Active in Reports: 04/09/2008  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/28/2008  
Next Scheduled EDR Contact: 05/26/2008  
Data Release Frequency: Annually

### **PA MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 12/21/2007  
Date Made Active in Reports: 01/10/2008  
Number of Days to Update: 20

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 03/10/2008  
Next Scheduled EDR Contact: 06/09/2008  
Data Release Frequency: Annually

### **RI MANIFEST:** Manifest information

Hazardous waste manifest information

Date of Government Version: 10/01/2007  
Date Data Arrived at EDR: 11/09/2007  
Date Made Active in Reports: 01/15/2008  
Number of Days to Update: 67

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 03/17/2008  
Next Scheduled EDR Contact: 06/16/2008  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006

Date Data Arrived at EDR: 04/27/2007

Date Made Active in Reports: 06/08/2007

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 04/07/2008

Next Scheduled EDR Contact: 07/07/2008

Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## **Electric Power Transmission Line Data**

Source: 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.

## **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 and 2005 from the U.S. Fish and Wildlife Service.

## **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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

### **TARGET PROPERTY ADDRESS**

VACAVILLE ENERGY CENTER  
LEWIS ROAD/FRY ROAD  
VACAVILLE, CA 95687

### **TARGET PROPERTY COORDINATES**

Latitude (North):	38.33885 - 38° 20' 19.9"
Longitude (West):	121.89881 - 121° 53' 55.7"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	596238.8
UTM Y (Meters):	4243779.5
Elevation:	63 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	38121-C8 ELMIRA, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

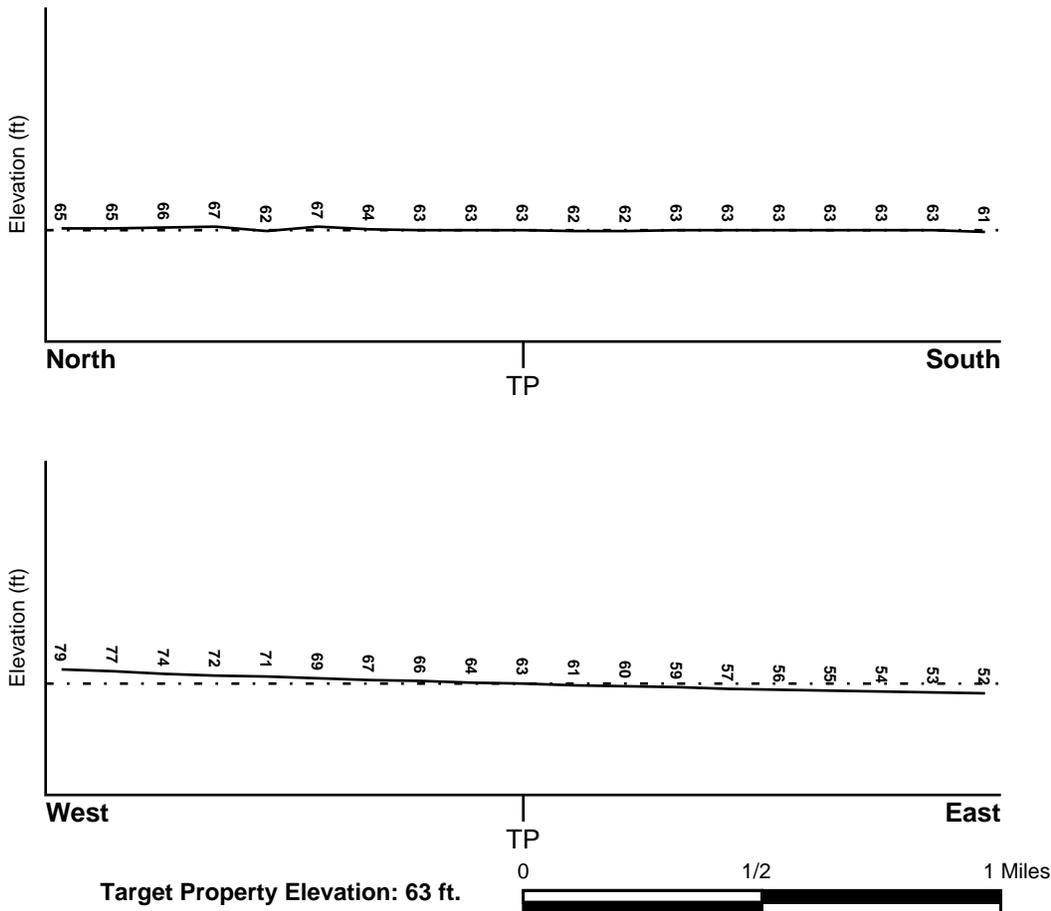
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Target Property County</u>	FEMA Flood <u>Electronic Data</u>
SOLANO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0606310275C

Additional Panels in search area: 0606310257B  
0606310256B  
0603730009B  
0606310258B

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	NWI Electronic <u>Data Coverage</u>
ELMIRA	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
Location Relative to TP:	1/2 - 1 Mile NNW
Site Name:	Wickes Forest Industries
Site EPA ID Number:	CAD000627109
Surficial Aquifer Flow Dir.:	East
Measured Depth to Water:	5 feet to 7 feet.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifer(s) underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

## **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**

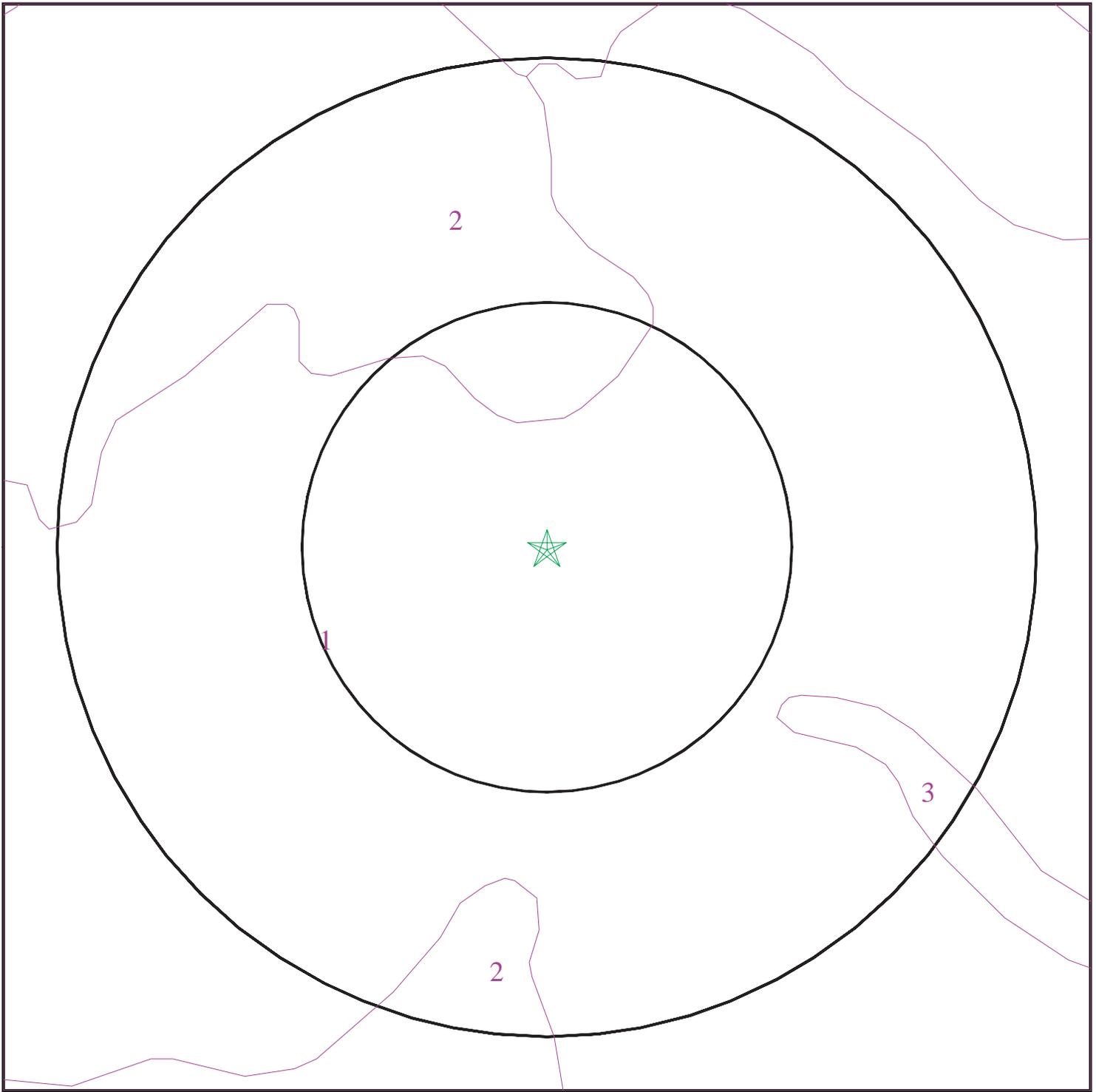
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

#### **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).

# SSURGO SOIL MAP - 2192405.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Vacaville Energy Center  
ADDRESS: Lewis Road/Fry Road  
Vacaville CA 95687  
LAT/LONG: 38.3389 / 121.8988

CLIENT: CH2M Hill, Inc.  
CONTACT: Lyna Black  
INQUIRY #: 2192405.2s  
DATE: April 10, 2008 7:31 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Capay

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	20 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	50 inches	79 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 2**

Soil Component Name: San Ysidro

Soil Surface Texture: sandy loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	14 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	27 inches	53 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
4	53 inches	68 inches	stratified sandy loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 3

Soil Component Name: Capay

Soil Surface Texture: clay

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

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	31 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	50 inches	61 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

### Soil Map ID: 4

Soil Component Name: Yolo

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	27 inches	44 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	44 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

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

### **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS3226765	1/4 - 1/2 Mile SSE
2	USGS3226762	1/4 - 1/2 Mile SSE
3	USGS3226778	1/2 - 1 Mile ESE
4	USGS3226798	1/2 - 1 Mile NNW
A5	USGS3226921	1/2 - 1 Mile South
8	USGS3226797	1/2 - 1 Mile NE
9	USGS3226813	1/2 - 1 Mile NNE
11	USGS3226804	1/2 - 1 Mile NW
12	USGS3226808	1/2 - 1 Mile NW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
10	CA4800586	1/2 - 1 Mile NW

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

## STATE DATABASE WELL INFORMATION

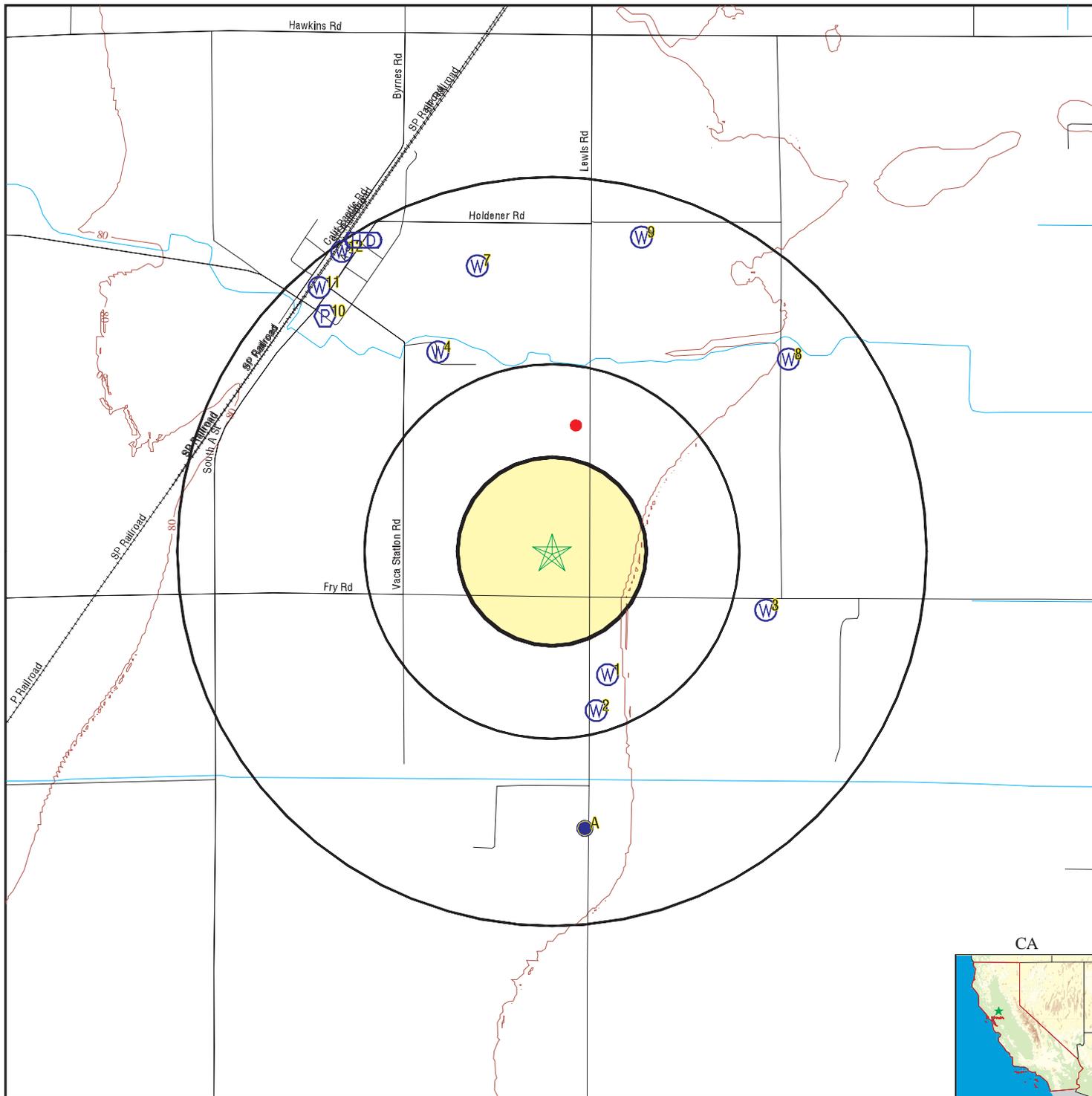
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A6	CADW10000039176	1/2 - 1 Mile South
7	6486	1/2 - 1 Mile NNW

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

<u>DISTANCE FROM TP (Miles)</u>	<u>DISTANCE FROM TP (Miles)</u>
1/4 - 1/2 Mile North	

# PHYSICAL SETTING SOURCE MAP - 2192405.2s



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

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



SITE NAME: Vacaville Energy Center  
 ADDRESS: Lewis Road/Fry Road  
 Vacaville CA 95687  
 LAT/LONG: 38.3389 / 121.8988

CLIENT: CH2M Hill, Inc.  
 CONTACT: Lyna Black  
 INQUIRY #: 2192405.2s  
 DATE: April 10, 2008 7:31 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**

**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS3226765**

Agency cd:	USGS	Site no:	382003121534201
Site name:	006N001E29M001M		
Latitude:	382003		
Longitude:	1215342	Dec lat:	38.33407793
Dec lon:	-121.89607425	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	SWNWSWS29T006NR001EM
Location map:	ELMIRA	Map scale:	24000
Altitude:	58.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19790719
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:	150	Hole depth:	150
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

**2**

**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS3226762**

Agency cd:	USGS	Site no:	381958121534401
Site name:	006N001E29N001M		
Latitude:	381958		
Longitude:	1215344	Dec lat:	38.33268907
Dec lon:	-121.8966298	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	NWSWSWS29T006NR001EM
Location map:	ELMIRA	Map scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	58.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19750823
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:	120	Hole depth:	120
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**3**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3226778**

Agency cd:	USGS	Site no:	382012121531401
Site name:	006N001E29L001M		
Latitude:	382012		
Longitude:	1215314	Dec lat:	38.33657787
Dec lon:	-121.88829625	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	Not Reported
Location map:	ELMIRA	Map scale:	24000
Altitude:	53.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19730519
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:	141	Hole depth:	141
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00	Water quality data count: 0
Ground water data begin date: 1980-05-16	Ground water data end date: 1980-05-16
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1980-05-16	4.23	

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

**FED USGS      USGS3226798**

Agency cd: USGS	Site no: 382048121541201
Site name: 006N001E19Q001M	
Latitude: 382048	
Longitude: 1215412	Dec lat: 38.3465776
Dec lon: -121.90440807	Coor meth: M
Coor acc: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 06
State: 06	County: 095
Country: US	Land net: Not Reported
Location map: ELMIRA	Map scale: 24000
Altitude: 70.00	
Altitude method: Interpolated from topographic map	
Altitude accuracy: 2	
Altitude datum: National Geodetic Vertical Datum of 1929	
Hydrologic: Lower Sacramento. California. Area = 1720 sq.mi.	
Topographic: Valley flat	
Site type: Ground-water other than Spring	Date construction: 19591009
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: 620	Hole depth: 692
Source of depth data: Not Reported	
Project number: 0479435800	
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: 1961-05-19
Water quality data end date: 1977-07-13	Water quality data count: 13
Ground water data begin date: 1980-02-06	Ground water data end date: 1980-02-06
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1980-02-06	19.44	

Note: The site had been pumped recently.

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A5**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3226921**

Agency cd:	USGS	Site no:	381942121534501
Site name:	006N001E32D001M		
Latitude:	381942		
Longitude:	1215345	Dec lat:	38.32824474
Dec lon:	-121.89690752	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	NWNWNWS32T006NR001EM
Location map:	ELMIRA	Map scale:	24000
Altitude:	59.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19701107
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:	141	Hole depth:	141
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

**A6**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADW10000039176**

Longn:	-121.8964
Latn:	38.3281
Stwellno:	06N01E31A001M
Districtco:	7
Wellusecod:	U
Countycode:	48
Gwcode:	502111
Site id:	CADW10000039176

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**7**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      6486**

**Water System Information:**

Prime Station Code:	06N/01E-19K02 M	User ID:	ENG
FRDS Number:	4800776001	County:	Solano
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	382100.0 1215405.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01 - ABANDONED		
System Number:	4800776		
System Name:	ELMIRA ELEMENTARY SCHOOL		
Organization That Operates System:	Not Reported		
Pop Served:	330	Connections:	Unknown, Small System
Area Served:	Not Reported		

**8**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3226797**

Agency cd:	USGS	Site no:	382047121531001
Site name:	006N001E20Q001M		
Latitude:	382047	Dec lat:	38.34629985
Longitude:	1215310	Coor meth:	M
Dec lon:	-121.88718526	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	095
State:	06	Land net:	NWSWSES20T006NR001EM
Country:	US	Map scale:	24000
Location map:	ELMIRA		
Altitude:	59.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19730522
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:	134	Hole depth:	134
Source of depth data:	Not Reported		
Project number:	8479423711		
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:	1980-02-06	Ground water data end date:	1980-02-06
Ground water data count:	1		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-02-06	3.12	

1980-02-06 3.12

Note: The site was being pumped.

**9**

**NNE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS3226813**

Agency cd:	USGS	Site no:	382104121533601
Site name:	006N001E20M002M		
Latitude:	382104		
Longitude:	1215336	Dec lat:	38.35102194
Dec lon:	-121.8944078	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	NENWSWS20T006NR001EM
Location map:	ELMIRA	Map scale:	24000
Altitude:	60.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19790516
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:	150	Hole depth:	150
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Daily flow data end date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data begin date:	Not Reported	Water quality data begin date:	Not Reported
Peak flow data count:	Not Reported	Water quality data count:	Not Reported
Water quality data end date:	Not Reported	Ground water data begin date:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**10**

**NW  
1/2 - 1 Mile  
Higher**

**FRDS PWS      CA4800586**

PWS ID:	CA4800586	PWS Status:	Active
Date Initiated:	9307	Date Deactivated:	Not Reported
PWS Name:	ELMIRA WATER COOPERATIVE MARGE SHOLES AU HAZEN ST ELMIRA, CA 95625		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**12**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3226808**

Agency cd:	USGS	Site no:	382102121542901
Site name:	006N001E19L009M		
Latitude:	382102		
Longitude:	1215429	Dec lat:	38.35046639
Dec lon:	-121.90913051	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	NWNESWS19T006NR001EM
Location map:	ELMIRA	Map scale:	24000
Altitude:	70.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19720315
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:	141	Hole depth:	141
Source of depth data:	Not Reported		
Project number:	8479423711		
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:	1980-02-06	Ground water data end date:	1980-02-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

-----  
 1980-02-06    1.6

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction \_\_\_\_\_ Database \_\_\_\_\_ EDR ID Number \_\_\_\_\_  
 Distance \_\_\_\_\_

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

**OIL\_GAS CAOG30000189800**

Apinumber:	09520113	Operator:	Professional Oil Mgmt., Inc.
Lease:	Getty-Evanikoff	Well no:	81-30
Field:	Not Reported	Caoilgas m2 area:	Not Reported
Map:	612	Status cod:	006
Source:	Not Reported		
Latitude:	38.34382		
Longitude:	-121.89656		
Td:	0		
Sec:	30		
Twn:	6N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192076
Site id:	CAOG30000189800		

# 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
95687	15	2	13.33

Federal EPA Radon Zone for SOLANO County: 3

- 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: 95687

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.529 pCi/L	71%	29%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 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 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

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

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS:** Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **Water Well Database**

Source: Department of Water Resources

Telephone: 916-651-9648

#### **California Drinking Water Quality Database**

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### **California Oil and Gas Well Locations**

Source: Department of Conservation

Telephone: 916-323-1779

### RADON

#### **State Database: CA Radon**

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## OTHER

**Airport Landing Facilities:** Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

**Epicenters:** World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

**California Earthquake Fault Lines:** The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

## STREET AND ADDRESS INFORMATION

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**Attachment 3**  
**Shallow Groundwater Quality Report**

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August 23, 2005  
File No. 05-4-051

Ms. Jacqueline McCall  
Water Quality Manager, Department of Public Works  
City of Vacaville  
6040 Vaca Station Road  
Elmira, CA 95625

**SUBJECT: SHALLOW GROUNDWATER QUALITY IN THE VICINITY OF THE  
EASTERLY WASTEWATER TREATMENT PLANT, SOLANO COUNTY, CA**

Dear Ms. McCall:

Per your request, Luhdorff and Scalmanini, Consulting Engineers (LSCE) has prepared this letter report investigating shallow groundwater quality in the vicinity of the City of Vacaville's Easterly Wastewater Treatment Plant (EWWTP) located at 6040 Vaca Station Road, Elmira, CA 95625 (**Figure 1**).

This investigation is in response to Order WQO 2002-0015 issued by the California State Water Resources Control Board (State Board) remanding Waste Discharge Requirements (WDRs) Order No. 5-01-044 to the Central Valley Regional Water Quality Control Board (RWQCB) for appropriate modifications.

Specifically, the State Board objects to the RWQCB's lenient language regarding potential impacts to groundwater quality as in *Finding 32* of the RWQCB's Order No. 5-01-044: "*Current monitoring data has not identified significant changes of groundwater quality as a result of the operation of the wastewater treatment facility.*" The State Board contends that based on the historical variability of electrical conductivity (EC) values, total dissolved solids (TDS) and nitrate-N (nitrate as nitrogen) concentrations, and pH in samples retrieved from the five monitoring wells, the water quality record does not appear to support the RWQCB's findings. The State Board also criticizes the lack of information on monitoring well locations. Specifically, the State Board concludes (page 62, State Board Order WQO 2002-0015):

"Without more information on well location and some explanation of the changes in nitrate-N, TDS and pH concentrations, the Board is unable to draw any meaningful conclusions from the monitoring data. The Board will remand this issue to the Central Valley Regional Board for clarification. If the treatment plant's operation has caused groundwater quality changes, Vacaville should be given the opportunity to submit

information demonstrating that the changes meet the criteria in Resolution No. 68-16. If increases in nitrate-N concentrations over the MCL in groundwater are, in fact, due to the Easterly treatment plant operation, these changes would not meet the Resolution No. 68-16 criteria.”

## SCOPE

The purpose of this letter report is to determine whether or not the historical operation of the EWWTP has caused groundwater quality changes in its vicinity and, if applicable, delineate the sources of such changes.

## EWWTP OPERATION

The plant was initially constructed in 1959 and has been expanded several times since then. The plant provides secondary treatment, employing activated sludge reactors and secondary clarifiers with nitrification. The treatment plant capacity was designed for 10 million gallons per day (mgd) average dry weather flow (ADWF); it averaged 6.9 mgd ADWF in 1997. Construction work to expand the plant commenced in late 2000 and continues through the present. At the end of the Phase I construction in 2006, the facility will have a design flow capacity of 15 mgd (ADWF). The expanded facility layout is shown on **Figure 2**.

## MONITORING NETWORK

The City maintains a network of five shallow monitoring wells, MW #1 through MW #5, in the vicinity of the plant (**Figure 1**). These wells were constructed between 1990 and 1994 to a depth of 30 to 35 feet below ground surface (bgs) (**Table 1**). MW #1 is located in very close proximity to the northwest corner of the decommissioned West Pond and Old Alamo Creek. MW #2 and MW #3 are located about 550 and 850 feet east of the West Pond, respectively. MW #4 and MW #5 are located about 2,500 to 3,000 feet southeast of the southeast corner of the West Pond on historically farmed agricultural land.

## POTENTIAL SOURCES FOR GROUNDWATER CONTAMINATION

### Old Alamo Creek and SID Canal

Treated effluent wastewater is discharged to Old Alamo Creek and flows eastward along the northern facility boundary. The creek was identified as a major source of groundwater recharge and contributor to near-surface groundwater levels in the area (*Investigation of Shallow Groundwater, Elmira Project Final Report, August 1988* [LSCE, 1988]). The EWWTP's wastewater effluent discharge constitutes the greatest flow component of the creek; other flows include a small amount of natural flow (in the winter months, if any), agricultural tailwater, and urban stormwater runoff from the City of Vacaville (prior to 1988).

Irrigation water infiltration along the unlined portion of the Solano Irrigation District's (SID) canal north of the EWWTP (paralleling the creek) was also found to contribute to groundwater recharge during the irrigation season (LSCE, 1988).

### **West Pond and East Pond**

The unlined West Pond and East Pond were used for temporary storage of effluent prior to its discharge to the creek (**Figure 3**). Thus, losses of effluent from these ponds to deep percolation would affect the quality of underlying groundwater similarly to recharge from the creek. The West Pond typically contained effluent between October and May/June until it was decommissioned in 2003 to allow plant expansion and modernization. The East Pond has not been operated or received effluent since 1990. Also, the East Pond was largely removed when the most recent plant expansion occurred. Its former location is now occupied by new facilities such as paved parking lots, the administrative building, and primary and secondary treatment facilities (**Figure 2**).

Effluent quality data from 1994 and 1995 (as monitored at the outfall to Old Alamo Creek) show an EC ranging from 800 to 1,182  $\mu\text{S}/\text{cm}$  with an average of 969  $\mu\text{S}/\text{cm}$  (41 samples); a pH (standard pH units) ranging from 6.8 to 7.7 (monthly average of daily measurements) with an average of 7.2 (730 samples); and TDS concentrations ranging from 471 to 670 mg/L with an average of 584 mg/L (44 samples). Nitrate-N concentrations ranged from 8 to 21.3 mg/L (1996-1997) and from 4.8 to 16.4 mg/L (1998-1999; 20 monthly samples) averaging 10.2 mg/L in 1998 and 13.1 mg/L in 1999.

### **Lagoons**

Two sloped tile-lined sludge holding lagoons, located in the eastern portion of the plant, received sludge from a secondary anaerobic digester at about 2% solids through 2004 (**Figure 3**). Drained water was collected and returned to the plant's headworks. During the wet weather months, solids cake (8 – 12% solids) was hauled to the Biosolids Storage Lagoon #3. Each year, starting in late spring, the stored cake was excavated and hauled to the Interim Biosolids drying area and ultimately hauled to B&J Landfill. Biosolids samples retrieved in April and October 2004 contained 40 and <7 mg/kg nitrate-N on a dry weight basis, respectively. The Biosolids Storage Lagoon #3 was not lined, but it was equipped with a French Drain system to remove leachate. The Interim Biosolids drying area had a compacted soil base and a drain system. Drained fluids from the Interim Biosolids drying area and the storage lagoon were returned to the plant's headworks.

The potential for groundwater contamination posed by the lagoons and biosolids drying facilities is considered low as tiled floors and drain systems were installed to prevent deep percolation of leachate. The old lagoons have been decommissioned since 2001 and replaced with new state-of-the-art facilities during the plant expansion. The new facilities eliminate the potential for movement of waste products into the subsurface.

## Soil Fields

Soil Fields #1 and #2 located south of the plant (**Figure 1**) received biosolids applications in 1989, 1990, 1992, and 1993. Soil Field #3 received biosolids applications only in 1990, 1992, and 1993. Since then, these fields have not received any biosolids from the plant. In 1995 and 1997, soil samples were retrieved from depths of 7 and 15 inches. Nitrate concentrations in the samples retrieved from the 7-inch depth samples ranged from 10 to 47 mg/kg (dry weight). Nitrate concentrations in the samples retrieved from the 15-inch depth samples ranged from 5.4 to 31 mg/kg (dry weight). Field #4, used as a control field, never received biosolids applications. Nitrate concentrations in the control field ranged from 7.6 to 13 mg/kg (dry weight) at depths of 15 and 7 inches, respectively.

## Local Agricultural Land Use

Fields #1 through #4 and north to Holdener Road (**Figure 1**) have been farmed historically as irrigated croplands. Irrigation water is provided via the SID canal, although the land has periodically been dry farmed as well. All fields have received fertilizers in the course of being farmed.

## GROUNDWATER LEVELS

Groundwater elevations in the three on-site monitoring wells (MW #1, MW #2, and MW #3) ranged from about 59 to 66 feet, mean sea level (msl) prior to Fall 2000, with the highest and lowest water levels typically observed in MW #1 and MW #3, respectively (**Figure 4**). Seasonal water level fluctuations were on the order of three to five feet, and the gradient beneath the plant was typically between 0.0004 to 0.0015.

Contours of equal groundwater elevation are provided for January 2005 (**Figure 5**), a period of high water levels, and April 2002 (**Figure 6**), a period of low water levels. During both of these periods, groundwater flow was roughly to the southeast, with gradients between MW #1 and MW #5 of 0.0016 and 0.0018, respectively.

In Winter 2000/01, water levels in MW #2 and MW #3 did not recover, but rather levels continued to decline to 56.44 and 54.74 feet (msl), respectively, by mid-2001. Water levels stayed notably depressed until 2004, when sustained recovery was observed. Generally, similar water level trends were also observed in MW #1 during this period.

The lowest water levels during the monitoring period (with the exception of 2001) were consistently observed in MW #4 and MW #5. Water levels in these two off-site wells have been stable and range between 53 and 60 feet (msl).

Groundwater beneath the EWWTP occurs within a few feet of the ground surface. The shallowest depths to groundwater occur at MW #1 (about 4 to 12 feet, below ground surface). The pond floor near MW #1 is at an elevation of about 65 feet (msl), which indicates that groundwater has periodically intersected the pond floor. At MW #2 and MW #3, the depth to

groundwater has ranged from about 7 to 18 feet (bgs). The water level records for MW #4 and MW #5 show that groundwater levels southeast of the plant site are commonly even shallower than under the facility. Specifically, groundwater levels are usually less than 4 feet, bgs (MW #4) and less than 6 feet, bgs (MW #5). Occasionally, groundwater is at the land surface at these locations.

The near-surface water table was also reported in *Investigation of Shallow Groundwater, Elmira Project Final Report* (LSCE, 1988). In 1987, 48 temporary monitoring wells were installed at selected sites on 200-foot centers to depths of 4 to 6 feet to investigate shallow groundwater movement in the plant's vicinity (**Figure 7**). Bi-weekly to monthly water level measurements were obtained from October 1987 to July 1988 (**Attachment**). During this time, the direction of flow south of Old Alamo Creek was predominantly to the east and southeast. North of the creek, the direction of flow was predominantly to the east and northeast. The creek acted as a source of recharge to groundwater during much of the monitoring period. The SID canal north of the plant also contributed to high groundwater levels during the irrigation season.

The lowered water levels observed in late 2000 and early 2001 are associated with excavation activities (starting in late 2000) and the associated dewatering of construction pits (starting in early 2001) during the expansion of the EWWTP. Although there are no records of the exact timing and magnitude of the dewatering activities, dewatering is known to have continued through early 2005 (the last pump was removed in January/February 2005). Water extracted from the pits was added to the plant's inflow for treatment and ultimately discharged to the creek.

Wells most affected by the dewatering were MW #2 and MW #3, as most construction related excavation occurred in close proximity to these wells (in the area of the former East Pond and east of it). The upgradient well, MW #1, was less affected by pit dewatering most likely due to its relative remoteness, and its closer proximity to the creek and local recharge from creek bed infiltration.

High summer water levels have been observed in MW #4 and MW #5 (since the monitoring frequency has been increased from a semi-annual to a quarterly schedule) indicating that deep percolation of irrigation water is also a source of groundwater recharge. High summer water levels were also observed in the network of 48 temporary monitoring wells in 1988.

## **WATER QUALITY**

### **Electrical Conductivity**

Samples retrieved from MW #1 had electrical conductivity (EC) values ranging from 760 to 940  $\mu\text{S}/\text{cm}$  in 1994; EC increased to about 1,300  $\mu\text{S}/\text{cm}$  in 1995, and continued to fluctuate between 1,000 and 1,200  $\mu\text{S}/\text{cm}$  through 1999 (**Figure 8**). From mid-1999 to mid-2001, the EC decreased at this location to about 700  $\mu\text{S}/\text{cm}$ ; it then briefly increased in the latter half of 2001 and has since been stable around 700  $\mu\text{S}/\text{cm}$ .

The EC values observed in MW #2 have decreased from the beginning of the water quality record for this well. Particularly, EC values declined from 2,040  $\mu\text{S}/\text{cm}$  in January 1994 to less than 1,000  $\mu\text{S}/\text{cm}$  since the beginning of 2003. This represents an average decline of 100  $\mu\text{S}/\text{cm}$  per year between January 1994 and January 2005. Most notably, the EC dropped by 350  $\mu\text{S}/\text{cm}$  in 2001, the year when excavation dewatering commenced.

The EC of samples retrieved from MW #3 increased steadily from about 2,000  $\mu\text{S}/\text{cm}$  in 1994 to about 2,500  $\mu\text{S}/\text{cm}$  in mid-1999, and then decreased to 1,970  $\mu\text{S}/\text{cm}$  by March 2001. A significant decline (350  $\mu\text{S}/\text{cm}$ ) occurred between November 2000 and March 2001; this decline coincided with the commencement of excavation dewatering. Since 2001, the EC continued to decline another 400  $\mu\text{S}/\text{cm}$  to less than 1,600  $\mu\text{S}/\text{cm}$  in 2005.

The EC results for samples retrieved from MW #4 show little variability over the historical record; EC values ranged from 840 to 1,050  $\mu\text{S}/\text{cm}$ . A slight increase of about 100  $\mu\text{S}/\text{cm}$  occurred during 2001. Similar to MW #4, the EC in MW #5 has been stable throughout the monitoring period with values in 2005 similar to those in 1994 (between 1,500 and 1,600  $\mu\text{S}/\text{cm}$ ). EC values observed in MW #5 have been consistently about 500  $\mu\text{S}/\text{cm}$  higher than in MW #4, although it is farther removed from the EWWTP than MW #4.

In April and May 1988, groundwater quality samples were retrieved from ten temporary shallow monitoring wells in the vicinity of the EWWTP (**Figure 9**). At the same time, surface water samples were retrieved from Old Alamo Creek upstream from the plant at CR1, just downstream of the effluent outfall at CR2, and from the SID canal at the sampling location identified as "S/D" on **Figure 9**. The EC values of upstream and downstream creek water samples were 334 and 773  $\mu\text{S}/\text{cm}$ , respectively. The SID canal had an EC of 287  $\mu\text{S}/\text{cm}$ . Groundwater from wells north of the creek had EC's ranging from 820  $\mu\text{S}/\text{cm}$  at C-3 (closest to the creek) to 3,640  $\mu\text{S}/\text{cm}$  at B-1 (furthest removed from the EWWTP). Wells located immediately downgradient from the plant had EC values ranging from 993  $\mu\text{S}/\text{cm}$  at G-5 to 1,600  $\mu\text{S}/\text{cm}$  at H-3, and as high as 5,120  $\mu\text{S}/\text{cm}$  at F-4. Further downgradient at I-1, the EC was 1,210  $\mu\text{S}/\text{cm}$ , and cross-gradient well H-8 had an EC of 1,150  $\mu\text{S}/\text{cm}$ .

## pH

The three on-site monitoring wells (MW #1, #2, and #3) have similar pH values. MW #1 exhibits slightly higher concentrations than MW #2, and MW #3 exhibits slightly lower concentrations than MW #2 (**Figure 10**). Minor apparent fluctuations are closely correlated between these wells. The median pH concentrations for samples from these wells during 1994 to 2005 are 7.12, 7.01, and 6.96, respectively. Notably, the pH concentrations decrease with increasing distance from the creek. The data record for MW #1 shows somewhat higher variability than the other on-site wells, particularly in 1995.

The pH values for MW #4 and MW #5 are slightly higher than in the on-site wells, with median values of 7.43 and 7.36, respectively; the variability is also somewhat greater. Over the period of record, the pH has been generally stable.

## Nitrate-N

Nitrate-N concentrations in samples from MW #1 spiked from nondetect (<0.1 mg/L) in early 1994 to 30.1 mg/L in early 1995, then subsequently dropped to about 10 mg/L by the end of 1995, and continued to gradually decline to near zero concentrations in 2001 (**Figure 11**). Since then, nitrate-N concentrations have remained below 0.5 mg/L and have been generally non-detectable at a detection limit of 0.1 mg/L.

In contrast to the wide variability observed at MW #1, nitrate-N concentrations in MW #2 have always been very low and did not exceed 0.7 mg/L until early 2001 when dewatering commenced. In mid-2001, nitrate-N concentrations were up to 2.3 mg/L and then slowly declined to 0.7 mg/L in 2005.

Nitrate-N concentrations in samples retrieved from MW #3 slowly declined from about 5 mg/L in 1994 to 0.2 mg/L in early 1999. Nitrate concentrations increased again in late 1999 and continued this trend at an accelerated rate from early 2001 (shortly after excavation dewatering commenced) until April 2004. A slight decrease in nitrate has been noted since then.

The historical record shows stable nitrate-N concentrations at MW #4, ranging from 1.0 to 5.3 mg/L. MW #5, though, has experienced a steady increase in nitrate-N concentrations from less than 6 mg/L in 1994 to about 12 mg/L in 2005. There are two notable concentration fluctuations that occurred in wells MW #4 and MW #5 (in 1995 and in 2004). In 1995, nitrate-N concentrations spiked to 5.3 mg/L and 15 mg/L in MW #4 and MW #5, respectively. These spikes coincided with the aforementioned nitrate-N spike in MW #1.

The water quality results for the April/May 1988 sampling event showed nitrate-N concentrations for upstream and downstream creek water samples of <1 and 8.1 mg/L, respectively. Similar to the upstream creek location, nitrate-N was not detected in the SID canal. Groundwater from wells north of the creek had nitrate-N concentrations ranging from <1 mg/L (A-4) to 5.6 mg/L (B-1). Wells located immediately downgradient from the plant had concentrations ranging from <1 mg/L (G-4, G-5, and H-3) to 15 mg/L at E-4. Further downgradient at I-1, the concentration was 2.1 mg/L, and cross-gradient well H-8 had a concentration of 1.4 mg/L.

## Other Water Quality Data

The proportional abundance of major cation and anion concentrations, as exhibited in the samples from the 1988 sampling event, was plotted on trilinear diagrams (**Figures 12 and 13**). The close clustering of data points on these diagrams reflect the similar water type in most wells, including creek water quality near the effluent outfall (CR2), with sodium (40 to 60%) being the major cation at most locations (**Figure 12**). Creek water from the upstream location CR1 and the irrigation canal were distinctly different with higher proportional representation of magnesium. Downgradient wells H-3 and I-1 had distinctly greater sodium concentrations. The anion clustering was not quite as dense; however, CR1 and the canal exhibit a relatively

higher abundance of bicarbonate (**Figure 13**). Well B-1 stands out due to its high sulfate concentration.

The creek water at CR1, the canal water, and groundwater at C-3 were classified as magnesium-bicarbonate type. Groundwater from most of the temporary shallow wells was classified as sodium-bicarbonate type. Exceptions were B-1 and H-3, both of which had proportionately higher sulfate concentrations.

## **DISCUSSION AND CONCLUSIONS**

Ongoing groundwater quality monitoring occurred in the vicinity of the EWWTP for the period from 1994 to the present. Data also exist from an isolated sampling event in Spring 1988. Since the EWWTP has been in operation since its construction in 1959, a comparison of pre-project conditions to project conditions is not possible.

Groundwater level data from MW #1 through MW #5 show that shallow groundwater predominantly flows in easterly to southeasterly directions south of Old Alamo Creek. Groundwater level data from 48 temporary shallow wells (October 1987 to July 1989) identified the creek as a major source of groundwater recharge. This is also supported by the distribution of major cations and anions in both wastewater effluent and groundwater. Creek water just downstream of the effluent outfall was characterized as sodium-bicarbonate type, and groundwater of a similar type was observed in all temporary shallow wells downgradient of the plant. In contrast, SID water, creek water upstream of the plant, and groundwater in C-3 north of the creek were classified as magnesium-bicarbonate type.

There are only small differences in pH concentrations among the three on-site monitoring wells; however, these differences appear significant. The correlation between the subtle fluctuations in pH values observed at wells MW #1, MW #2, and MW #3 indicates a common source.

High summer water levels observed in MW #4 and MW #5, and the Summer 1988 data from the temporary monitoring wells, indicate that deep percolation of irrigation water is also a source of groundwater recharge. This is supported by pH values that are somewhat elevated compared to those observed in on-site wells MW #1 through MW #3. The SID water has a significantly higher pH (8.1 in 1988) than the effluent (averaging 7.2 in 730 daily samples retrieved in 1994 to 1995), and the fields adjacent to the plant are irrigated with SID water.

Deep percolation of irrigation water also appears to have mobilized nitrate residue, however, the historical water quality data record is insufficient to definitively determine to what degree the slightly elevated nitrate-N concentrations observed in MW #5 (about 12 mg/L) is attributable to historical and ongoing agricultural land uses or the limited period of application of biosolids on Fields #1 through #3. However, even though wells MW #4 and MW #5 are located on the eastern boundary of Field #3, MW #5 has exhibited greater increase in nitrate-N concentrations (an increase of about 7 mg/L) over its period of record than exhibited at MW #4 (an increase of about 1.5 to 2 mg/L). As noted above, EC values at MW #5 (which is further downgradient of the EWWTP than MW #4) have been consistently about 500  $\mu\text{S}/\text{cm}$

greater than at MW #4. These factors suggest that the contributing source of the nitrate-N increase is more likely due to historical agricultural land use than the limited period of biosolids applications.

Above, a correlation is noted between a spike in nitrate concentrations in 1995 at wells MW #1, MW #4, and MW #5. These spikes are possibly explained by high groundwater levels that occurred in early 1995 causing increased mobilization of nitrate in the soil profile. Groundwater intersected the bottom of the West Pond in early 1995, and a local groundwater mound and reversal of the groundwater gradient toward MW #1 may have occurred.

Infiltration from the West and East Ponds is not directly evident on groundwater contour maps but seems likely based on the shallow depths to groundwater.

Evidence for groundwater recharge via infiltration from the early sludge lagoons is not apparent from groundwater contour maps, and the water quality records from MW #2 and MW #3 suggest that the impacts of the sludge lagoons prior to the recent plant modifications were minimal due to mitigation measures such as the tile liners and the various drain systems. More recently, during expansion construction activities, it appears that excavation work near MW #3 resulted in the mobilization of nitrate, as nitrate concentrations exhibited a notable increase between early 2001 and mid-2004 coincident with construction activities implemented at the plant. The elevated nitrate concentrations observed in well MW #3 are expected to continue to decline since potential sources for nitrate loading have been removed and the newly installed lagoons are fully lined; however, it is recommended that groundwater quality sampling be continued.

The steady decline in EC in the three on-site monitoring wells (MW #1 through MW #3) and essentially stable conditions observed in the downgradient off-site wells MW #4 and MW #5 over the entire monitoring history are indicative of successful operational changes at the EWWTP such as the decommissioning of the East Pond in 1990 and West Pond in 2003; and cessation of biosolids applications in 1993. Also, the excavation of potentially impacted soils during expansion construction activities and the replacement of old sludge lagoons with new facilities have further mitigated potential sources of groundwater contamination. Since 2001, the EC values in all wells but MW #3 have been significantly lower than in MW #5; and, after five years of steady decline, the EC at MW #3 reached a historical low in 2005 (with the exception of an isolated measurement in 1995) and is now similar to the EC observed in MW #5 for more than 11 years.

#### **SUMMARY OF KEY FINDINGS**

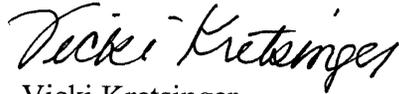
- Creek bed infiltration along the effluent-dominated Old Alamo Creek provides a major source for groundwater recharge in the vicinity of the EWWTP. This recharge contributes to shallow groundwater levels and affects the local shallow groundwater quality.

- Irrigation water infiltration along the unlined portion of the SID canal paralleling Old Alamo Creek contributes to groundwater recharge during the irrigation season.
- Deep percolation of irrigation water south of the plant contributes to groundwater recharge during the irrigation season and has the potential to mobilize soil nitrate and other constituents.
- Infiltration from the West and East Ponds is not directly evident on groundwater contour maps but seems likely based on the shallow depths to groundwater. Such infiltration would affect the quality of underlying groundwater similarly to recharge from the creek.
- Evidence for groundwater recharge via infiltration from the early sludge lagoons is not apparent from groundwater contour maps, and the water quality record suggests that the impacts of the sludge lagoons prior to the recent plant modifications were minimal.
- The EC at MW #4 and MW #5 has been generally stable throughout the more than 11-year period of monitoring (1994-2005). Notably, EC values have been about 500  $\mu\text{S}/\text{cm}$  greater at MW #5 than at MW #4. Additionally, MW #5 is located further downgradient from the plant site than MW #4. The higher EC values suggest historical agricultural practices are a contributory factor to the water quality observed at MW #5.
- The historical water quality data record is not sufficient to definitively delineate to what degree the slightly elevated nitrate-N concentration observed in MW #5 (about 12 mg/L) is attributable to historical and ongoing agricultural land uses or the application of biosolids. However, the higher EC at this location, and difference in the nitrate-N trend occurring over the historical record, suggest that agricultural land use is the greater contributing factor.
- The EC in the on-site monitoring wells has significantly decreased for the past six or more years, and is presently still declining (MW #2 and #3) or stable (MW #1). Particularly, EC values in MW #1 and MW #2 have declined to concentrations similar to those displayed in off-site well MW #4. Further, the EC values in well MW #3 have recently declined to levels consistent with those observed for more than eleven years in off-site well MW #5. Nitrate concentrations are very low and stable at locations MW #1 and MW #2. These trends are indicative of the operational changes at the EWWTP such as the decommissioning of the East Pond in 1990 and West Pond in 2003; and cessation of biosolids applications in 1993. Also, the excavation of potentially impacted soils during expansion construction activities and the replacement of old sludge lagoons with new facilities have further mitigated potential sources of groundwater contamination.
- It appears that excavation work near MW #3 resulted in the temporary mobilization of soil nitrate, as reflected by increasing nitrate concentrations in MW #3 between 2001 and 2004. During the last three quarters, nitrate concentrations have steadily decreased again, and it is anticipated that this trend will continue in the long-term.

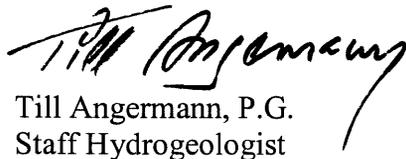
Please call if you have any questions.

Sincerely,

LUHDORFF AND SCALMANINI  
CONSULTING ENGINEERS



Vicki Kretsinger  
Principal Hydrologist



Till Angermann, P.G.  
Staff Hydrogeologist



TEA/vk

Cc: Mr. Dave Tompkins, City of Vacaville

**Enclosures:**

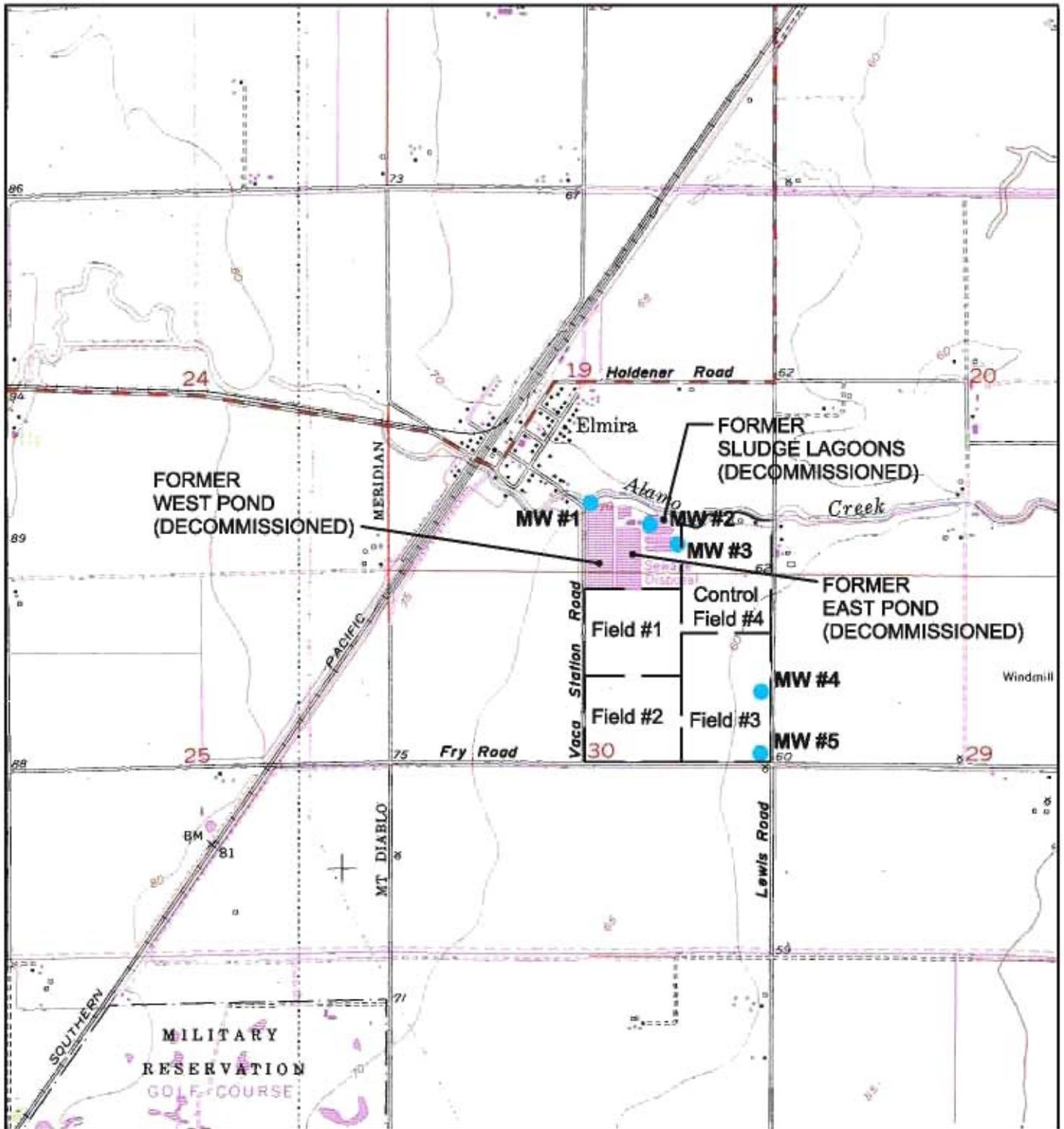
- |            |  |
|------------|--|
| Table 1    | Well Construction Details  |
| Figure 1   | Site Location Map, Easterly Wastewater Treatment Plant, Vacaville, CA            |
| Figure 2   | Site Plan, EWWTP – Vacaville, CA   |
| Figure 3   | Interim Biosolids Drying and Storage Facilities, EWWTP – Vacaville, CA           |
| Figure 4   | Groundwater Hydrographs for Shallow Monitoring Wells, EWWTP – Vacaville, CA      |
| Figure 5   | Contours of Equal Groundwater Elevation, January 19, 2005, EWWTP – Vacaville, CA |
| Figure 6   | Contours of Equal Groundwater Elevation, April 11, 2002, EWWTP – Vacaville, CA   |
| Figure 7   | Temporary Monitoring Facilities (1987/88), EWWTP – Vacaville, CA                 |
| Figure 8   | Electrical Conductivities in Shallow Monitoring Wells, EWWTP – Vacaville, CA     |
| Figure 9   | Spring 1988 Monitoring Results, EWWTP – Vacaville, CA                            |
| Figure 10  | pH in Shallow Monitoring Wells, EWWTP – Vacaville, CA                            |
| Figure 11  | Nitrate Concentrations in Shallow Monitoring Wells, EWWTP – Vacaville, CA        |
| Figure 12  | Trilinear Plot of Relative Cation Concentrations, EWWTP – Vacaville, CA          |
| Figure 13  | Trilinear Plot of Relative Anion Concentrations, EWWTP – Vacaville, CA           |
| Attachment | Historical Groundwater Level and Quality Data (1987-1988)                        |

**Table 1**  
**Well Construction Details**  
**Easterly Wastewater Treatment Plant, City of Vacaville**

<b>Well Name</b>	<b>Date Drilled</b>	<b>Depth of Borehole (feet)</b>	<b>Cement Seal (feet)</b>	<b>Bentonite Seal (feet)</b>	<b>Gravel Pack (feet)</b>	<b>Perforated Interval (feet)</b>	<b>Casing Material</b>	<b>Top of Casing<sup>1</sup> (feet, msl)</b>	<b>Top of Casing<sup>1</sup> (feet, msl)</b>	<b>Top of Housing<sup>1</sup> (feet, msl)</b>	<b>Ground Surface Elevation<sup>1</sup> (feet, msl)</b>
MW1	10/18/1990	35	0 - 17	17 - 22	22 - 33	23 - 33	PVC	72.19	73.86	74.11	72.0
MW2	10/18/1990	35	0 - 20	20 - 25	25 - 35	25 - 35	PVC	74.63	74.63	75.06	73.5
MW3	10/19/1990	30	0 - 14	14 - 19	19 - 30	20 - 30	PVC	72.98	73.55	73.63	72.1
MW4	1993/94	35 <sup>2</sup>					Sch. 40 PVC 2" <sup>3</sup>	61.38	61.38	61.58	59.2
MW5	1993/94	35 <sup>2</sup>					Sch. 40 PVC 2" <sup>3</sup>	61.88	61.88	61.95	58.6

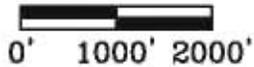
**Notes:**

1. Phillippi Engineering, Inc. (letters dated 11/19/1990 and 7/12/1994); all surveyed elevations are based on NGVD 1929. Using the top of PVC casing of MW #2 as the reference elevation, the relative elevation differences between wells MW #1 , #2 , and #3 were resurveyed August 2, 2005 by Luhdorff and Scalmanini, Consulting Engineers (*italic font style*).
2. Well permit application dated 7/30/1993.
3. Layne-Western bid schedule (letter dated 7/29/1993).



REFERENCE: USGS 7.5 Minute Quadrangle, Elmira, California.

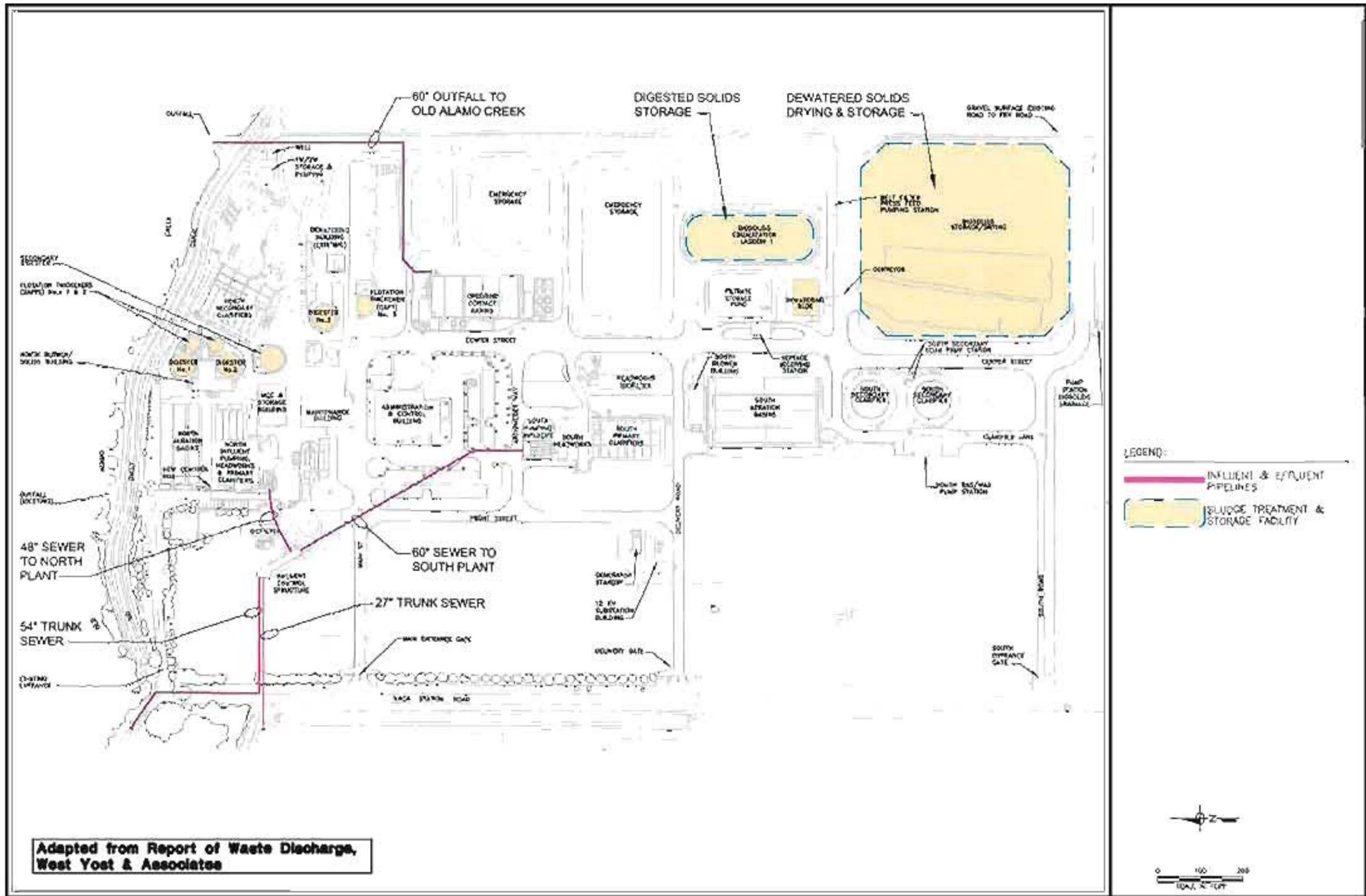
Scale in Feet



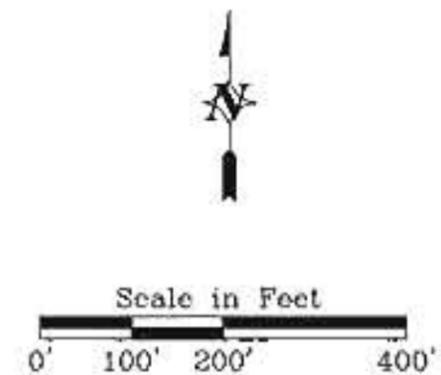
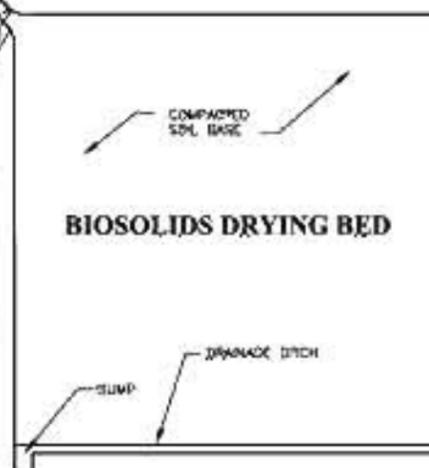
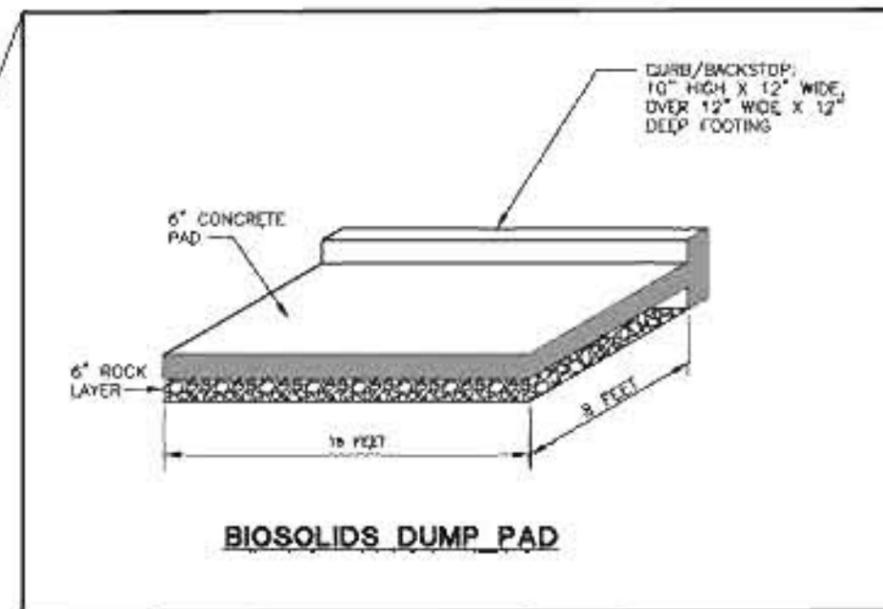
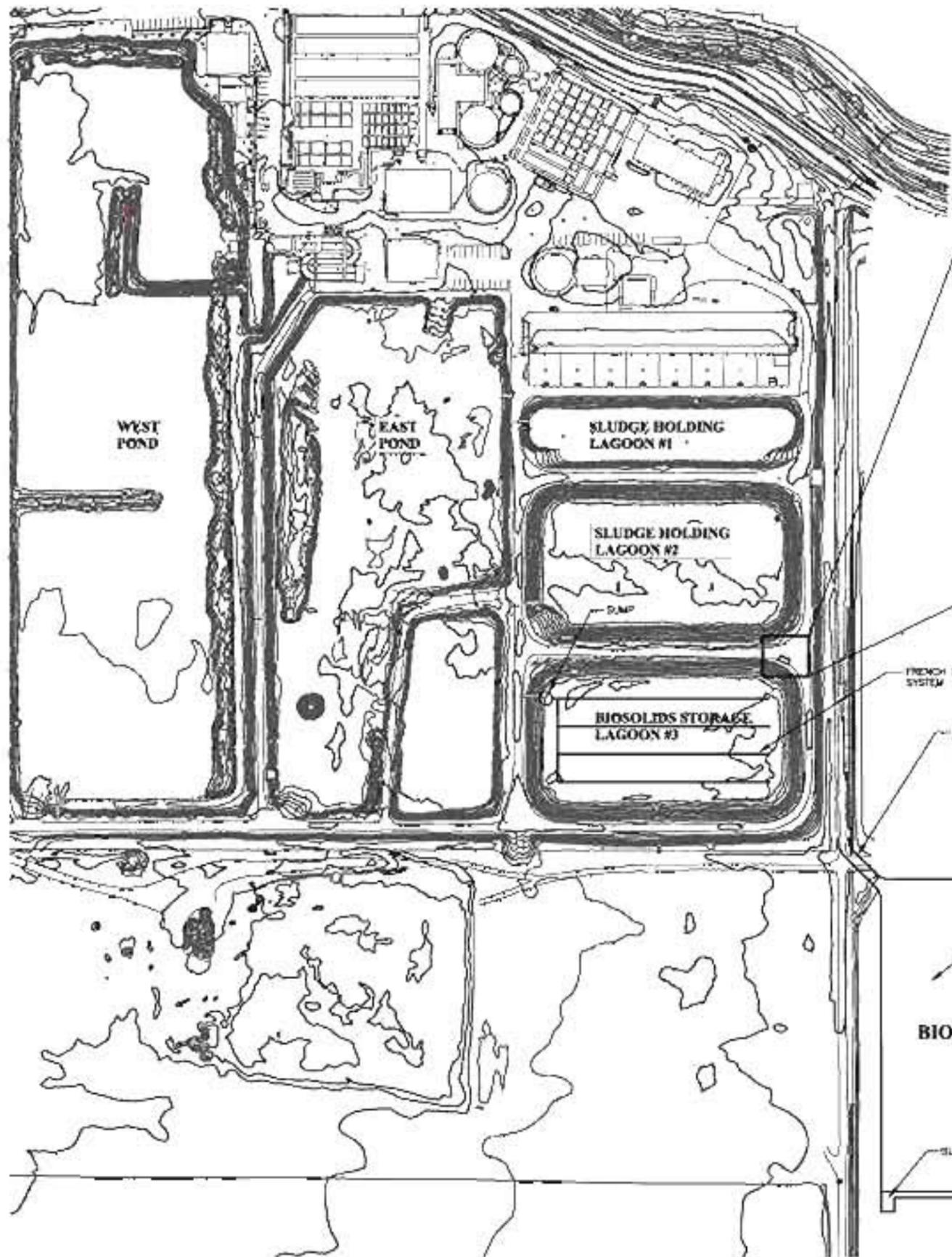
● MW #4 SHALLOW MONITORING WELL



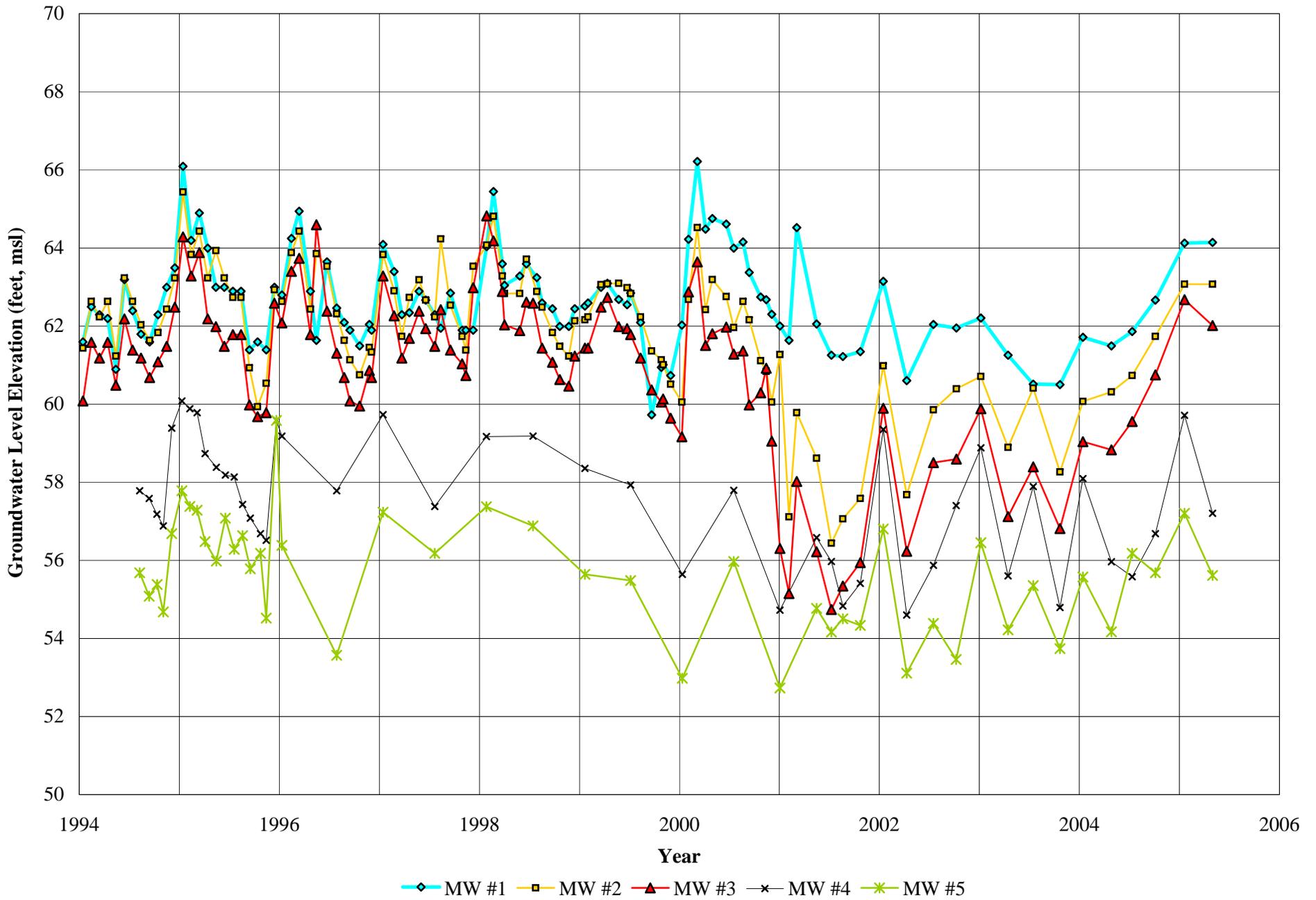
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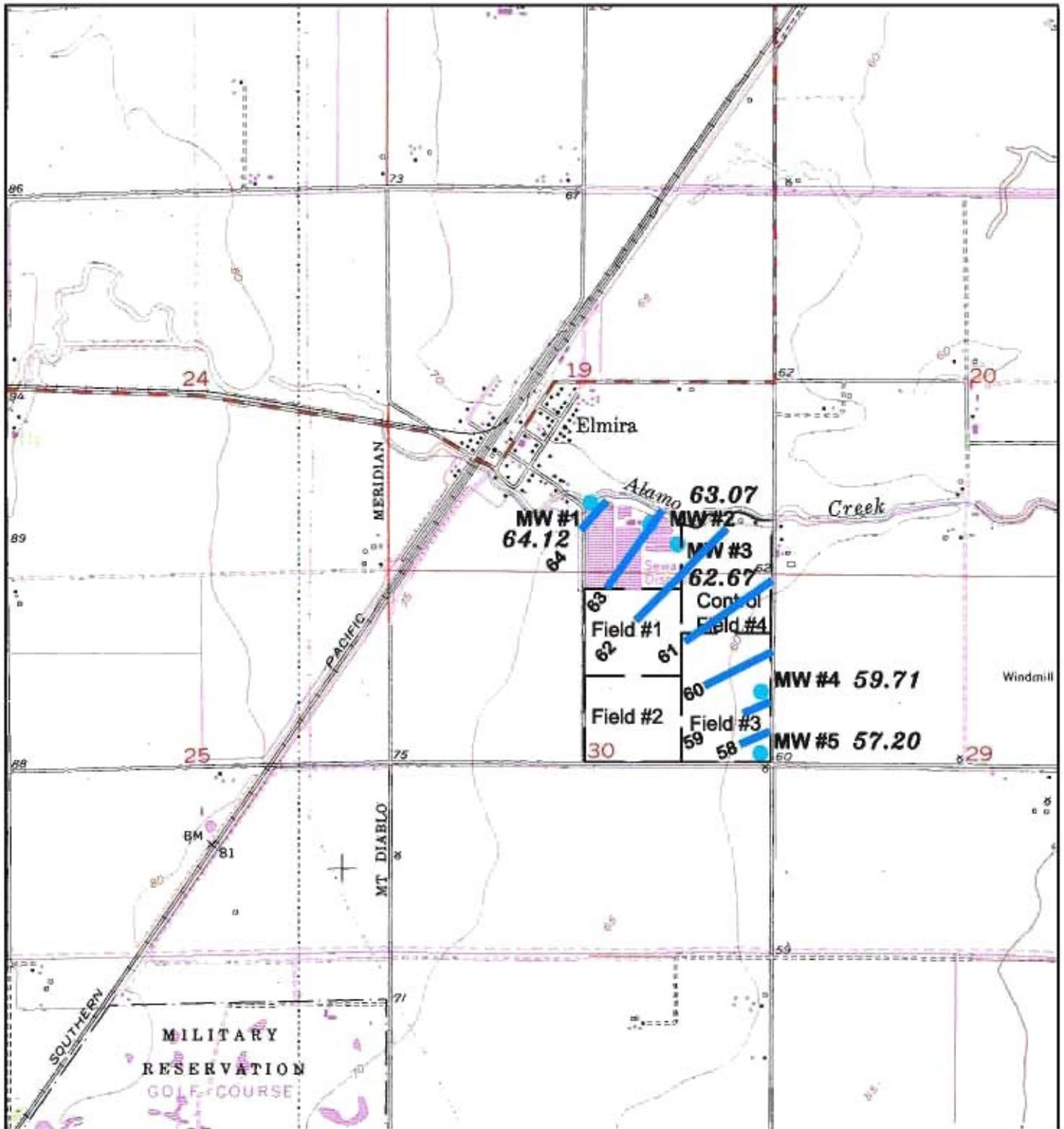
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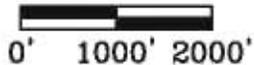


**Figure 4**  
**Groundwater Hydrographs for Shallow Monitoring Wells**  
**EWWT - Vacaville, California**



REFERENCE: USGS 7.5 Minute Quadrangle, Elmira, California.

Scale in Feet

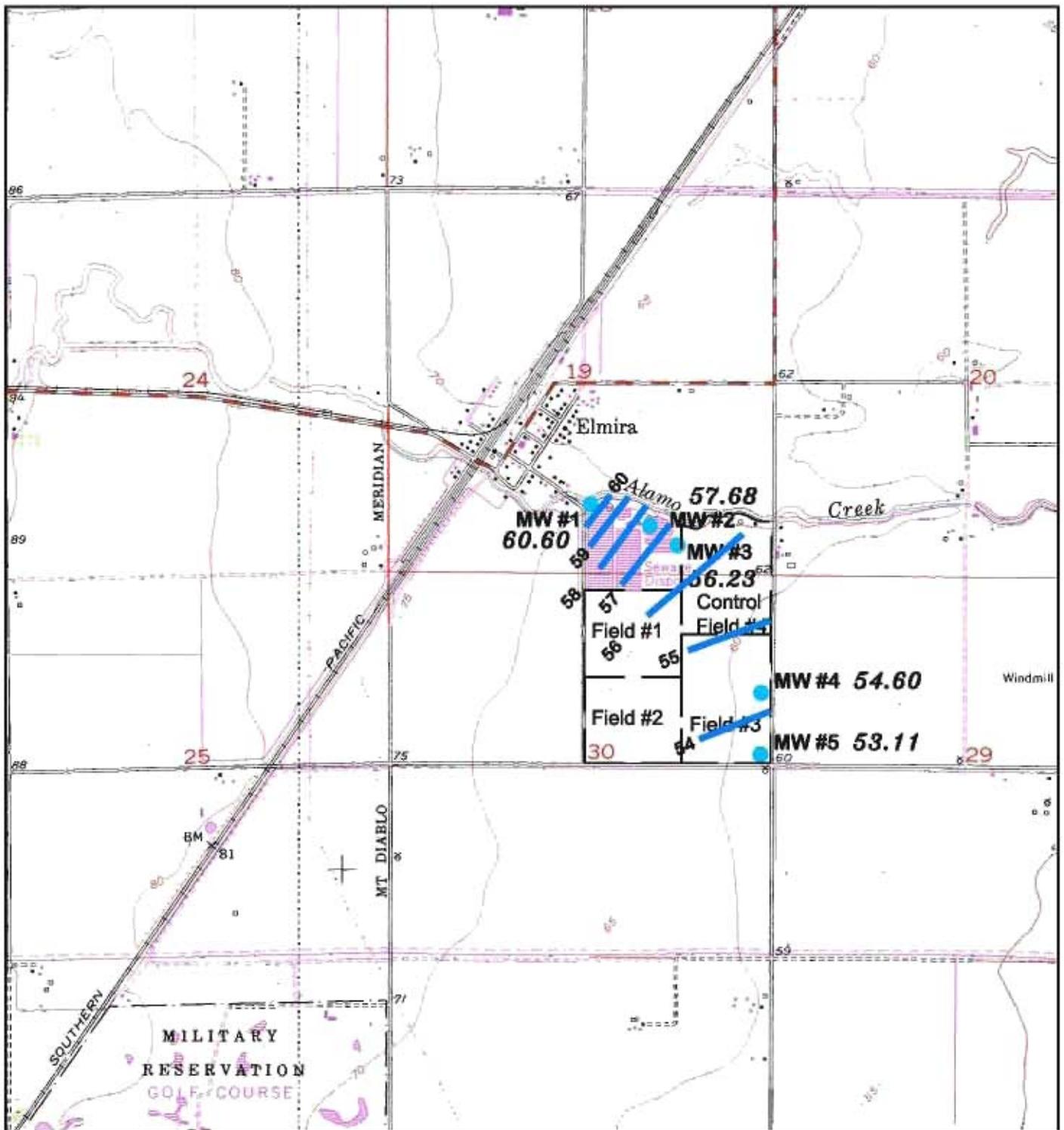


● **MW #4** SHALLOW MONITORING WELL  
**59.71** WITH GROUNDWATER ELEVATION (feet, msl)

— **60** GROUNDWATER ELEVATION CONTOUR (feet, msl)

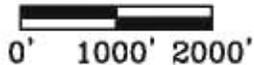


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REFERENCE: USGS 7.5 Minute Quadrangle, Elmira, California.

Scale in Feet



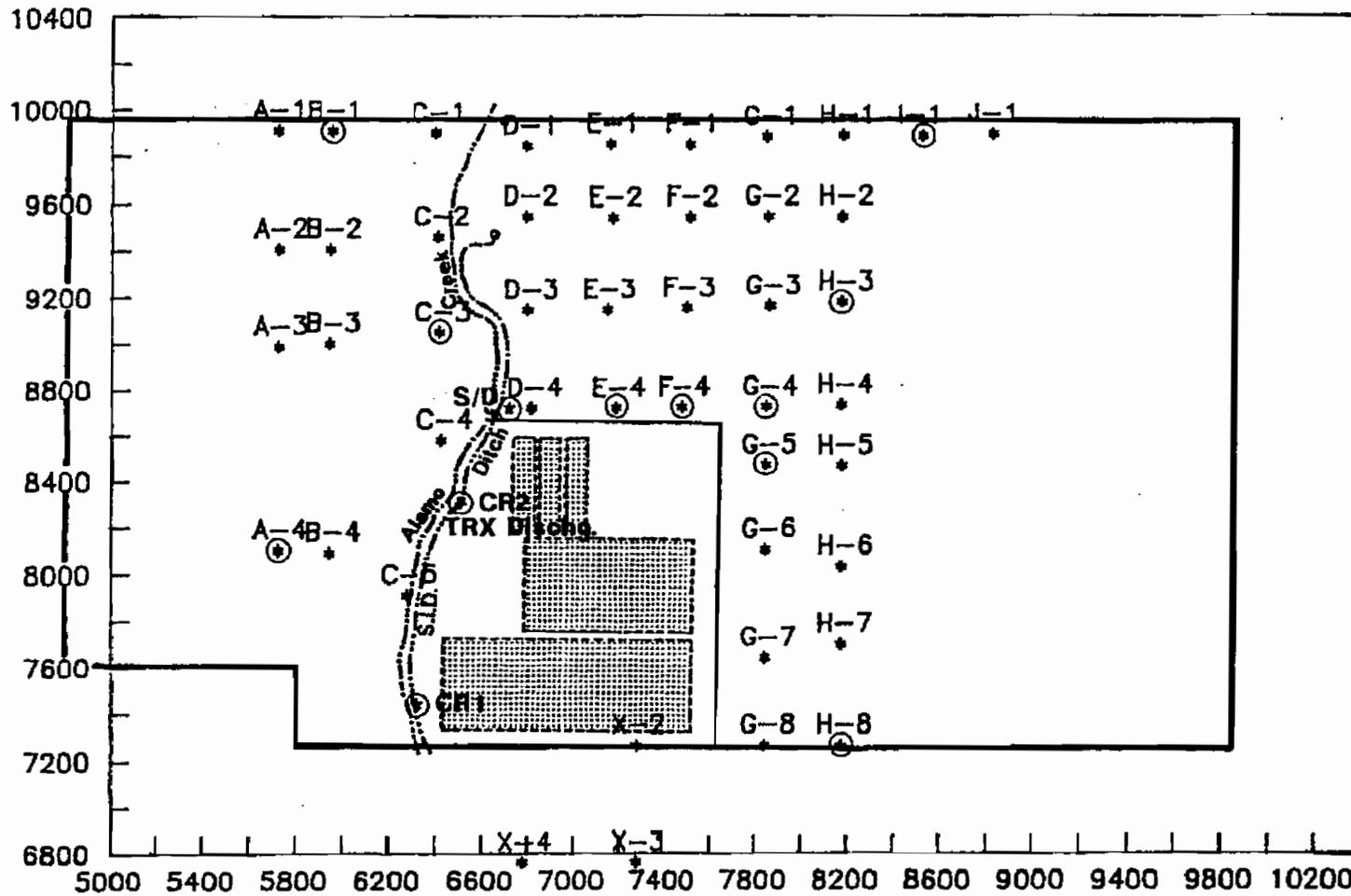
● MW #4 SHALLOW MONITORING WELL  
59.71 WITH GROUNDWATER ELEVATION (feet, msl)

60 ——— GROUNDWATER ELEVATION CONTOUR (feet, msl)



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# R. LOZANO AND SONS - MONITORING SITES

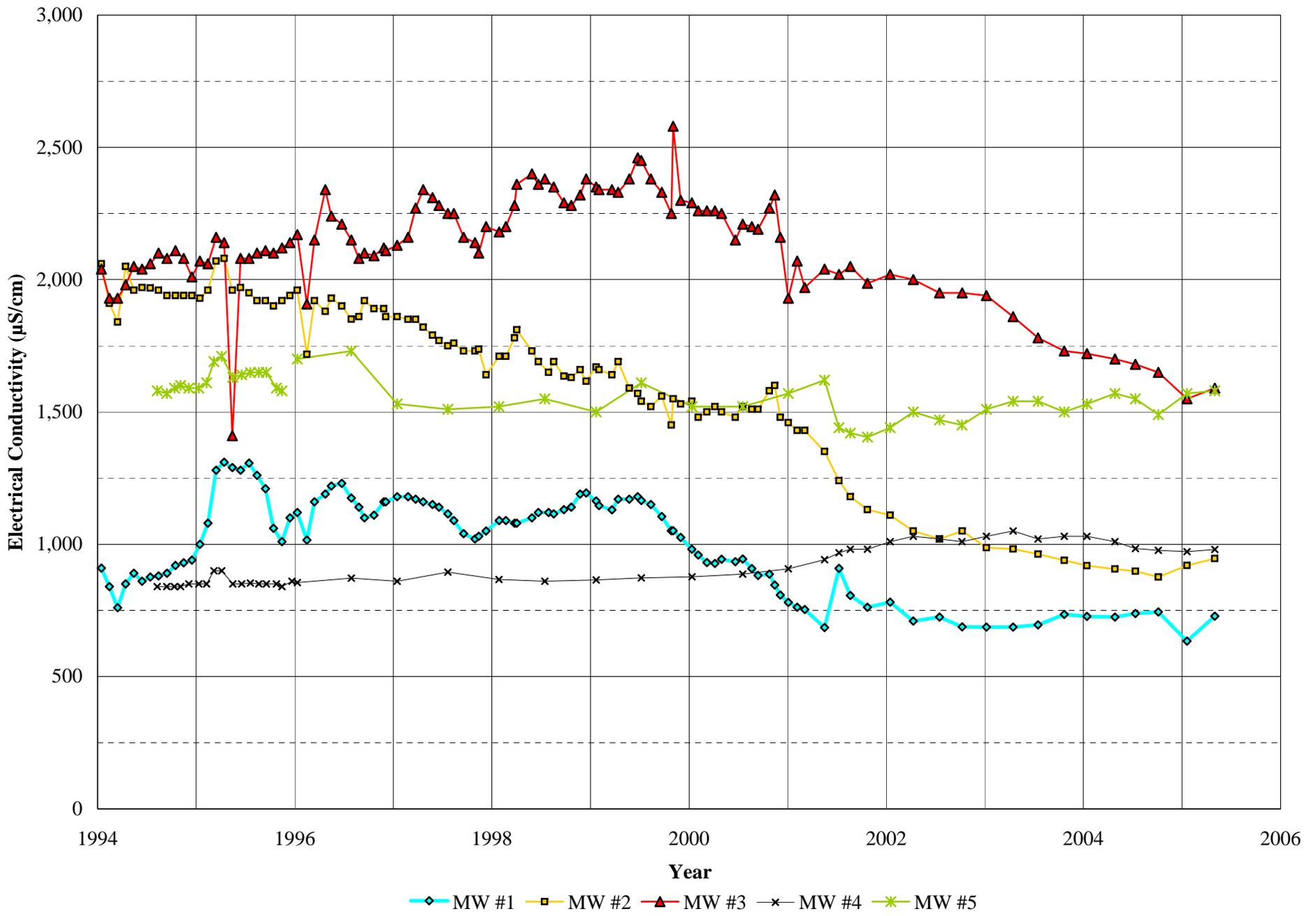


Adapted from "Investigation of Shallow Ground Water, Elmira Project" (LSCE, 1988)



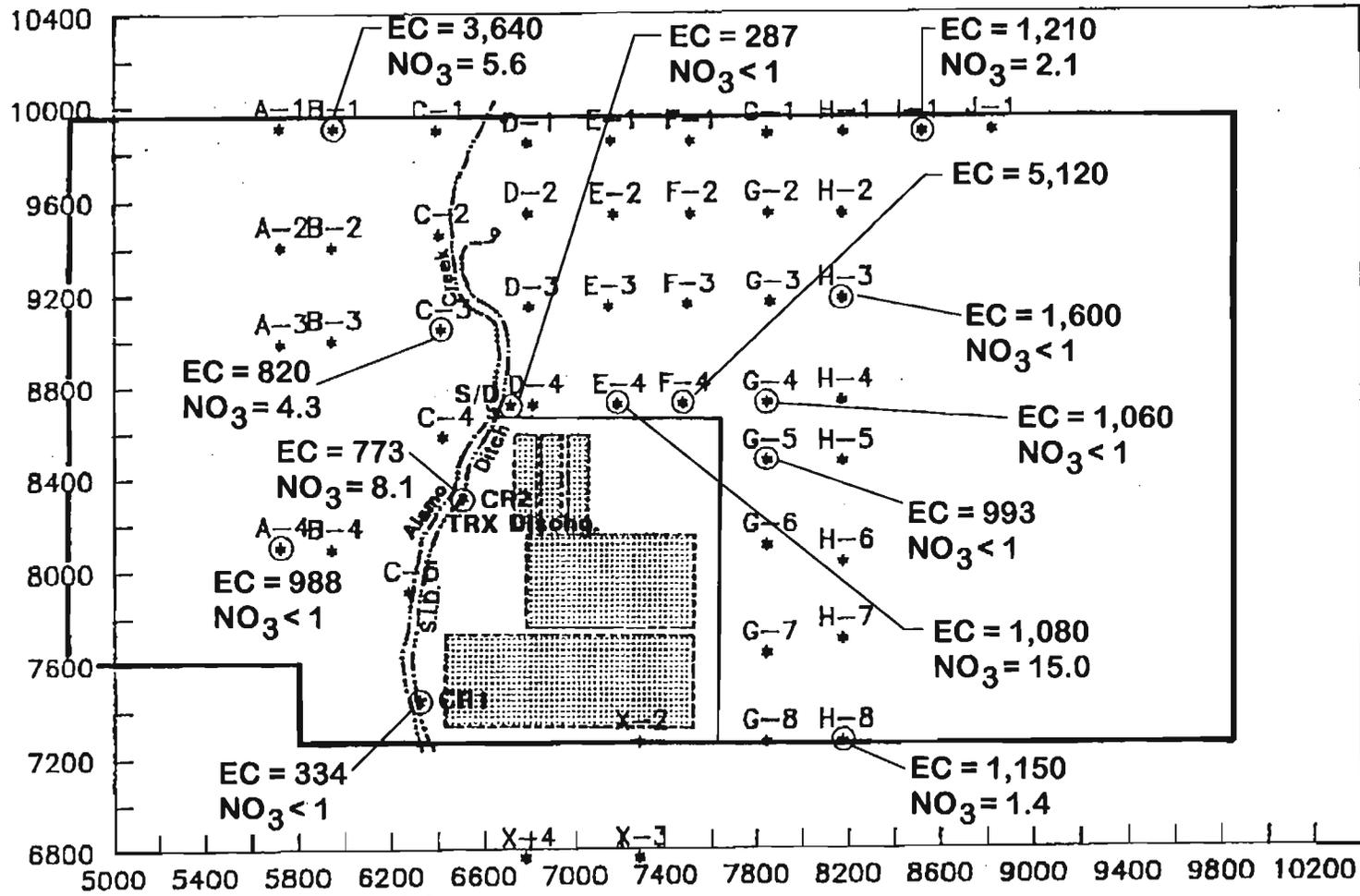
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**LEGEND**  
 ⊙ Water Quality Sample Location



**Figure 8**  
**Electrical Conductivities in Shallow Monitoring Wells**  
**EWWT - Vacaville, California**

# R. LOZANO AND SONS - MONITORING SITES



## LEGEND

⊙ Water Quality Sample Location

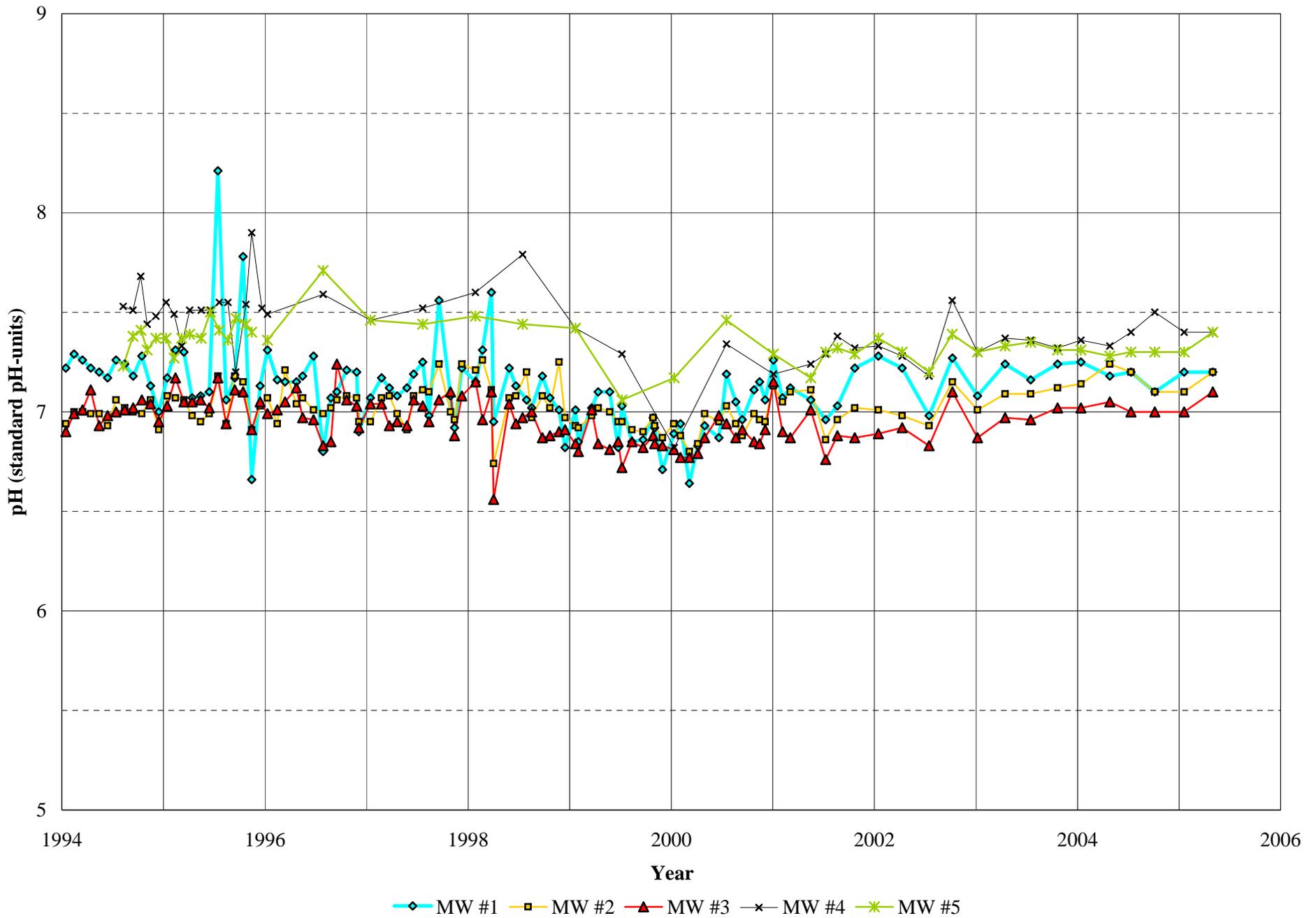
EC in µS/cm  
NO<sub>3</sub>-N in mg/L

Adapted from "Investigation of Shallow Ground Water, Elmira Project" (LSCE, 1988)

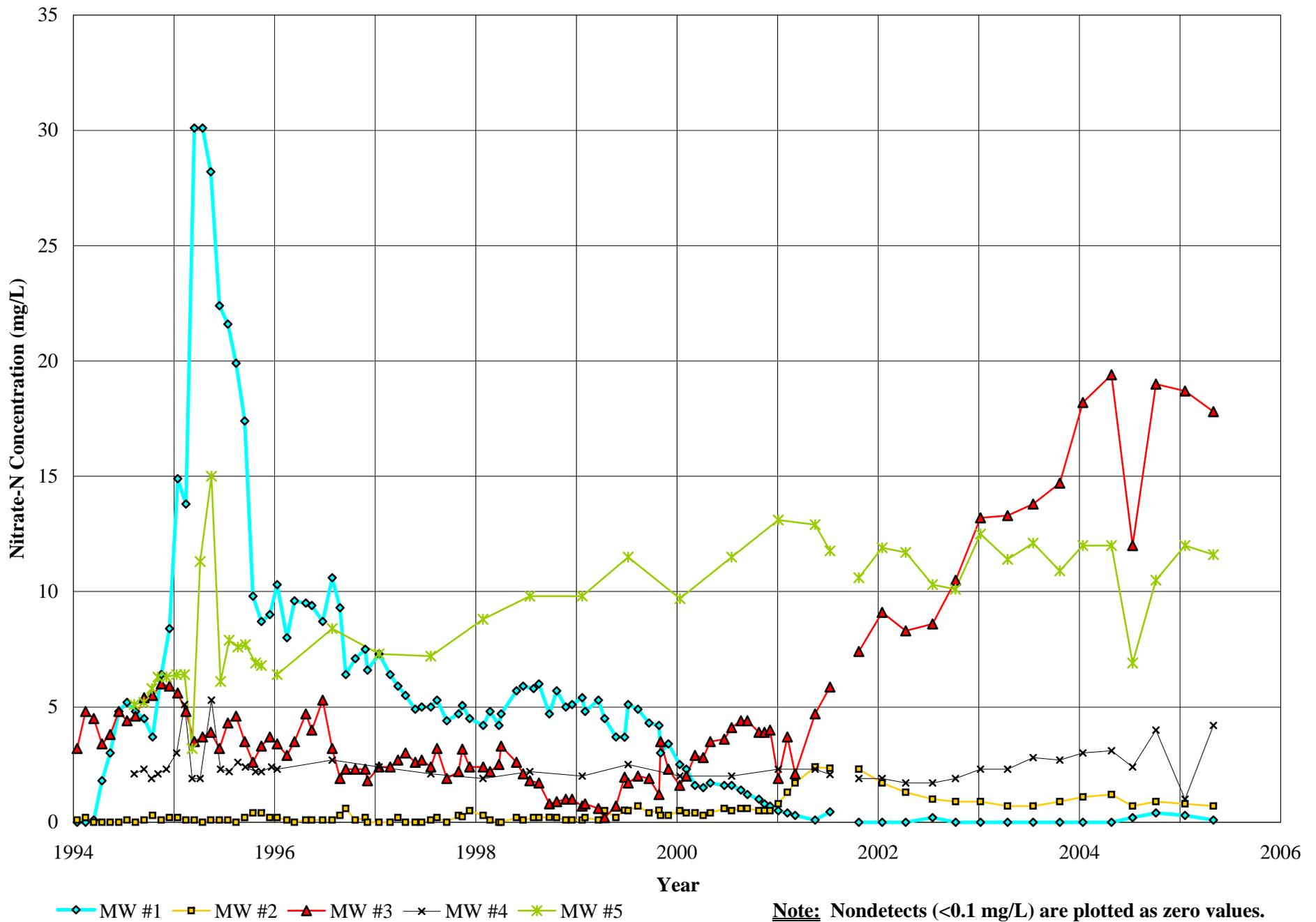


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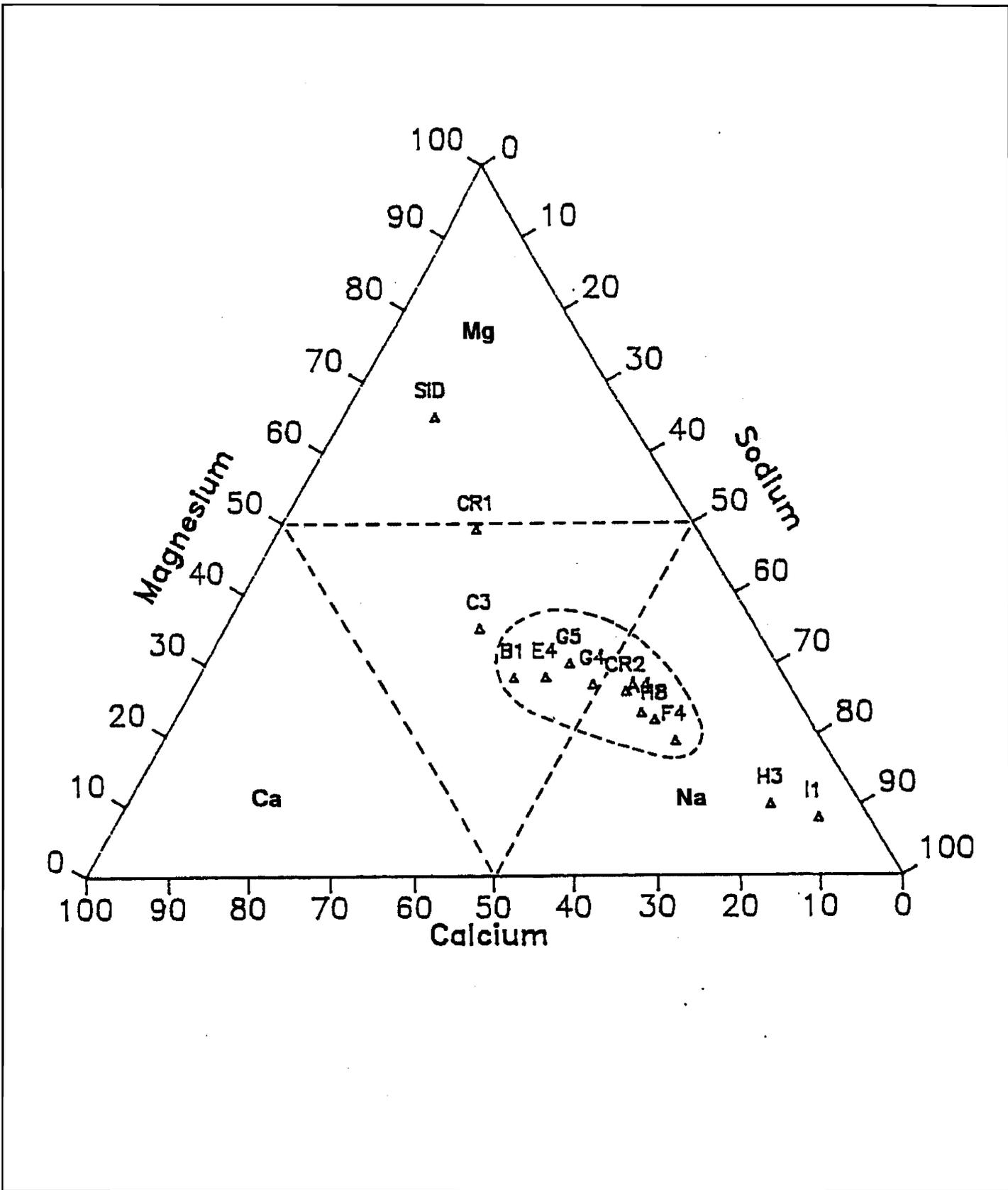
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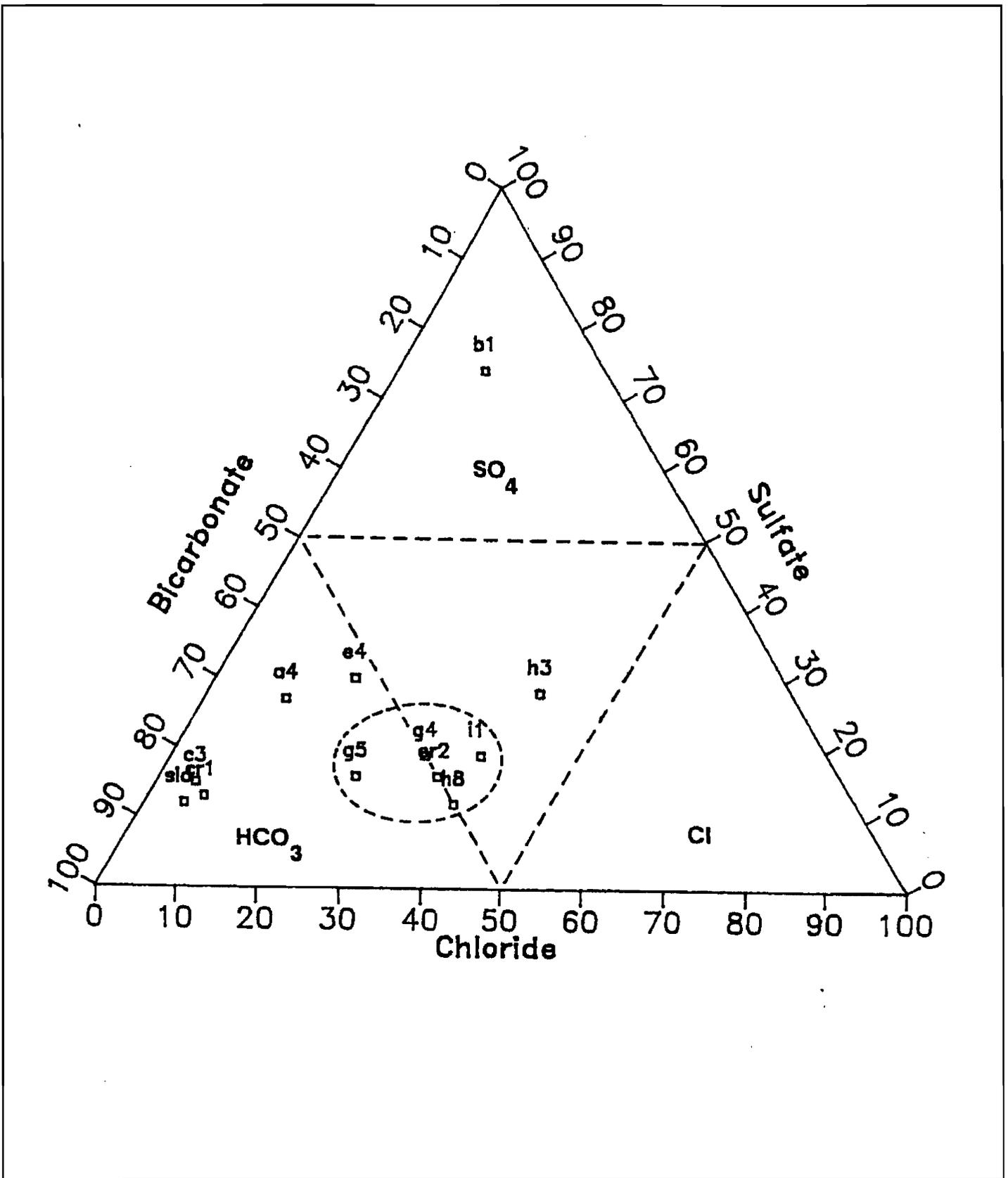


**Figure 10**  
**pH in Shallow Monitoring Wells**  
**EWWTP - Vacaville, California**



**Note:** Nondetects (<0.1 mg/L) are plotted as zero values.





# **Attachment**



MONITORING WELL AND SURFACE WATER ELEVATIONS

WELL	3/05/88 Elev	3/26/88 Elev	4/8/88 Elev	4/13/88 Elev	5/9/88 Elev	5/17/88 Elev	7/05/88 Elev
A-1	59.03	58.34	58.34	59.54	59.38	59.18	58.56
A-2	60.07	59.39	59.59	60.46	60.45	60.34	59.71
A-3	60.93	60.67	61.41	62.01	61.75	N/A	N/A
A-4	62.94	61.8	64.04	63.16	62.99	62.79	62.13
B-1	59.59	58.67	58.35	58.7	59.66	59.51	59.43
B-2	60.65	59.84	59.43	59.77	60.82	60.73	60.37
B-3	61.28	60.46	60.77	61.07	61.62	61.43	61.2
B-4	62.92	62	62.77	62.7	62.88	62.57	62.46
B-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C-1	59.37	N/A	N/A	N/A	N/A	N/A	N/A
C-2	60.46	59.92	60.28	60.5	61.13	60.96	60.48
C-3	61.2	60.6	60.98	61.22	61.92	61.66	61.5
C-4	61.98	N/A	N/A	61.66	62.21	61.93	61.94
C-5	63.65	62.8	62.8	62.93	63.18	N/A	N/A
D-1	59.49	59.51	59.9	60.23	60.97	60.92	N/A
D-2	60.04	N/A	N/A	N/A	N/A	N/A	N/A
D-3	60.66	60.45	60.9	61.15	61.63	61.41	60.9
D-4	61.57	61.67	61.94	62.02	62	61.81	61.68
E-1	59.2	58.78	59.01	59.17	60.18	60.13	59.63
E-2	60.17	60.15	60.13	60.14	60.48	60.42	60.23
E-3	60.91	59.81	59.65	59.67	60.14	60.19	59.98
E-4	61.41	60.96	60.93	61.06	61.37	61.23	61.48
F-1	58.79	58.15	58.22	58.31	59.46	59.53	N/A
F-2	59.83	59.06	59	59	59.23	59.29	59.9
F-3	60.09	N/A	N/A	N/A	N/A	N/A	N/A
F-4	61.44	60.22	60.11	60.01	60.08	60.21	60.96
G-1	58.05	57.54	57.38	57.57	58.26	58.41	58.03
G-2	59.08	58.34	58.14	58.21	59.1	59.09	58.91
G-3	59.9	59.31	59.31	59.31	59.46	59.48	N/A
G-4	60.82	63.04	59.97	59.99	60.21	60.15	60.52
G-5	61.28	N/A	60.33	60.4	60.51	60.38	61.06
G-6	61.99	N/A	61	61	61.03	60.91	61.69
G-7	63.4	N/A	61.89	61.93	61.85	61.73	62.62
G-8	64.14	N/A	62.85	62.08	62.51	62.4	63.37
H-1	58.02	57.14	56.95	57.08	58.06	58.2	57.85
H-2	58.61	57.92	57.62	57.76	58.43	58.45	58.54
H-3	60.06	61.12	58.36	58.55	58.83	58.84	59.13
H-4	59.75	62.29	58.83	58.93	59.07	59.01	59.5
H-5	60.86	N/A	59.91	59.92	59.98	59.91	60.64
H-6	62.41	N/A	61.31	60.81	60.69	60.54	61.56
H-7	62.44	N/A	61.38	61.46	61.32	61.23	62.23
H-8	63.41	N/A	62.26	62.3	62.11	62.02	63.09
I-1	57.45	56.75	56.4	56.57	57.3	57.61	57.42
J-1	57.04	56.42	56.02	56.23	56.75	57.81	56.82
X-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
X-2	64.79	64.77	64.77	N/A	64.77	N/A	N/A
X-3	66.85	66.85	66.85	N/A	66.85	N/A	N/A
X-4	66.62	65.96	65.96	N/A	65.96	N/A	N/A
BM11	60.35	60.36	60.19	60.41	60.34	60.65	60.34
BM8	61.51	61.4	61.4	61.5	61.33	61.5	61.35
BM5	63.02	62.37	62.77	62.89	62.53	62.9	62.32
BM12	63.5	N/A	64.65	65.05	64.11	65.1	63.55
SID-1	N/A	N/A	66.43	66.68	66.53	66.85	66.7
SID-2	N/A	N/A	66.47	66.73	66.54	66.86	66.67
SID-3	N/A	N/A	66.34	66.84	66.52	66.85	66.69
SID-4	N/A	N/A	69.39	68.85	68.17	68.44	68.42
SID-5	N/A	N/A	69.37	68.9	68.15	68.56	68.54
WPEAST	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WPWEST	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**TABLE 3**

**MONITORING WATER QUALITY RESULTS**

LOZANO  
PROJECT: 97-7-51

WELL IDENTIFICATION	DATE	EC uS/cm	pH	Hardness as CaCO3	Ca	Mg	Na	SO4	Cl	HCO3 as CaCO3	HCO3 as HCO3	NO3-N	NO3-NO3
LOZCR1	4/13/98	334	7.45	150	21.2	23.6	21.5	24.5	10.2	156	190	<1	<1
LOZCR2	4/13/98	773	7.10	181	31.6	24.7	95.6	66.8	104.0	186	227	8.1	35.9
LOZSID	4/13/98	287	8.10	155	16.8	27.5	9.0	20.8	5.7	144	176	<1	<1
LOZC3	4/9/98	820	7.62	446	63.9	39.8	69.3	69.6	16.2	362	442	4.3	19.0
LOZE4	4/9/98	1080	7.49	423	96.5	50.2	149.0	162.0	69.8	244	298	15.0	66.4
LOZG4	4/9/98	1060	7.35	619	50.9	35.0	122.0	101.0	122.0	280	342	<1	<1
LOZA4	5/9/98	988	6.87	235	44.3	30.1	143.0	134.0	38.2	320	390	<1	<1
LOZB1	5/9/98	3640	7.20	1380	297.0	155.0	397.0	1650.0	183.0	324	395	5.6	24.8
LOZF4	5/9/98	5120	7.30	992	190.0	126.0	771.0	19	19	286	349	19	19
LOZG5	5/9/98	993	6.85	300	54.7	39.7	109.0	79.6	86.6	312	381	<1	<1
LOZH3	5/9/98	1600	7.42	173	36.2	20.1	290.0	256.0	272.0	288	351	<1	<1
LOZH8	5/9/98	1150	7.05	240	44.8	31.2	161.0	67.9	163.0	296	361	1.4	6.2
LOZI1	5/9/98	1210	7.03	83	13.7	11.8	242.0	110.0	165.0	260	317	2.1	9.3

WELL IDENTIFICATION	F	TDS	Fe	Mn	Ca %	Mg %	Na %	SO4 %	Cl %	HCO3 %	NO3 %	WATER TYPE	SAR
LOZCR1	.2	187	.72	.045	27	49	24	13	7	80	0	MgHCO3	.8
LOZCR2	.8	468	.24	.026	20	26	54	16	34	43	7	NaHCO3Cl	3.1
LOZSID	.1	149	.13	.015	24	65	11	12	5	83	0	MgHCO3	.3
LOZC3	N/A	600	2.90	2.0	34	35	32	15	5	77	3	MgCaNaHCO3	1.7
LOZE4	N/A	860	3.00	1.4	29	28	43	30	17	43	10	NaHCO3SO4	3.2
LOZG4	N/A	631	17.70	9.1	24	27	49	19	31	50	0	NaHCO3Cl	3.2
LOZA4	N/A	976	.36	<.01	20	23	57	27	10	62	0	NaHCO3	4.1
LOZB1	N/A	2930	.27	.014	33	28	39	74	11	14	1	NaCaMgSO4	4.7
LOZF4	N/A	3940	.72	<.01	18	19	63	N/A	N/A	N/A	N/A		10.5
LOZG5	N/A	612	.40	.018	25	30	44	16	24	60	0	NaHCO3	2.7
LOZH3	N/A	1120	1.50	<.01	11	10	78	28	41	31	0	NaClHCO3SO4	9.6
LOZH8	N/A	863	10.30	.088	19	22	59	12	38	49	1	NaHCO3	4.5
LOZI1	N/A	83	.56	<.01	6	8	86	19	38	42	1	NaHCO3Cl	11.6

**Note: Concentrations mg/l unless otherwise noted**

**Attachment 4**  
**Historical Aerial Photographs**

---

**Date EDR Searched Historical Sources:**

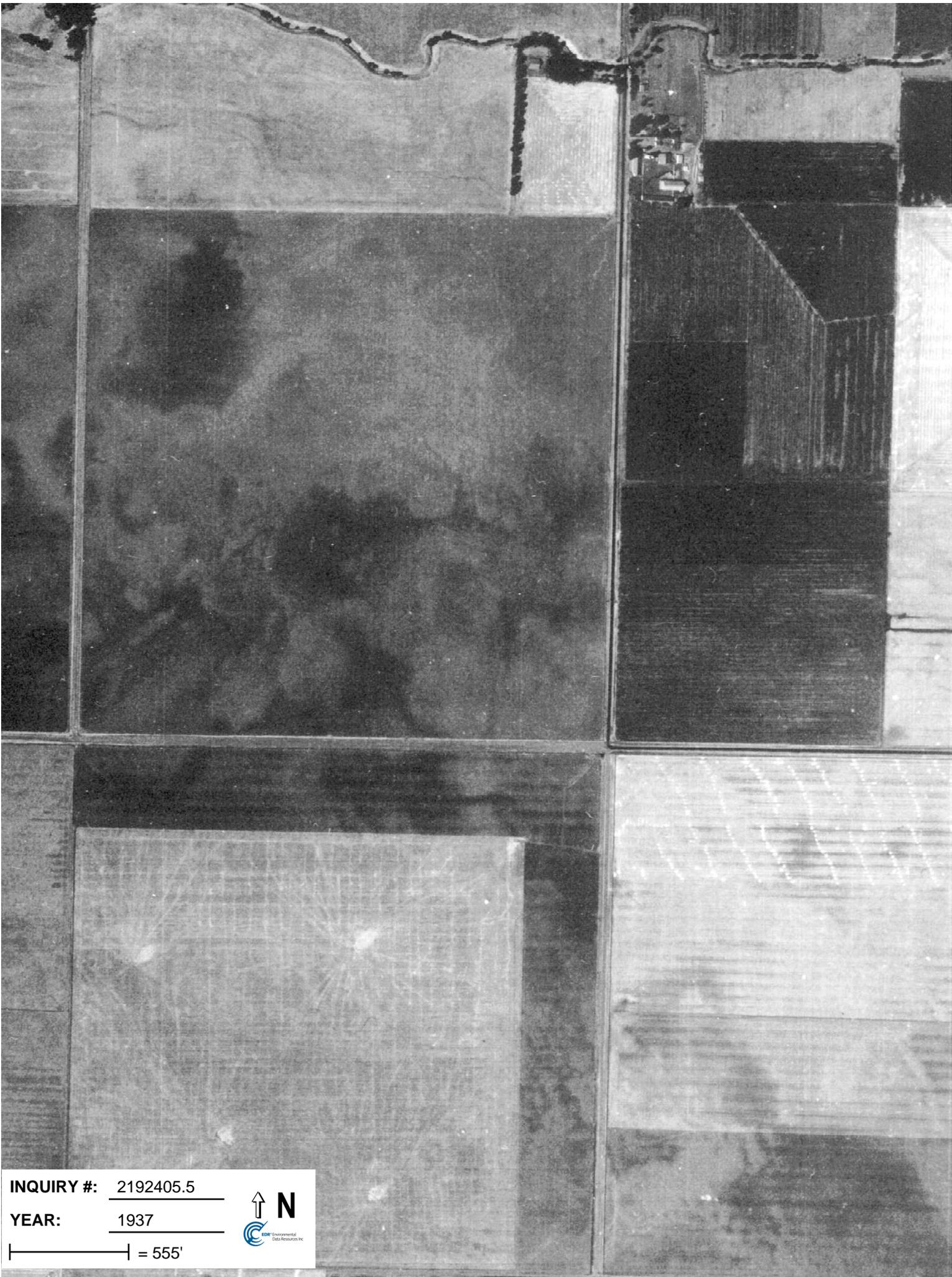
Aerial Photography April 11, 2008

**Target Property:**

Lewis Road/Fry Road

Vacaville, CA 95687

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=555'	Flight Year: 1937	Laval
1957	Aerial Photograph. Scale: 1"=555'	Flight Year: 1957	Cartwright
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1970	Aerial Photograph. Scale: 1"=555'	Flight Year: 1970	Cartwright
1984	Aerial Photograph. Scale: 1"=690'	Flight Year: 1984	WSA
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS

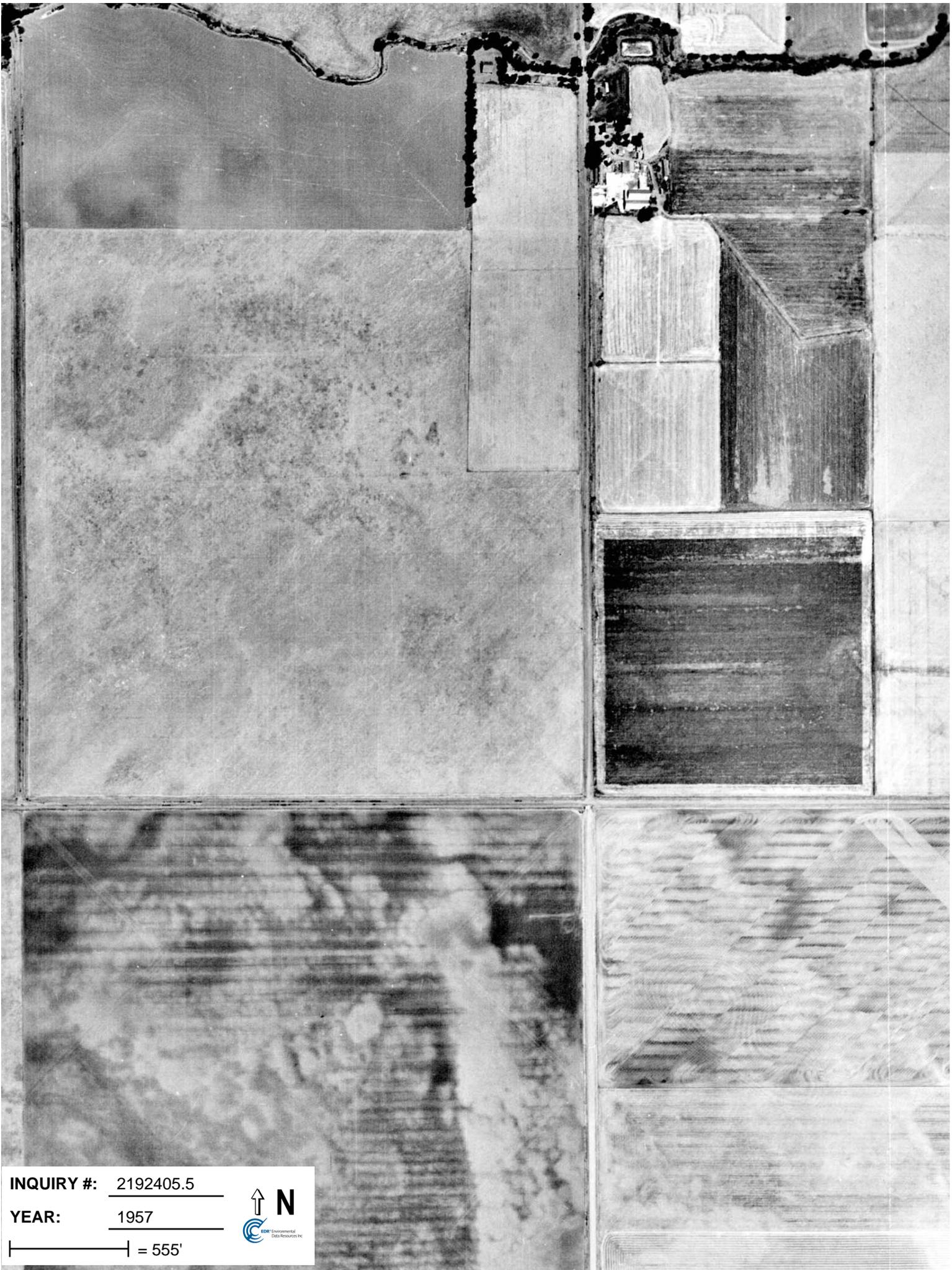


**INQUIRY #:** 2192405.5

**YEAR:** 1937

| = 555'





**INQUIRY #:** 2192405.5

**YEAR:** 1957

| = 555'





**INQUIRY #:** 2192405.5

**YEAR:** 1965

| = 333'





**INQUIRY #:** 2192405.5

**YEAR:** 1970

| = 555'





**INQUIRY #:** 2192405.5

**YEAR:** 1984

— = 690'





**INQUIRY #:** 2192405.5

**YEAR:** 1993

 = 666'





**INQUIRY #:** 2192405.5

**YEAR:** 1998

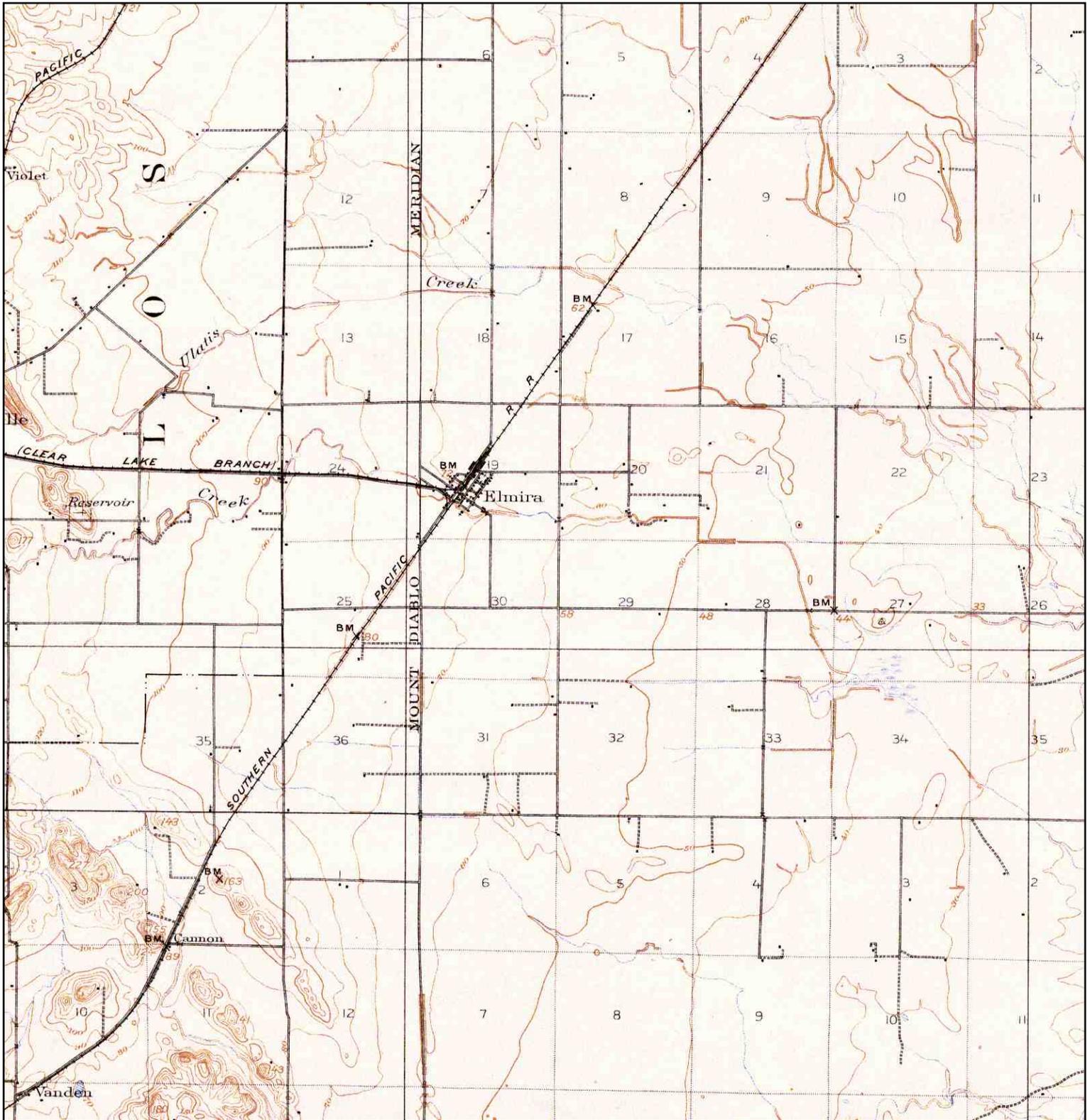
— = 666'



**Attachment 5**  
**Historical Topographic Maps**

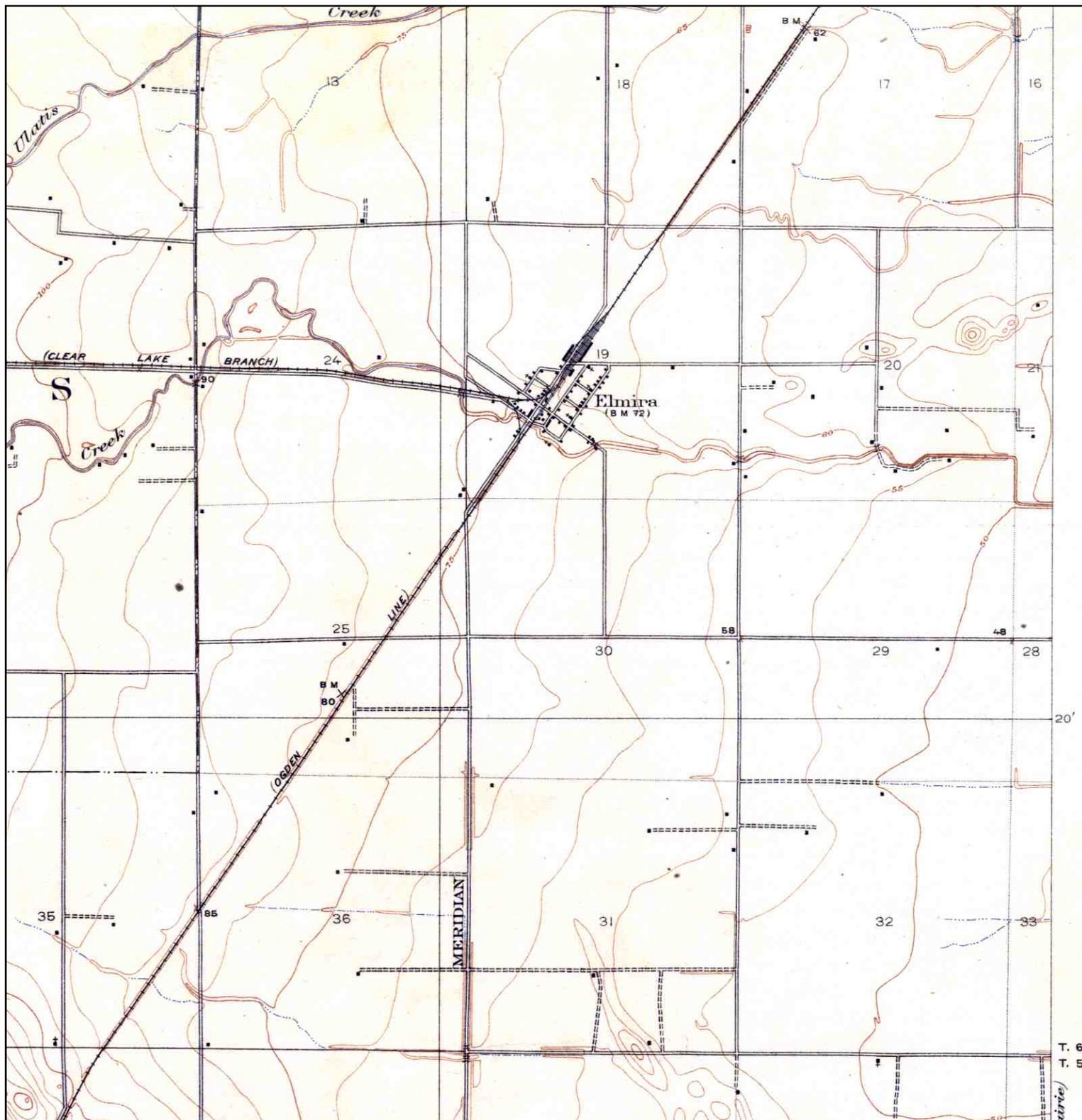
---

# Historical Topographic Map



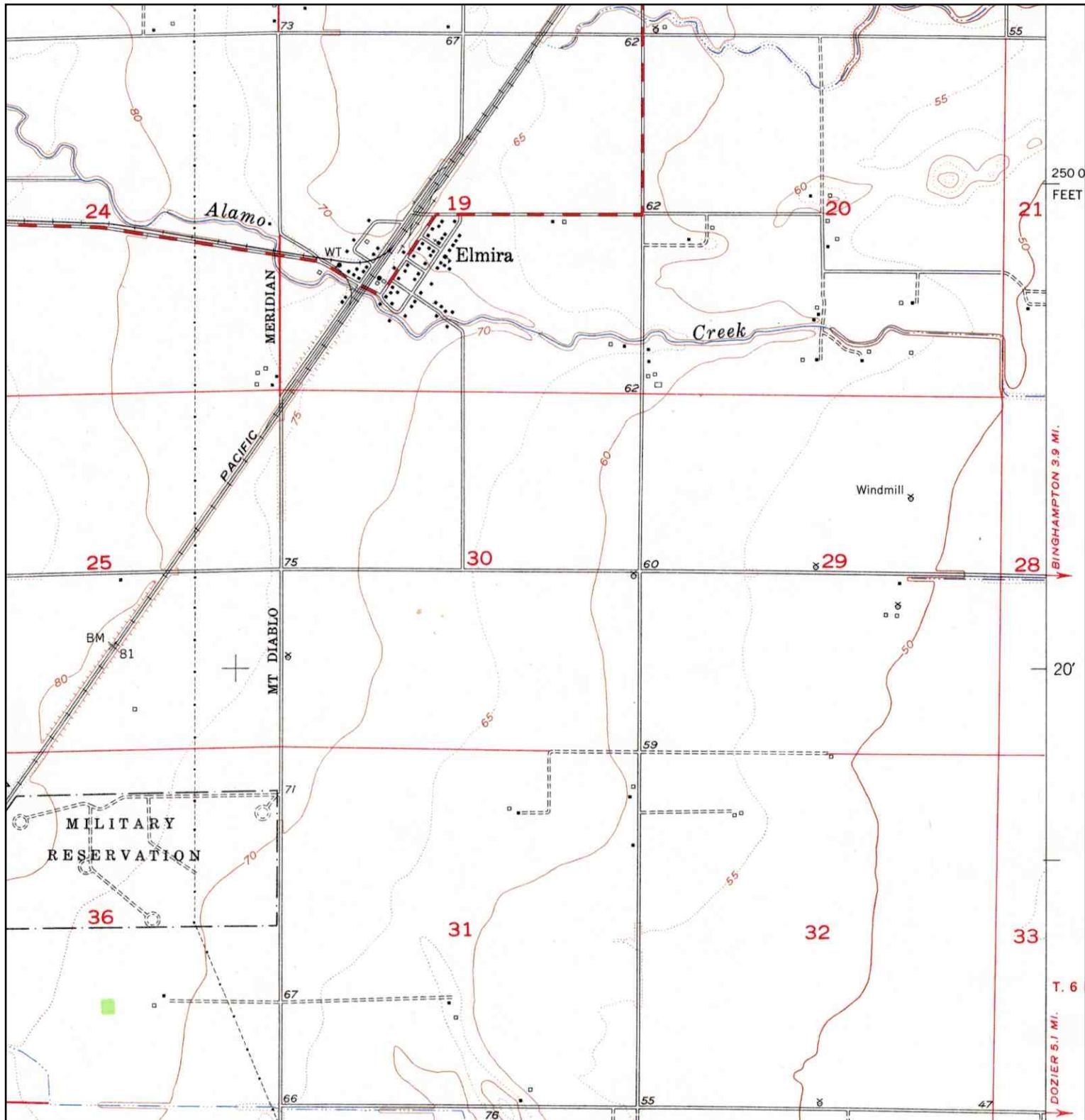
	TARGET QUAD	SITE NAME:	Vacaville Energy Center	CLIENT:	CH2M Hill, Inc.
	NAME: VACAVILLE	ADDRESS:	Lewis Road/Fry Road Vacaville, CA 95687	CONTACT:	Lyna Black
	MAP YEAR: 1908	LAT/LONG:	38.3389 / 121.899	INQUIRY#:	2192405.4
	SERIES: 15			RESEARCH DATE:	04/11/2008
	SCALE: 1:62500				

# Historical Topographic Map



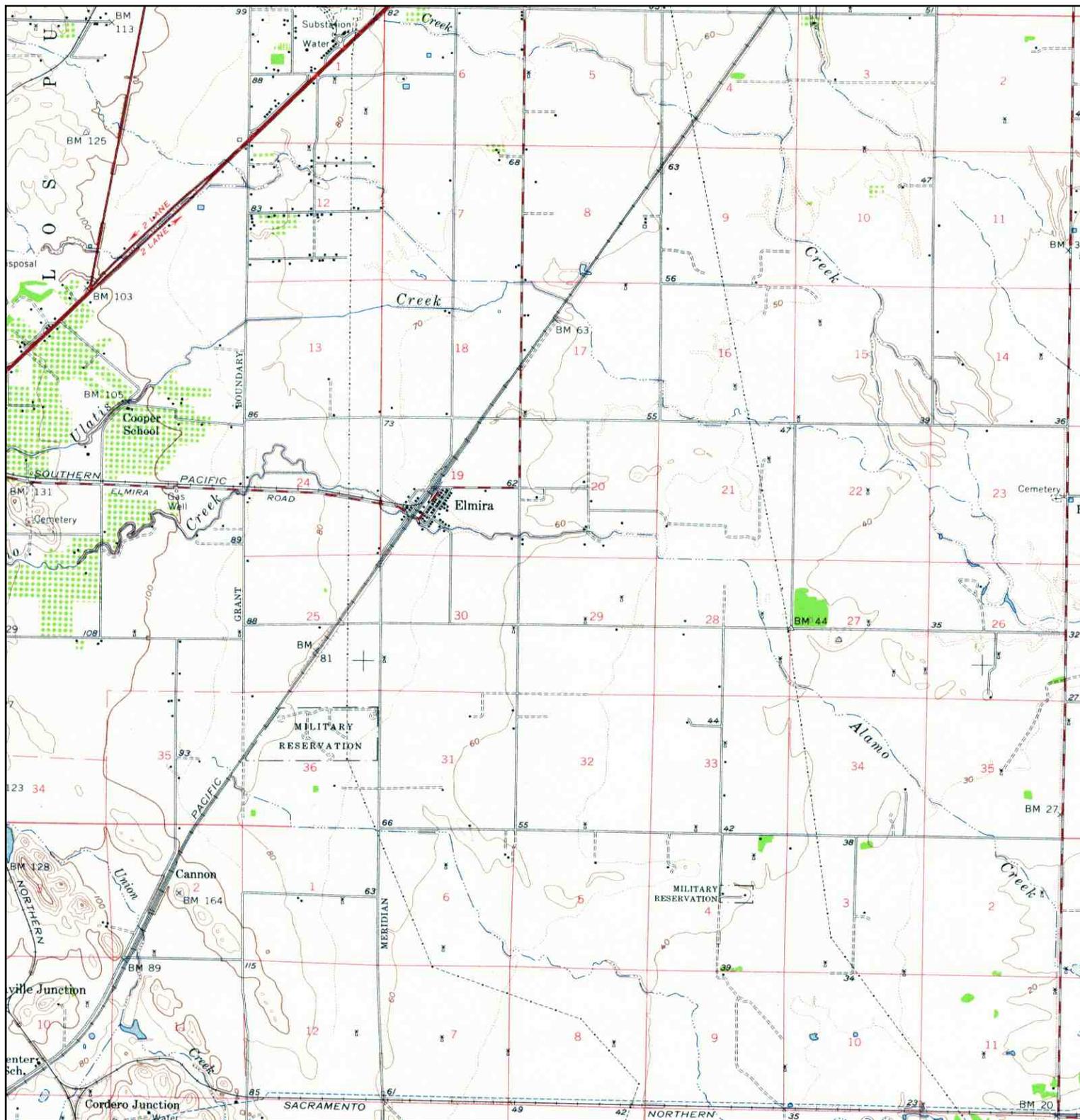
	TARGET QUAD NAME: ELMIRA MAP YEAR: 1917	SITE NAME: Vacaville Energy Center ADDRESS: Lewis Road/Fry Road Vacaville, CA 95687 LAT/LONG: 38.3389 / 121.899	CLIENT: CH2M Hill, Inc. CONTACT: Lyna Black INQUIRY#: 2192405.4 RESEARCH DATE: 04/11/2008
	SERIES: 7.5 SCALE: 1:31680		

# Historical Topographic Map



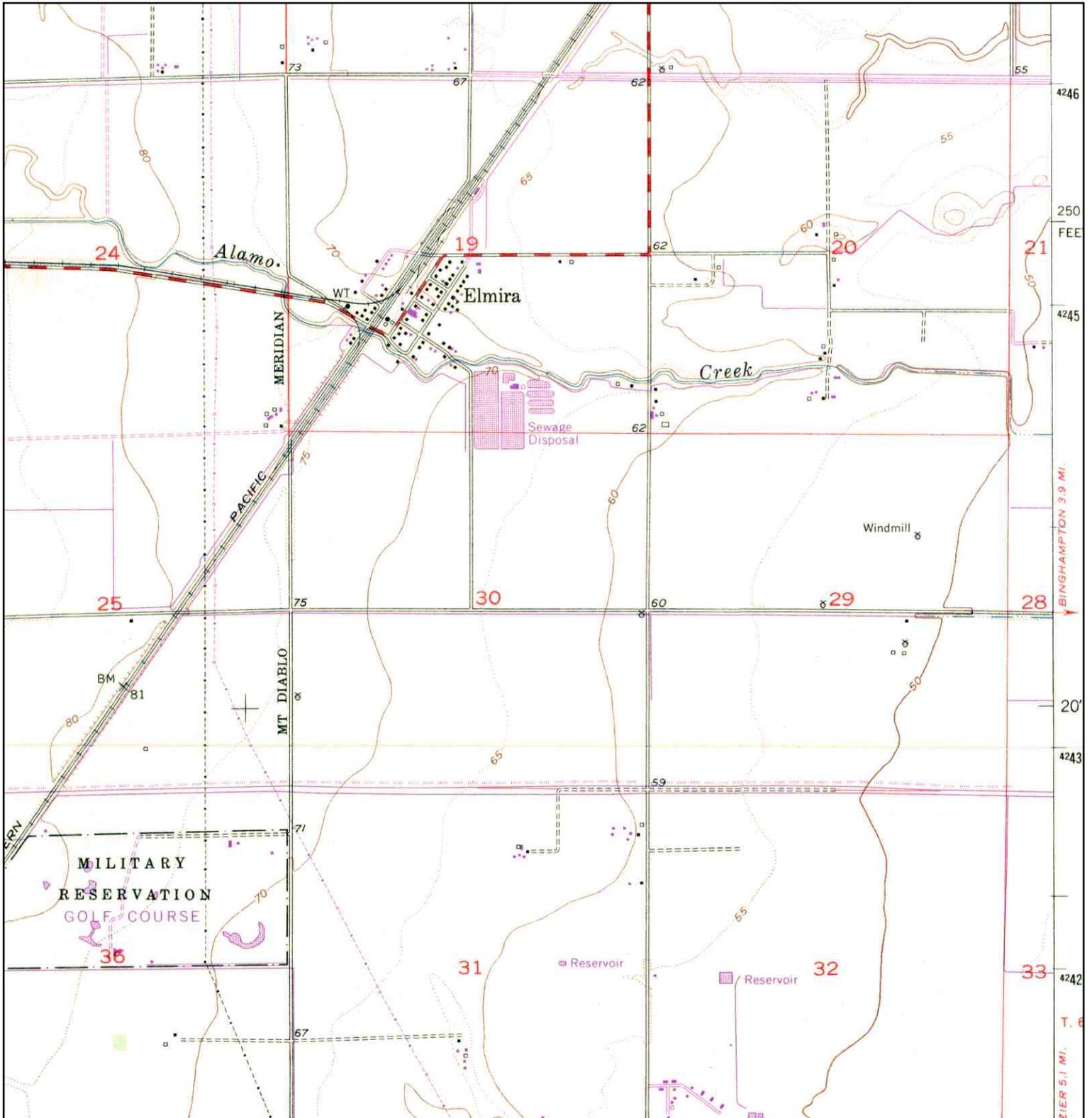
	TARGET QUAD NAME: ELMIRA MAP YEAR: 1953	SITE NAME: Vacaville Energy Center ADDRESS: Lewis Road/Fry Road Vacaville, CA 95687 LAT/LONG: 38.3389 / 121.899	CLIENT: CH2M Hill, Inc. CONTACT: Lyna Black INQUIRY#: 2192405.4 RESEARCH DATE: 04/11/2008
	SERIES: 7.5 SCALE: 1:24000		

# Historical Topographic Map



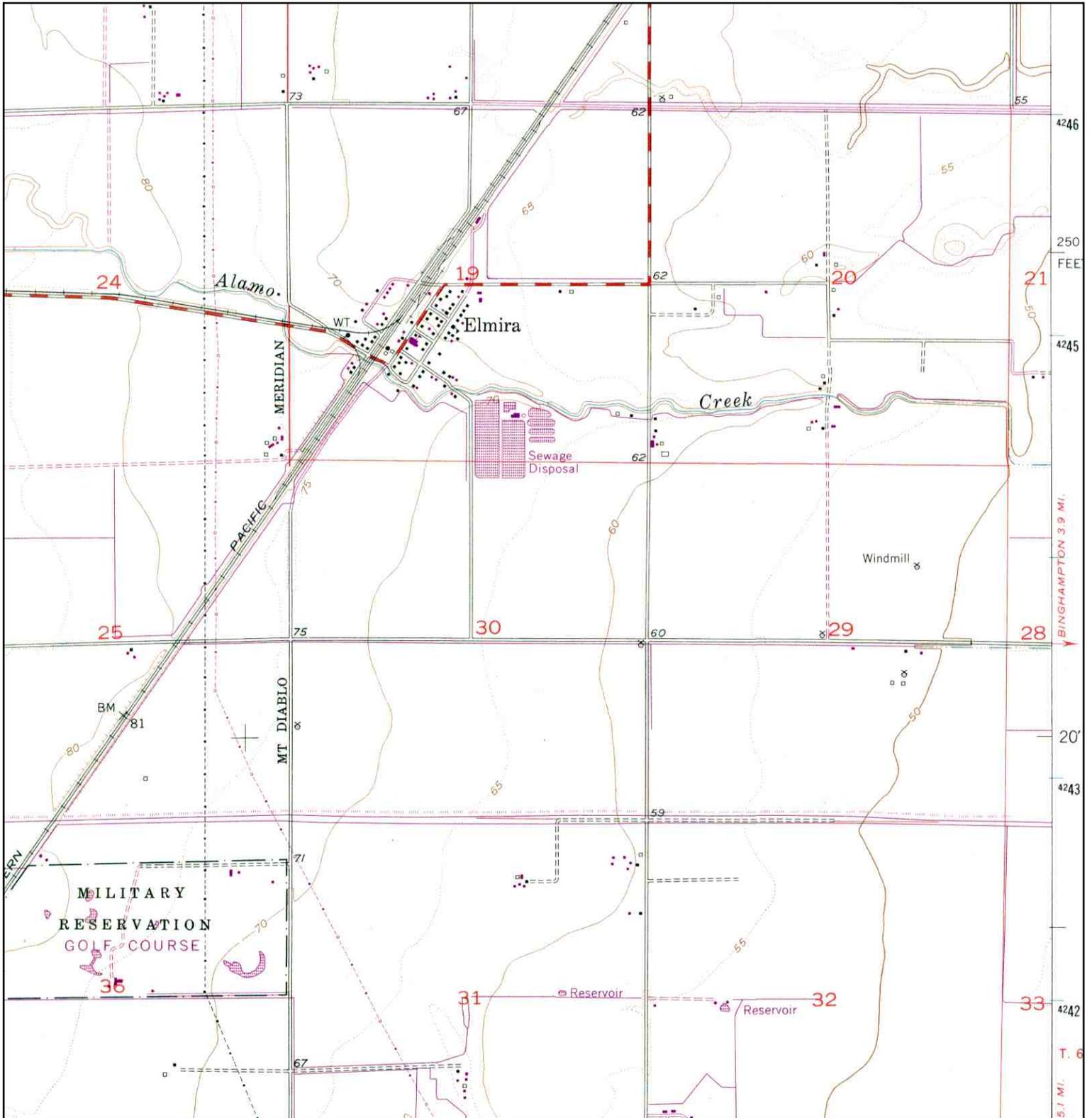
	TARGET QUAD	SITE NAME:	Vacaville Energy Center	CLIENT:	CH2M Hill, Inc.
	NAME: VACAVILLE	ADDRESS:	Lewis Road/Fry Road	CONTACT:	Lyna Black
	MAP YEAR: 1953	LAT/LONG:	38.3389 / 121.899	INQUIRY#:	2192405.4
	SERIES: 15			RESEARCH DATE:	04/11/2008
	SCALE: 1:62500				

# Historical Topographic Map



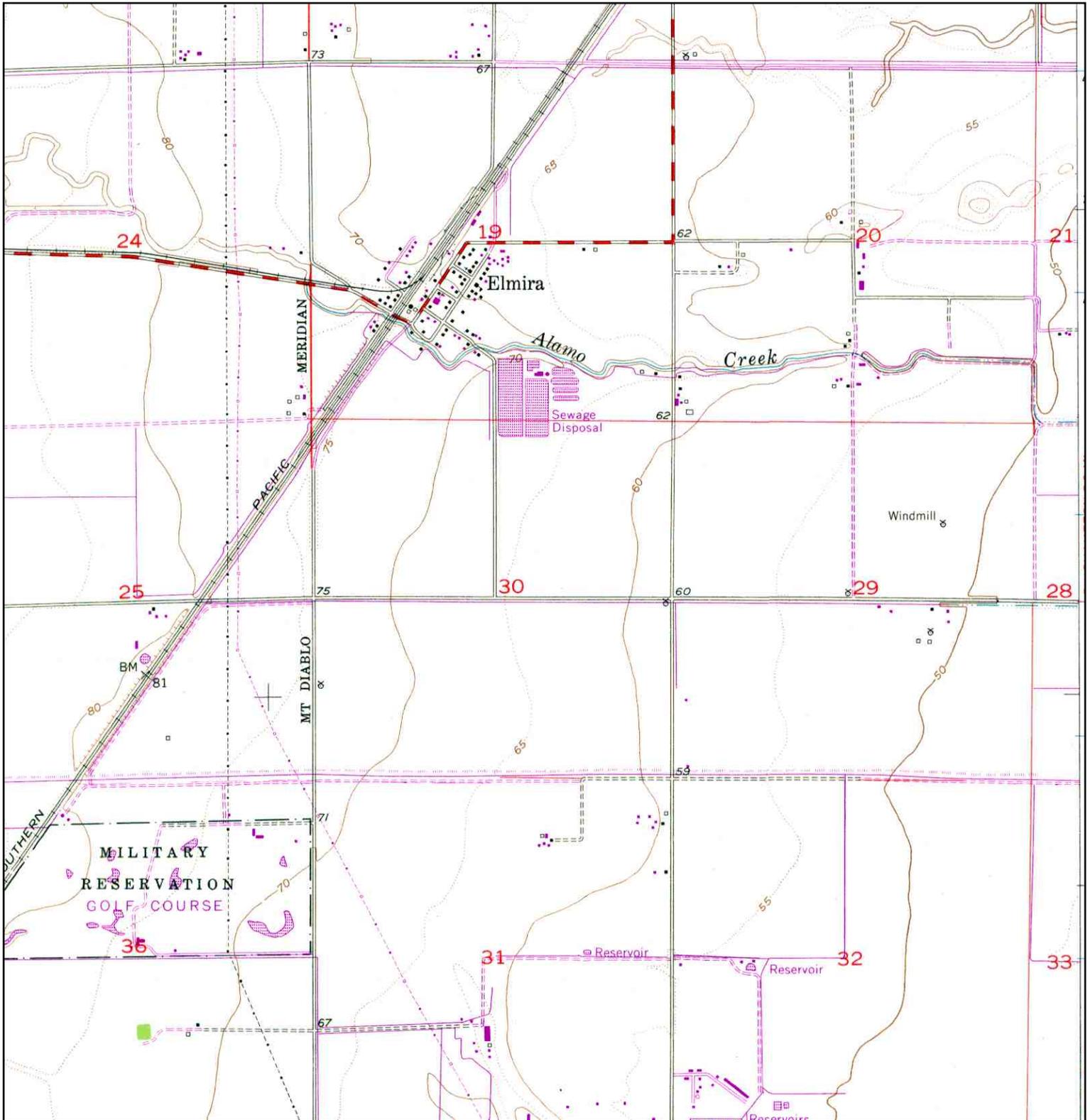
	TARGET QUAD	SITE NAME:	Vacaville Energy Center	CLIENT:	CH2M Hill, Inc.
	NAME: ELMIRA	ADDRESS:	Lewis Road/Fry Road	CONTACT:	Lyna Black
	MAP YEAR: 1968		Vacaville, CA 95687	INQUIRY#:	2192405.4
	PHOTOREVISED FROM: 1953	LAT/LONG:	38.3389 / 121.899	RESEARCH DATE:	04/11/2008
	SERIES: 7.5				
	SCALE: 1:24000				

# Historical Topographic Map



	TARGET QUAD	SITE NAME: Vacaville Energy Center	CLIENT: CH2M Hill, Inc.
	NAME: ELMIRA	ADDRESS: Lewis Road/Fry Road	CONTACT: Lyna Black
	MAP YEAR: 1973	Vacaville, CA 95687	INQUIRY#: 2192405.4
	PHOTOREVISED FROM: 1953	LAT/LONG: 38.3389 / 121.899	RESEARCH DATE: 04/11/2008
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



	TARGET QUAD	SITE NAME:	Vacaville Energy Center	CLIENT:	CH2M Hill, Inc.
	NAME: ELMIRA	ADDRESS:	Lewis Road/Fry Road	CONTACT:	Lyna Black
	MAP YEAR: 1980		Vacaville, CA 95687	INQUIRY#:	2192405.4
	PHOTOREVISED FROM: 1953	LAT/LONG:	38.3389 / 121.899	RESEARCH DATE:	04/11/2008
	SERIES: 7.5				
	SCALE: 1:24000				

**Attachment 6**  
**Sanborn® Fire Insurance Maps**

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# Certified Sanborn® Map Report

4/10/08

**Site Name:**

Vacaville Energy Center  
Lewis Road/Fry Road  
Vacaville, CA 95687

**Client Name:**

CH2M Hill, Inc.  
2485 Natomas Park Drive  
Sacramento, CA 95833



**EDR®** Environmental  
Data Resources Inc

EDR Inquiry # 2192405.3

Contact: Lyna Black

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by CH2M Hill, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Vacaville Energy Center  
**Address:** Lewis Road/Fry Road  
**City, State, Zip:** Vacaville, CA 95687  
**Cross Street:**  
**P.O. #** NA  
**Project:** 372528.01.01  
**Certification #** 15EB-431E-B73B



Sanborn® Library search results  
Certification # 15EB-431E-B73B

## UNMAPPED PROPERTY

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

Total Maps: 0

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

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

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**Attachment 7**  
**City Directory Abstract**

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## **SUMMARY**

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1976 through 2007. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

**Date EDR Searched Historical Sources:** April 22, 2008

**Target Property:**

6014 Lewis Rd  
Vacaville, CA 95687

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Address Not Listed in Research Source	Haines Criss-Cross Directory
1981	Address Not Listed in Research Source	Haines Criss-Cross Directory
1985	Address Not Listed in Research Source	Haines Criss-Cross Directory
1995	No Return	Haines Criss-Cross Directory
2000	Residence	Haines Criss-Cross Directory
2007	Residence	Haines Criss-Cross Directory

**Adjoining Properties**

**SURROUNDING**

Multiple Addresses  
Vacaville, CA 95687

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	*Lewis Rd*	Haines Criss-Cross Directory
	Address not listed in research source (6018)	Haines Criss-Cross Directory
	Address not listed in research source (6021)	Haines Criss-Cross Directory
	Address not listed in research source (6100)	Haines Criss-Cross Directory
	No other addresses in (5900 - 6199) block Lewis Rd	Haines Criss-Cross Directory
	*Fry Rd*	Haines Criss-Cross Directory
	Address not listed in research source (5611)	Haines Criss-Cross Directory
	Address not listed in research source (5672)	Haines Criss-Cross Directory
1981	*Lewis Rd*	Haines Criss-Cross Directory
	Address not listed in research source (6018)	Haines Criss-Cross Directory
	Address not listed in research source (6021)	Haines Criss-Cross Directory
	Address not listed in research source (6100)	Haines Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	No other addresses in (5900 - 6199) block Lewis Rd	Haines Criss-Cross Directory
	*Fry Rd*	Haines Criss-Cross Directory
	Address not listed in research source (5611)	Haines Criss-Cross Directory
	Address not listed in research source (5672)	Haines Criss-Cross Directory
1985	*Lewis Rd*	Haines Criss-Cross Directory
	Residence (6018)	Haines Criss-Cross Directory
	Address not listed in research source (6021)	Haines Criss-Cross Directory
	Residence (6100)	Haines Criss-Cross Directory
	No other addresses in (5900 - 6199) block Lewis Rd	Haines Criss-Cross Directory
	*Fry Rd*	Haines Criss-Cross Directory
	Address not listed in research source (5611)	Haines Criss-Cross Directory
	Residence (5672)	Haines Criss-Cross Directory
1995	*Lewis Rd*	Haines Criss-Cross Directory
	No Return (6018)	Haines Criss-Cross Directory
	Address not listed in research source (6021)	Haines Criss-Cross Directory
	Address not listed in research source (6100)	Haines Criss-Cross Directory
	No other addresses in (5900 - 6199) block Lewis Rd	Haines Criss-Cross Directory
	*Fry Rd*	Haines Criss-Cross Directory
	Address not listed in research source (5611)	Haines Criss-Cross Directory
	Residence (5672)	Haines Criss-Cross Directory
2000	*Lewis Rd*	Haines Criss-Cross Directory
	No Return (6018)	Haines Criss-Cross Directory
	Address not listed in research source (6021)	Haines Criss-Cross Directory
	Residence (6100)	Haines Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	No other addresses in (5900 - 6199) block Lewis Rd	Haines Criss-Cross Directory
	*Fry Rd*	Haines Criss-Cross Directory
	Address not listed in research source (5611)	Haines Criss-Cross Directory
	Residence (5672)	Haines Criss-Cross Directory
2007	*Lewis Rd*	Haines Criss-Cross Directory
	Residence (6018)	Haines Criss-Cross Directory
	No Return (6021)	Haines Criss-Cross Directory
	Residence (6100)	Haines Criss-Cross Directory
	No other addresses in (5900 - 6199) block Lewis Rd	Haines Criss-Cross Directory
	*Fry Rd*	Haines Criss-Cross Directory
	Residence (5611)	Haines Criss-Cross Directory
	Horse Haven Ranch (5672)	Haines Criss-Cross Directory

**Attachment 8**  
**Liens and Chain of Ownership**

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## CHAIN OF OWNERSHIP REPORT COMBO

### CLIENT INFORMATION

<b>Client:</b>	Environmental Data Resources	<b>Report Date:</b>	04/25/2008
<b>Client No.:</b>	12010	<b>Index Date:</b>	04/21/2008
<b>Address:</b>	440 Wheelers Farms Rd Milford, CT 06460	<b>Order ID:</b>	84-200-1-4047
<b>Contact:</b>	Chris Courtney	<b>Client Ref.:</b>	2192405.8S
<b>Phone:</b>	800-352-0050	<b>PO Number:</b>	LYNA BLACK
<b>Delivery:</b>	ccourtney@edmet.com		

### CURRENT OWNER INFORMATION

<b>Current Owner of Record:</b>	City of Vacaville
<b>Current Site Address:</b>	LEWIS ROAD/FRY ROAD VACAVILLE, CA 95687
<b>County of Research:</b>	SOLANO

### LEGAL DESCRIPTION

ALL THAT REAL PROPERTY SITUATE IN THE COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS: BEING MORE FULLY DESCRIBED IN INSTRUMENT NO. 71333 IN DEED RECORDS OF SOLANO COUNTY, CALIFORNIA.

**NOTE:** Ameristar does not represent that the above legal description, acreage, or square footage calculations are correct. We have taken this information directly from a document recorded at the courthouse.

### TAX INFORMATION

**PARCEL IDENTIFICATION NUMBER:** 01742-200-040

**DISCLAIMER:** This report contains information obtained from public records, and being that our company is not the primary provider of such, Ameristar cannot and will not, for the fee charged, be an insurer or guarantor of the accuracy or reliability of said information. Ameristar does not guarantee or warrant the accuracy, timeliness, completeness, currentness, merchantability or fitness for a particular purpose of services provided. Further, Ameristar's sole liability is limited to the cost of this report only. Ameristar is not liable to user for any loss or injury arising out of or caused, in whole or in part, by Ameristar's acts or omissions, whether negligent or otherwise, in procuring, compiling, collecting, interpreting, reporting, communicating, or delivering the services or information contained herein. THIS REPORT IS NOT AN ABSTRACT, OPINION OF TITLE, TITLE COMMITMENT NOR GUARANTEE, OR TITLE INSURANCE POLICY.

**DEED / OWNERSHIP INFORMATION**

\*Search was performed from 01/01/1940 through 04/21/2008.

**GRANT DEED:**

**DATED:** 12/10/1948  
**GRANTOR:** William P. Evanikoff and Doris A. Evanikoff  
**GRANTEE:** William P. Evanikoff and Doris A. Evanikoff  
**VOLUME:** 456 **PAGE:** 251

**DECREE DEED:**

**DATED:** 06/13/1967  
**GRANTOR:** William P. Evanikoff (Deceased)  
**GRANTEE:** Doris Evanikoff and Kathryn Jacobson  
**VOLUME:** 1441 **PAGE:** 334

**GRANT DEED:**

**DATED:** 11/17/1970  
**GRANTOR:** Doris Evanikoff  
**GRANTEE:** Doris Evanikoff and Kathryn Jacobson  
**VOLUME:** 1653 **PAGE:** 165

**AFF-DEATH DEED:**

**DATED:** 06/17/1974  
**GRANTOR:** Doris Evanikoff (Deceased)  
**GRANTEE:** Kathryn Jacobson  
**INSTRUMENT NO.:** 24951

**GRANT DEED:**

**DATED:** 05/13/1974  
**GRANTOR:** Kathryn Jacobson  
**GRANTEE:** Rodolfo B. Lozano, Carmen P. Lozano, William A. Lozano and Karen D. Lozano  
**INSTRUMENT NO.:** 12425

**GRANT DEED:**

**DATED:** 01/19/1977  
**GRANTOR:** Kathryn Jackson and Albert Jacobson: John Evanikoff and Catherine Evanikoff; Vera Milburn and Harry Milburn  
**GRANTEE:** Rodolfo B. Lozano, Carmen P. Lozano, William A. Lozano and Karen D. Lozano  
**INSTRUMENT NO.:** 2236

**GRANT DEED:**

**DATED:** 11/08/1983  
**GRANTOR:** William A. Lozano and Karen D. Lozano  
**GRANTEE:** William D. Lozano  
**INSTRUMENT NO.:** 49525

**TRUST TRANS DEED:**

**DATED:** 06/12/1991  
**GRANTOR:** Rodolfo Lozano, WATA Rodolfo B. Lozano and Carmen P. Lozano  
**GRANTEE:** Rodolfo Lozano and Carmen P. Lozano, Trustees of the Lozano Living Trust  
Dated 04/14/1991  
**INSTRUMENT NO.:** 40505

**WARRANTY DEED:**

**DATED:** 08/17/1999  
**GRANTOR:** William A. Lozano, Rodolfo B. Lozano and Carmen P. Lozano  
**GRANTEE:** City of Vacaville  
**INSTRUMENT NO.:** 71333

Recording Requested By:

1999-00071333  
Recorded By:  
CITY OF VACAVILLE

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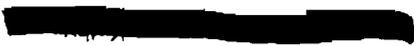
When Recorded Mail To:

Official Records  
County of Solano  
Robert Blechscheidt  
Assessor/Recorder

CITY OF VACAVILLE  
650 MERCHANT STREET  
VACAVILLE CA 95688-6908

16:34 17-AUG-99 AM29 20 Pgs

FINAL ORDER OF CONDEMNATION



To all to whom these presents shall come. Greeting:

By virtue of the authority vested in me by the Archivist of the United States, I certify on his behalf, under the seal of the National Archives and Records Administration, that the attached reproduction(s) is/are a true and correct copy of documents in his custody.

SIGNATURE <i>Gary C. Cramer</i>	
NAME GARY C. CRAMER	DATE 08-12-99
TITLE Coordinator, Records Center Operations	
NAME AND ADDRESS OF DEPOSITORY Office of Regional Records Services Pacific Region (San Francisco) 1008 Commodore Drive San Bruno, CA 94064-3350	

U.S. GPO: 1998-0-77983

NA FORM 13040 (10-88)

1 G. RICHARD BROWN, ESQ. (State Bar No. 050203)  
2 HARRIET A. STEINER, ESQ. (State Bar No. 109436)  
3 WILLIAM L. OWEN, ESQ. (State Bar No. 038143)  
4 McDONOUGH, HOLLAND & ALLEN  
5 A Professional Corporation  
6 555 Capitol Mall, Suite 950  
7 Sacramento, California 95814  
8 Telephone: (916) 444-3900

9 Attorney for Plaintiff City of Vacaville

**FILED**

MAR 15 1991

CLERK, U. S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
BY \_\_\_\_\_ REPORTER

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IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF CALIFORNIA

JJM

CITY OF VACAVILLE,  
Plaintiff,  
v.  
WILLIAM A. LOZANO, et al.,  
Defendants.

NO. CIVS-89-1156 RAR-JJM  
FINAL ORDER OF CONDEMNATION

On February 6, 1991, this Court made and granted a Stipulated Judgment in Eminent Domain, entered on February 6, 1991, adjudging that plaintiff City of Vacaville ("City") is entitled to condemn, as prayed for in its complaint in eminent domain, against defendants William A. Lozano, Rodolfo B. Lozano, Carmen P. Lozano and Arnaldo Lozano (hereinafter collectively referred to as "Lozanos") and all persons unknown ("Defendants") all right, title and interest in the real property described in Exhibit "A" to the complaint filed in the above-entitled action (the "subject property") and the real property described in Exhibit "A" to the Amendment to Complaint filed on January 14, 1991 (the "additional property"), on payment to Lozanos and others, as specified in the Stipulated Judgment, of the sum specified therein; and

In accordance with said judgment, the City has paid to Lozanos the sum necessary to satisfy the judgment, less amounts owing by Lozanos with respect to the subject property and the

##

1 additional property as set forth in the stipulated judgment, which amounts were paid directly to  
2 the remaining named defendants, and others, as follows:

3 A. Defendants County of Solano; State of California, Franchise Tax Board;  
4 Sacramento Valley Production Credit Association, a California corporation, formerly  
5 known as Woodland Production Credit Association; Karen (Lozano) Mertz; United States  
6 of America, on behalf of its agency, Internal Revenue Service; Clement A. Perrucci and  
7 Cal Growers, Inc., creditors of record in the above-entitled action have been paid all  
8 amounts owed them as evidenced by the accompanying Acknowledgments of Receipt of  
9 Funds in Satisfaction of Demand;

10 B. Frontier Fertilizer, Inc., a judgment creditor of Lozanos, has been paid all  
11 amounts owed it as evidenced by the accompanying Acknowledgment of Receipt of Funds  
12 in Satisfaction of Demand; and

13 C. The County of Solano has been paid all amounts owing for delinquent taxes  
14 on the subject property and the additional property;

15 IT IS HEREBY ORDERED AND ADJUDGED that fee title to the subject property as  
16 described in Exhibit "A" to the complaint, and fee title to the additional property as described in  
17 the Amendment to Complaint filed on January 14, 1991, is hereby condemned and appropriated  
18 for the public use of the City as specified in the Stipulated Judgment in Eminent Domain, and that  
19 the title thereto, on the date of recording a certified copy of this Final Order of Condemnation,  
20 shall vest in the City of Vacaville, a municipal corporation located in the County of Solano, State  
21 of California, free and clear of all claims, right, title, interest, or liens in, to, on, or against said  
22 property which Lozanos, the remaining named defendants, Frontier Fertilizer, Inc., and all  
23 persons unknown claiming an interest in the subject property and the additional property may  
24 have thereto or therein. The real property referred to by this decree, and the title to which shall  
25 vest in the City herein, is the real property more particularly described in Exhibit "A", which is  
26 attached hereto and, by this reference, made a part hereof.

27 IT IS FURTHER ORDERED AND ADJUDGED that the real property taxes attributable to  
28 the subject property (Exhibit "A", p. 1 of 3 and Exhibit "A", p. 2 of 3) shall be prorated and

1 cancelled as of July 29, 1988; and the real property taxes attributable to the additional property  
2 (Exhibit "A", p. 3 of 3) shall be prorated and cancelled as of January 3, 1991.

3 DATED: March 12, 1991

4   
5 United States District Judge

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# EXHIBIT A

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SOLANO, CITY OF UNINCORPORATED AREA, AND IS DESCRIBED AS FOLLOWS:

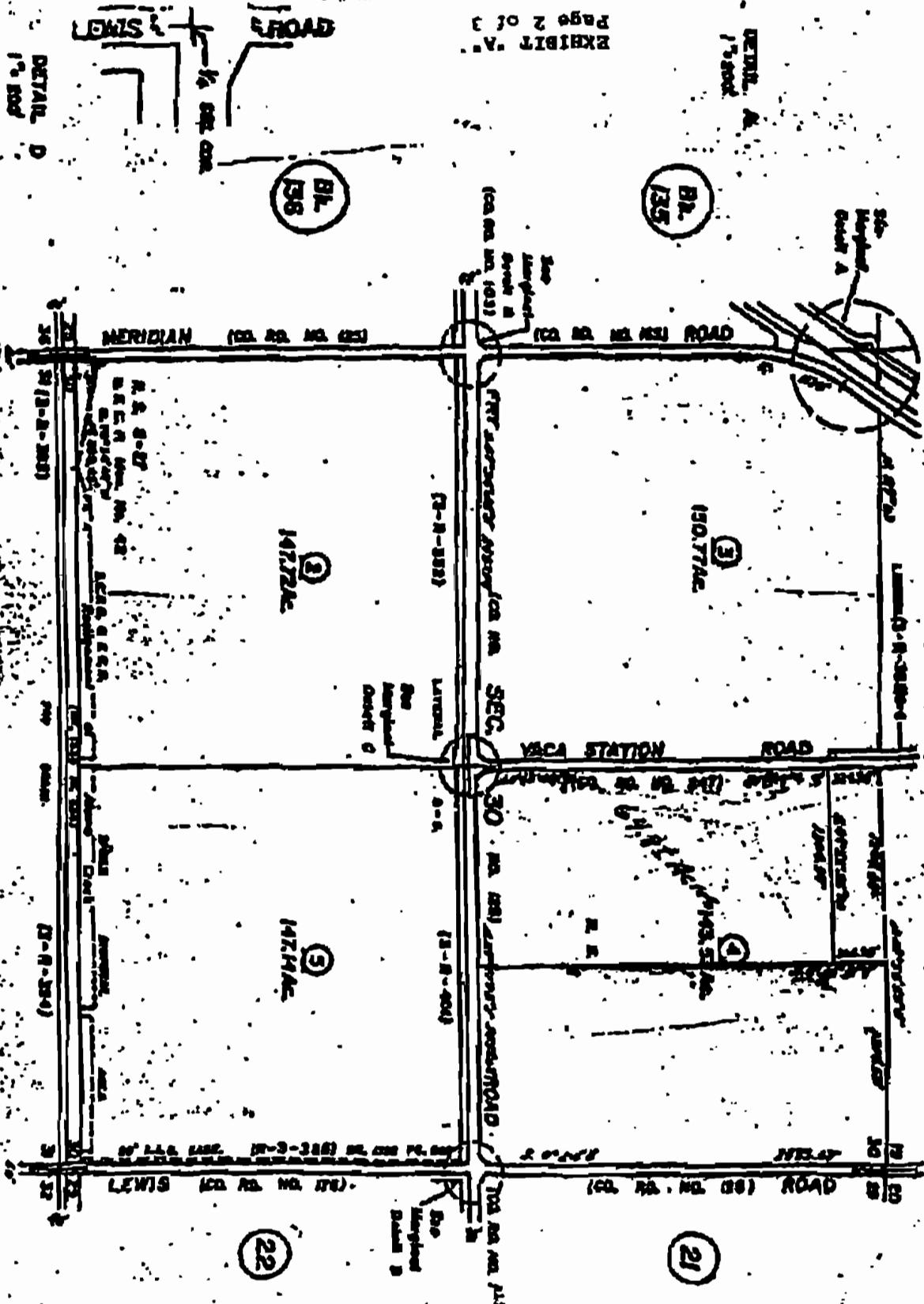
THE NORTHEAST QUARTER (1/4) OF SECTION 30, TOWNSHIP 8 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM THAT PORTION THEREOF LYING WITHIN THE PARCEL OF LAND DESCRIBED IN THE DEED FROM WILLIAM P. EVANIKOFF, ET UX, TO CITY OF VACAVILLE, DATED DECEMBER 26, 1958 AND RECORDED FEBRUARY 20, 1959 IN BOOK 862 OF OFFICIAL RECORDS, PAGE 396, INSTRUMENT NO. 3822, AS FOLLOWS:

COMMENCING AT AN IRON PIPE AT THE NORTH END OF A COURSE 87.62 FEET IN LENGTH AS SHOWN ON A MAP ENTITLED: "A MAP OF RECORD OF SURVEY IN THE VILLAGE OF ELMIRA, SECTION 19, OF TOWNSHIP 8 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE AND MERIDIAN; WHICH MAP WAS FILED WITH THE OFFICE OF THE RECORDER, COUNTY OF SOLANO, STATE OF CALIFORNIA, IN BOOK 4 OF SURVEYS ON PAGE 52. SAID PIPE BEING ON THE SOUTHERLY BANK OF ALAMO CREEK; THENCE NORTH 0° 47' WEST 13 FEET TO THE APPROXIMATE CENTERLINE OF ALAMO CREEK AND THE BEGINNING OF THIS DESCRIPTION; THENCE EASTERLY ALONG THE CENTERLINE OF ABOVE MENTIONED ALAMO CREEK AS FOLLOWS: NORTH 84° 01' 55" EAST 121.80 FEET; THENCE NORTH 85° 35' 37" EAST 149.75 FEET; THENCE SOUTH 86° 04' 23" EAST 134.34 FEET; THENCE SOUTH 83° 49' 14" EAST, 111.21 FEET; THENCE SOUTH 83° 39' 12" EAST 244.81 FEET; THENCE SOUTH 83° 13' 08" EAST 311.17 FEET; THENCE SOUTH 82° 33' 38" EAST 163.18 FEET; THENCE SOUTH 75° 34' 39" EAST 88.47 FEET; THENCE SOUTH 46° 43' 47" EAST 97.19 FEET TO A POINT WHERE THE SIXTEENTH SECTION LINE OF THE SOUTHEAST QUARTER OF AFOREMENTIONED SECTION 19, TOWNSHIP 8 NORTH, RANGE 1 EAST, INTERSECTS THE CENTERLINE OF ABOVE MENTIONED ALAMO CREEK; THENCE SOUTH 0° 47' EAST 799.26 FEET ALONG SAID SIXTEENTH SECTION LINE TO THE SECTION LINE BETWEEN SECTIONS 19 AND 30 OF THE ABOVE MENTIONED TOWNSHIP 8 NORTH, RANGE 1 EAST, THENCE SOUTH 0° 23' 51" EAST 324.98 FEET ALONG THE SIXTEENTH SECTION LINE OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 8 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE & MERIDIAN; THENCE SOUTH 89° 55' 55" WEST 1314.59 FEET TO THE QUARTER SECTION LINE OF THE ABOVE MENTIONED SECTION 30, SAID QUARTER SECTION LINE BEING ALSO THE CENTERLINE OF COUNTY ROAD NUMBER 247 AS SO DESIGNATED BY THE COUNTY SURVEYOR OF SOLANO COUNTY, THENCE NORTH 0° 23' 43" WEST 324.98 FEET ALONG SAID CENTERLINE OF ROAD 247 TO THE SECTION LINE BETWEEN SECTIONS 19 AND 30 OF AFOREMENTIONED TOWNSHIP 8 NORTH, RANGE 1 EAST; THENCE NORTH 0° 47' WEST 1012 FEET ALONG SAID AFOREMENTIONED CENTERLINE OF ROAD 247 TO THE TRUE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM THOSE PORTIONS THEREOF DESCRIBED IN THE DEED FROM DORIS A. EVANIKOFF, ET AL, TO THE COUNTY OF SOLANO, DATED JULY 22, 1971 AND RECORDED SEPTEMBER 8, 1971 IN BOOK 1708 OF OFFICIAL RECORDS, PAGE 398, INSTRUMENT NO. 18198, AND IN THE DEED FROM DORIS A. EVANIKOFF, ET AL TO COUNTY OF SOLANO, DATED FEBRUARY 29, 1972, RECORDED MARCH 12, 1972 IN BOOK 1740 OF OFFICIAL RECORDS, PAGE 81, INSTRUMENT NO. 6158.

ALSO EXCEPTING THEREFROM ALL THAT PORTION THEREOF DESCRIBED IN THE DEED TO THE COUNTY OF SOLANO, RECORDED APRIL 3, 1975.



DETAIL D  
1" = 100'

DETAIL A  
1" = 500'

BL. 136

BL. 135

22

21

LEGAL DESCRIPTION OF PROPERTY TO BE ACQUIRED FROM  
WILLIAM A. LOZANO ET. AL. BY THE CITY OF VACAVILLE.

ALL THAT REAL PROPERTY SITUATE IN THE COUNTY OF SOLANO, STATE  
OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE LANDS OF WILLIAM A. LOZANO ET. AL.,  
BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE EAST HALF (1/2) OF THE NORTHEAST QUARTER (1/4) OF SECTION  
20, TOWNSHIP 6 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE AND  
MERIDIAN.

EXCEPTING THEREFROM THAT PORTION LYING WITHIN FRY ROAD  
(COUNTY ROAD NO. 128) AND LEWIS ROAD (COUNTY ROAD NO. 128)  
AS SAID ROADS EXISTED ON JANUARY 12, 1981.

CONTAINING 76.56 ACRES, MORE OR LESS

1 CASE TITLE CITY OF VACAVILLE v. WILLIAM A. LOZANO, etc., et al.

2 COURT/CASE NO.: United States District Court, Eastern District, No. CIVS-89-1156  
RAR-JFM

3  
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5 **PROOF OF SERVICE**  
6 **(Federal)**

7 I am employed in the County of Sacramento: my business address is 555 Capitol Mall,  
8 Suite 930, Sacramento, California. I am over the age of 18 years and not a party to the foregoing  
9 action.

10 On March 6, 1991, I served the following document(s):

11 **FINAL ORDER OF CONDEMNATION**

12  
13 on all parties in said action by placing a true copy thereof enclosed in a sealed envelope, with  
14 postage thereon fully prepaid, in the United States post office mailbox at Sacramento, California,  
15 addressed as set forth as follows:

16 **SEE ATTACHMENT A**

17 I declare under penalty of perjury that the foregoing is true and correct. Executed on  
18 March 6, 1991, at Sacramento, California.

19  
20   
21 Margery M. Narciss

ATTACHMENT A

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James T. Freeman, Esq.  
Diepenbrock, Wulff, Plant & Hannegan  
300 Capitol Mall, Suite 1700  
Post Office Box 3034  
Sacramento, CA 95812-3034

Daniel E. Litgren  
Attorney General  
James B. Cusco  
Supervising Deputy Attorney General  
1515 K Street, Suite 511  
Post Office Box 94255  
Sacramento, CA 94244-2550

Michael E. Barber, Esq.  
Greve, Clifford, Diepenbrock & Paris  
1000 G Street, Suite 400  
Post Office Box 2469  
Sacramento, CA 95812-2469

Peter Flaxman, Esq.  
Siles & Flaxman  
591 Redwood Highway, Suite 2375  
Mill Valley, CA 94941

Mark Atkins, Esq.  
General Counsel  
Sacramento Valley Farm Credit Association  
283 Main Street  
Post Office Box 269  
Woodland, CA 95695

Richard Thornburgh  
United States Attorney  
John F. Gisa  
Assistant United States Attorney  
3305 Federal Building  
650 Capitol Mall  
Sacramento, CA 95814

Clerk of Board of Supervisors  
County of Solano  
580 Texas Street  
Fairfield, CA 94533

Howard S. Nevins, Esq.  
Delbert W. Oros, Esq.  
Hefner, Stark & Marois  
2710 Gateway Oaks Drive  
Suite 300 South  
Sacramento, CA 95833

COURTESY COPIES TO:

Joseph E. Dworak, Esq.  
Berliner, Cohen & Biagini  
Ten Almaden Boulevard, 11th Floor  
San Jose, CA 95113-2233

Christopher J. Konwinski, Esq.  
Calfee & Young  
611 North St., P.O. Box 2143  
Woodland, CA 95695

United States District Court  
for the  
Eastern District of California  
March 15, 1991

\* \* CERTIFICATE OF SERVICE \* \*

2:89-cv-01156

Vacaville

Losano

I, the undersigned, hereby certify that I am an employee in the Office of the Clerk, U.S. District Court, Eastern District of California.

That on March 15, 1991, I SERVED a true and correct copy(ies) of the attached, by placing said copy(ies) in a postage paid envelope addressed to the person(s) hereinafter listed, by depositing said envelope in the U.S. Mail, or by placing said copy(ies) into an inter-office delivery receptacle located in the Clerk's office.

James T Freeman  
Diepenbrock Wulff Plant and Mannegan  
300 Capital Mall  
Suite 1700  
Sacramento, CA 95814-3034

TJM

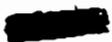
DAG  
Attorney General's Office of the State of California  
Deputy Attorney General  
1515 K Street  
Suite 511  
P O Box 944255  
Sacramento, CA 94244-2550

Delbert W Oros  
Hefner, Stark & Harois  
2710 Gateway Oaks Drive  
300 South  
Sacramento, CA 95833-3501

Peter Flaxman  
591 Redwood Highway  
Mill Valley, CA 94941

Jack L. Wagner, Clerk

BY: *Henry Miyata*  
Deputy Clerk



1 G. RICHARD BROWN, ESQ. (State Bar No. 050203)  
2 HARRIET A. STEINER, ESQ. (State Bar No. 109436)  
3 WILLIAM L. OWEN, ESQ. (State Bar No. 038143)  
4 McDONOUGH, HOLLAND & ALLEN  
5 A Professional Corporation  
6 555 Capitol Mall, Suite 950  
7 Sacramento, California 95814  
8 Telephone: (916) 444-3900

9 Attorneys for Plaintiff City of Vacaville

**FILED**

**FEB - 6 1991**

U.S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
BY \_\_\_\_\_ CLERK

**RECEIVED**  
**FEB 06 1991**  
U.S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
CLERK

10 IN THE UNITED STATES DISTRICT COURT

11 FOR THE EASTERN DISTRICT OF CALIFORNIA

12 CITY OF VACAVILLE,

13 Plaintiff,

14 v.

15 WILLIAM A. LOZANO, et al.,

16 Defendants.

NO. CIVS-89-1156 RAR-JFM

STIPULATED JUDGMENT  
IN EMINENT DOMAIN

17 This stipulated judgment is made with reference to the following facts.

18 1. Plaintiff City of Vacaville ("City") is a public entity with the power to acquire real  
19 property in eminent domain.

20 2. Defendants William A. Lozano, Rodolfo B. Lozano, Carmen P. Lozano and  
21 Armando Lozano (collectively referred to herein as "Lozanos") are the owners of the real  
22 property described in the Resolution of Necessity which is attached to the complaint as Exhibit A  
23 (the subject property).

24 3. Lozanos are also the owners of the real property described in the amendment to  
25 complaint filed in the above-entitled court on January 14, 1991 (the "additional property").

26 4. Defendants County of Solano; State of California, Franchise Tax Board;  
27 Sacramento Valley Production Credit Association, a California corporation, formerly known as

28 ///

1 Woodland Production Credit Association; Karen (Lozano) Mertz; United States of America, on  
2 behalf of its agency, Internal Revenue Service; and Clement A. Ferrucci are creditors of record  
3 on the subject property and/or the additional property. Defendants County of Solano and  
4 Clement A. Ferrucci have not filed a responsive pleading to the first amended complaint.

5 5. City obtained an order for immediate possession of the subject property. In  
6 accordance with the order, the City was authorized to take possession of the subject property on  
7 July 29, 1988. The settlement agreement provides that the City is authorized to take possession  
8 of the additional property on January 3, 1991, the date of deposit of the settlement amount into  
9 Court.

10 6. On August 23, 1989, the above-entitled action was removed by defendant United  
11 States of America from the Solano County Superior Court to this Court.

12 7. On June 27, 1988, the City deposited the sum of \$107,000.00 with the Solano  
13 County Superior Court as just compensation for the subject property. On September 12, 1989,  
14 the deposit was transferred to the United States District Court, Eastern District of California. On  
15 November 14, 1989, \$96,299.40 was withdrawn by defendants Kathryn Jacobson, Vera  
16 Milburn, Catherine Evankoff and John Warda pursuant to order of the court. The amount  
17 withdrawn fully satisfies the lien of said defendants relative to the subject property.

18 8. Defendants First American Title Insurance Company, a California corporation, and  
19 Tior Title Insurance Company of California, a California corporation, disclaimed any interest in  
20 the subject property and any compensation which may be awarded in the eminent domain  
21 proceeding, via disclaimers filed with the Solano County Superior Court on August 22, 1989,  
22 and August 24, 1989, respectively.

23 9. On December 18, 1990, \$10,843.86, being the total amount remaining on deposit,  
24 less costs, was withdrawn by defendant Sacramento Valley Production Credit Association to  
25 partially satisfy the amount owing it due to liens on the subject property and the additional  
26 property.

27 10. The public interest and necessity require the acquisition of the subject property and  
28 the additional property. The acquisition is necessary for the expansion of wastewater treatment

1 facilities in Vacaville, California, and is compatible with the greatest public good and the least  
2 private injury.

3 11. The City and Lozanos entered into a settlement agreement in December 1990. The  
4 settlement agreement provided that the City will pay the Lozanos the sum of \$7,100 per acre for  
5 the subject property, for a total of \$475,558.00, plus interest as allowed by law; and \$7,475.00  
6 per acre for the additional property, plus a the sum of \$25,000, for a total of \$597,286.00.

7 12. On March 6, 1989, Lozanos filed a complaint in inverse condemnation and for  
8 damages (action no. 103797, Solano County Superior Court), alleging damages to property  
9 owned by them caused by ground water flow and/or seepage associated with the ongoing  
10 activities of the City in connection with the wastewater treatment facilities.

11 IT IS THEREFORE STIPULATED AND AGREED BY AND BETWEEN THE PARTIES  
12 THAT:

13 13. The City shall take judgment against Lozanos condemning all right, title and interest  
14 of Lozanos and all other persons to the subject property and the additional property for the  
15 purpose of wastewater treatment facility expansion.

16 14. On or before January 3, 1991, the City shall deposit in the McDonough,  
17 Holland & Allen trust account the sum of \$1,063,413.77, which sum is the total amount due  
18 Lozanos for the acquisition of the subject property and the additional property, computed as  
19 follows:

20	Settlement - condemned property:	\$475,558.00
21	Less: Withdrawal - 11/14/89:	(96,299.40)
22	Less: Withdrawal - 12/18/90:	(10,843.86)
23	Plus: Accrued interest on condemned property:	97,713.03
24	Plus: Additional acquisition:	572,286.00
25	Plus: Lump sum payment - additional property:	<u>25,000.00</u>
26	TOTAL:	<u>\$1,063,413.77</u>

27 15. On or before January 15, 1991, the City shall give notice of the deposit to all  
28 lienholders of record, including those lienholders who have not filed responsive pleadings, as set  
forth in paragraph 4 above, but excepting those lienholders who have previously filed a demand  
for payment of funds. The lienholders shall be notified that they may appear before the Court on

1 or before February 15, 1991, to apply for orders directing the disbursement of funds to them as  
2 their interests are determined by the Court. In the event the demands exceed the amount on  
3 deposit, the Court shall, upon expiration of the time to make a demand, establish the priority of  
4 liens and order the payment of funds. No lienholders shall be paid before February 15, 1991,  
5 without prior order of the Court.

6 16. Upon disbursement of the proceeds of the deposit to the lienholders and to the  
7 Lozanos (to the extent there are proceeds exceeding the amount of the outstanding liens), the  
8 Lozanos and the lienholders shall execute satisfactions of judgment.

9 17. Upon the filing of satisfactions of judgment, the City may have, without further  
10 notice to Lozanos, a final order of condemnation with respect to the subject property and the  
11 additional property.

12 18. Lozanos hereby waive all claims and compensation relating to action no. 103797,  
13 Solano County Superior Court. Upon the filing of the stipulated judgment in eminent domain,  
14 the Lozanos shall dismiss action 103797, in its entirety, with prejudice, subject to the terms of  
15 the settlement agreement entered into between the City and Lozanos.

16 19. Lozanos shall be liable for all property taxes owing on the subject property and the  
17 additional property as of the dates of apportionment established in paragraph 5 above. The City  
18 shall pay to the Solano County Tax Collector the sum of \$18,114.14 on behalf of the Lozanos on  
19 or before January 31, 1991, from the funds held in the McDonough, Holland & Allen trust  
20 account. Lozanos shall be entitled to seek reimbursement for any taxes erroneously collected  
21 pursuant to the provisions of California Code of Civil Procedure section 1268.440.

22 20. The City will pay from the funds held in trust in the McDonough, Holland & Allen  
23 trust account on behalf of the Lozanos the delinquent unsecured personal property tax in the  
24 approximate amount of \$81.56 on or before January 31, 1991.

25 21. Lozanos shall be entitled to any funds remaining on deposit upon proof that all  
26 outstanding taxes on the subject property and the additional property have been paid to the date of  
27 apportionment.

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22. Lozanos hereby waive:

- a. Any and all defenses;
- b. Any additional compensation;
- c. Notice of entry of judgment; and
- d. The right to appeal.

6. Each party will bear its own costs, including attorneys' fees.

DATED: 2/6, 1991.

McDONOUGH, HOLLAND & ALLEN  
A Professional Corporation

By: Maigret Steiner  
for R. Richard Brown  
Attorneys for Plaintiff City of Vacaville

DATED: 2/6, 1991.

DIEPENBROCK, WULFF, PLANT  
& HANNEGAN

By: James T. Freeman  
James T. Freeman  
Attorneys for Defendants William A. Lozano,  
Rodolfo B. Lozano, Carmen P. Lozano and  
Armando Lozano

**JUDGMENT**

Based on the foregoing stipulation, it is hereby  
ORDERED, ADJUDGED AND DECREED as follows:

1. The City of Vacaville shall take judgment against defendants William A. Lozano, Rodolfo B. Lozano, Carmen P. Lozano and Armando Lozano (collectively referred to herein as "Lozanos") condemning all right, title and interest of Lozanos in the subject property described in the resolution attached as Exhibit A to the complaint on file herein, and the additional property as described in the amendment to the complaint filed January 14, 1991.

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*JW? 2/6/91*

2. Defendants ~~Bankers Trust~~ First American Title Insurance Company, a California corporation, and Titor Title Insurance Company of California, a California corporation, having disclaimed any interest in the property at issue in the lawsuit and in the compensation awarded, shall be dismissed from the action and shall take nothing by way of the first amended complaint.

3. Defendants Kathryn Jacobson, Vera Milburn, Catherine Ewanikoff and John Ward, having withdrawn an amount sufficient to satisfy all outstanding obligations of Lozano, shall be dismissed from the action and shall take nothing by way of the first amended complaint.

4. Upon disbursement of the proceeds to the lienholders and to the Lozanos (to the extent there are proceeds exceeding the amount of outstanding liens), the City shall be entitled to a final order of condemnation as provided by Code of Civil Procedure section 1268.030 with respect to the subject property and the additional property.

5. The real property taxes attributable to the subject property shall be prorated and cancelled as of July 29, 1988. The real property taxes attributable to the additional property shall be prorated and cancelled as of January 3, 1991.

DATED: Feb 6, 1991

*[Signature]*  
United States District Court Judge

1 CASE TITLE CITY OF VACAVILLE v. WILLIAM A. LOZANO, etc., et al.

2 COURT/CASE NO.: United States District Court, Eastern District, No. CIVS-89-1156  
RAR-JFM

3

4

5

**PROOF OF SERVICE**  
(Federal)

6

7

8 I am employed in the County of Sacramento; my business address is 555 Capitol Mall,  
9 Suite 950, Sacramento, California. I am over the age of 18 years and not a party to the foregoing  
10 action.

10

11

On February 6, 1991, I served the following document(s):

11

**STIPULATED JUDGMENT IN EMINENT DOMAIN**

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on all parties in said action by placing a true copy thereof enclosed in a sealed envelope, with  
postage thereon fully prepaid, in the United States post office mailbox at Sacramento, California,  
addressed as set forth as follows:

SEE ATTACHMENT A

I declare under penalty of perjury that the foregoing is true and correct. Executed on  
February 6, 1991, at Sacramento, California.

  
Margaret M. Narcross

**ATTACHMENT A**

1

2 James T. Freeman, Esq.  
3 Diepenbrock, Wolff, Plant & Hannegan  
4 300 Capitol Mall, Suite 1700  
5 Post Office Box 3034  
6 Sacramento, CA 95812-3034

5 Don Lundgren  
6 Attorney General  
7 Robert F. Tyler  
8 Supervising Deputy Attorney General  
9 1515 K Street, Suite 511  
10 Post Office Box 944255  
11 Sacramento, CA 94244-2550

9 Michael E. Barber, Esq.  
10 Grove, Clifford, Diepenbrock & Paras  
11 1000 G Street, Suite 400  
12 Post Office Box 2469  
13 Sacramento, CA 95812-2469

12 Peter Flaxman, Esq.  
13 Silen & Flaxman  
14 591 Redwood Highway, Suite 2375  
15 Mill Valley, CA 94941

14 Mark Atkins, Esq.  
15 General Counsel  
16 Sacramento Valley Farm Credit Association  
17 283 Main Street  
18 Post Office Box 269  
19 Woodland, CA 95695

18 Richard Thornburgh  
19 United States Attorney  
20 John F. Giza  
21 Assistant United States Attorney  
22 3305 Federal Building  
23 650 Capitol Mall  
24 Sacramento, CA 95814

22 Clerk of Board of Supervisors  
23 County of Solano  
24 580 Texas Street  
25 Fairfield, CA 94533

24 Howard S. Novins, Esq.  
25 Delbert W. Oros, Esq.  
26 Heiner, Stark & Marois  
27 2710 Gateway Oaks Drive  
28 Suite 300 South  
Sacramento, CA 95833

END OF DOCUMENT

# EDR Environmental LienSearch™ Report

## TARGET PROPERTY INFORMATION

### ADDRESS

CLIENT REF 2192405.7S  
Site Address LEWIS ROAD/FRY ROAD  
Site CSZ Vacaville, CA 95687

### RESEARCH SOURCE

Sources: **Solano County**

### DEED INFORMATION

Type of Deed: Deed  
Title is vested in: City of Vacaville  
Title received from: William A. Lozano, Rodolfo B. Lozano and Carmen P. Lozano  
Deed Dated: 08/12/1999  
Deed Recorded: 08/17/1999  
Book: 71333

### LEGAL DESCRIPTION

Description: ALL THAT REAL PROPERTY SITUATE IN THE COUNTY OF SOLANO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS: BEING MORE FULLY DESCRIBED IN INSTRUMENT NO. 71333 IN DEED RECORDS OF SOLANO COUNTY, CALIFORNIA.  
Assessor's Parcel Number: 01742-200-040

### ENVIRONMENTAL LIEN

Environmental Lien: Found  Not Found

If yes:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:

Recorded:

Book:

Page:

Comments:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found  Not Found

**EDR Environmental LienSearch™ Report**

**Copy of Deed and any instruments.**

**Recording Requested By:**

1999-00071333  
Recorded By:  
CITY OF VACAVILLE

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BurMon  
NoPCOM  
IncFee  
DITax  
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**When Recorded Mail To:**

Official Records  
County of Solano  
Robert Blechschmidt  
Assessor/Recorder

CITY OF VACAVILLE  
650 MERCHANT STREET  
VACAVILLE CA 95688-6908

16:34 17-AUG-99 AM29 20 Pgs

**FINAL ORDER OF CONDEMNATION**

# To all to whom these presents shall come. Greeting:

By virtue of the authority vested in me by the Archivist of the United States, I certify on his behalf, under the seal of the National Archives and Records Administration, that the attached reproduction(s) is (are) a correct copy of document(s) in his custody.

SIGNATURE <i>Gary C. Cramer</i>	
NAME <b>GARY C. CRAMER</b>	DATE <b>08-12-99</b>
TITLE <b>Coordinator, Records Center Operations</b>	
NAME AND ADDRESS OF DEPOSITORY <b>Office of Regional Records Services Pacific Region (San Francisco) 1001 Commodore Drive San Bruno, CA 94064-2350</b>	

4-18 GPO: 1999-0-000-0000

NA FORM 12840 (10-98)

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G. RICHARD BROWN, ESQ. (State Bar No. 050203)  
HARRIET A. STEINER, ESQ. (State Bar No. 109436)  
WILLIAM L. OWEN, ESQ. (State Bar No. 038143)  
McDONOUGH, HOLLAND & ALLEN  
A Professional Corporation  
555 Capitol Mall, Suite 950  
Sacramento, California 95814  
Telephone: (916) 444-3900  
Attorneys for Plaintiff City of Vacaville

**FILED**  
MAR 15 1991  
CLERK U. S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
BY \_\_\_\_\_  
DEPUTY CLERK

RECEIVED  
MAR 7 1991  
U.S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
BY \_\_\_\_\_  
DEPUTY CLERK

IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF CALIFORNIA

CITY OF VACAVILLE, )  
 )  
Plaintiff, )  
 )  
v. )  
 )  
WILLIAM A. LOZANO, et al., )  
 )  
Defendants. )

TJM  
NO. CIVS-89-1156 RAR-IFM  
FINAL ORDER OF CONDEMNATION

On February 6, 1991, this Court made and granted a Stipulated Judgment in Eminent Domain, entered on February 6, 1991, adjudging that plaintiff City of Vacaville ("City") is entitled to condemn, as prayed for in its complaint in eminent domain, against defendants William A. Lozano, Rodolfo B. Lozano, Carmen P. Lozano and Armasdo Lozano (hereinafter collectively referred to as "Lozanos") and all persons unknown ("Defendants") all right, title and interest in the real property described in Exhibit "A" to the complaint filed in the above-entitled action (the "subject property") and the real property described in Exhibit "A" to the Amendment to Complaint filed on January 14, 1991 (the "additional property"), on payment to Lozanos and others, as specified in the Stipulated Judgment, of the sum specified therein; and  
In accordance with said judgment, the City has paid to Lozanos the sum necessary to satisfy the judgment, less amounts owing by Lozanos with respect to the subject property and the

Produced Pursuant to Protective Order in Case No. 89-1156

1 additional property as set forth in the stipulated judgment, which amounts were paid directly to  
2 the remaining named defendants, and others, as follows:

3           A. Defendants County of Solano; State of California, Franchise Tax Board;  
4 Sacramento Valley Production Credit Association, a California corporation, formerly  
5 known as Woodland Production Credit Association; Karen (Lozano) Mertz; United States  
6 of America, on behalf of its agency, Internal Revenue Service; Clement A. Perrucci and  
7 Cal Growers, Inc., creditors of record in the above-entitled action have been paid all  
8 amounts owed them as evidenced by the accompanying Acknowledgments of Receipt of  
9 Funds in Satisfaction of Demand;

10           B. Frontier Fertilizer, Inc., a judgment creditor of Lozanos, has been paid all  
11 amounts owed it as evidenced by the accompanying Acknowledgment of Receipt of Funds  
12 in Satisfaction of Demand; and

13           C. The County of Solano has been paid all amounts owing for delinquent taxes  
14 on the subject property and the additional property;

15       **IT IS HEREBY ORDERED AND ADJUDGED** that fee title to the subject property as  
16 described in Exhibit "A" to the complaint, and fee title to the additional property as described in  
17 the Amendment to Complaint filed on January 14, 1991, is hereby condemned and appropriated  
18 for the public use of the City as specified in the Stipulated Judgment in Eminent Domain, and that  
19 the title thereto, on the date of recording a certified copy of this Final Order of Condemnation,  
20 shall vest in the City of Vacaville, a municipal corporation located in the County of Solano, State  
21 of California, free and clear of all claims, right, title, interest, or liens in, to, on, or against said  
22 property which Lozanos, the remaining named defendants, Frontier Fertilizer, Inc., and all  
23 persons unknown claiming an interest in the subject property and the additional property may  
24 have thereto or therein. The real property referred to by this decree, and the title to which shall  
25 vest in the City herein, is the real property more particularly described in Exhibit "A", which is  
26 attached hereto and, by this reference, made a part hereof.

27       **IT IS FURTHER ORDERED AND ADJUDGED** that the real property taxes attributable to  
28 the subject property (Exhibit "A", p. 1 of 3 and Exhibit "A", p. 2 of 3) shall be prorated and

1 cancelled as of July 29, 1988; and the real property taxes attributable to the additional property  
2 (Exhibit "A", p. 3 of 3) shall be prorated and cancelled as of January 3, 1991.

3 DATED: March 12, 1991

4   
5 United States District Judge

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# EXHIBIT A

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SOLANO, CITY OF UNINCORPORATED AREA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHEAST QUARTER (1/4) OF SECTION 30, TOWNSHIP 6 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

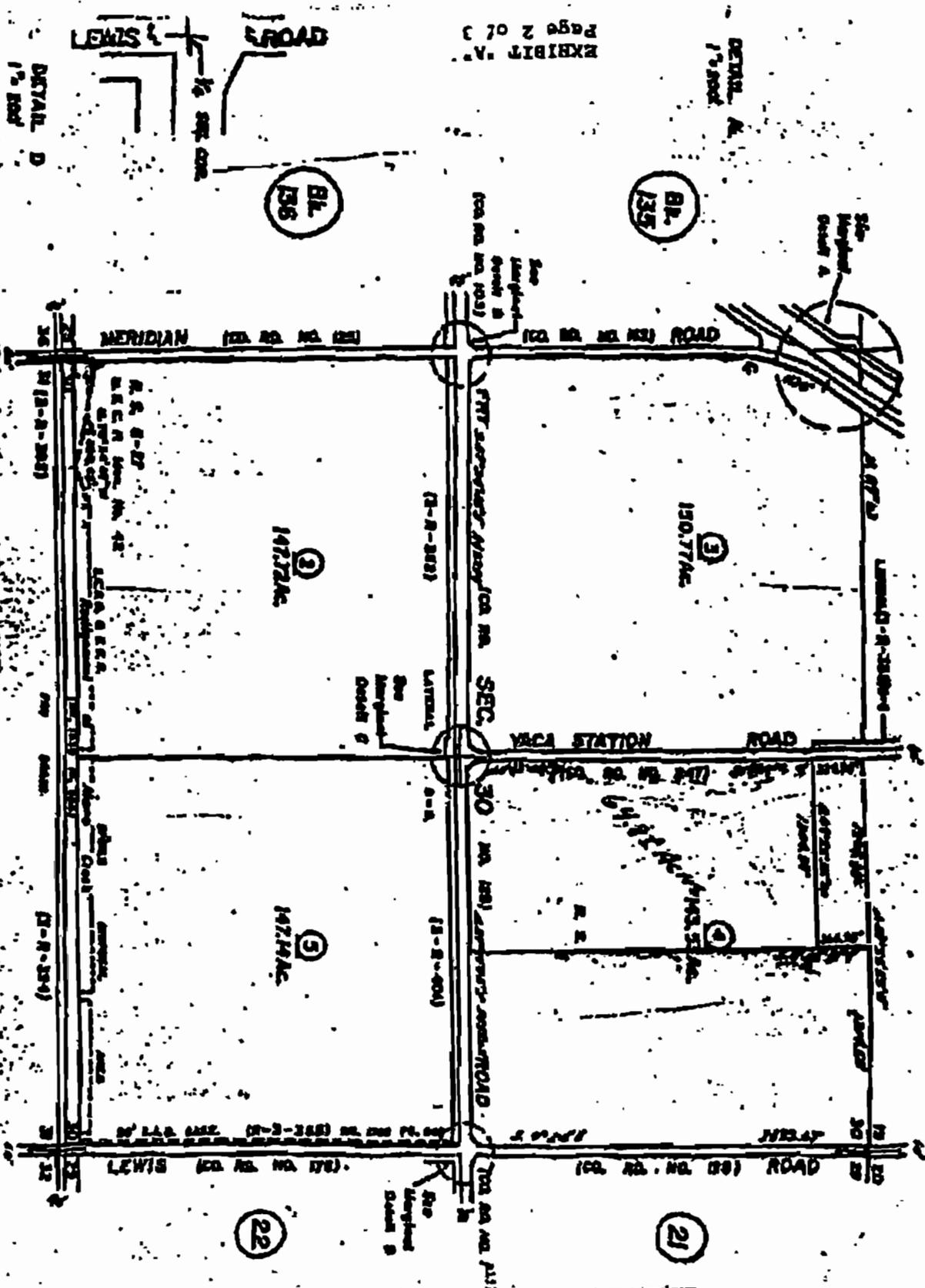
EXCEPTING THEREFROM THAT PORTION THEREOF LYING WITHIN THE PARCEL OF LAND DESCRIBED IN THE DEED FROM WILLIAM F. EVANIKOFF, ET UX, TO CITY OF VACAVILLE, DATED DECEMBER 26, 1958 AND RECORDED FEBRUARY 20, 1959 IN BOOK 882 OF OFFICIAL RECORDS, PAGE 396, INSTRUMENT NO. 3822, AS FOLLOWS:

COMMENCING AT AN IRON PIPE AT THE NORTH END OF A COURSE 87.62 FEET IN LENGTH AS SHOWN ON A MAP ENTITLED: "A MAP OF RECORD OF SURVEY IN THE VILLAGE OF ELMIRA, SECTION 19, OF TOWNSHIP 6 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE AND MERIDIAN; WHICH MAP WAS FILED WITH THE OFFICE OF THE RECORDER, COUNTY OF SOLANO, STATE OF CALIFORNIA, IN BOOK 4 OF SURVEYS ON PAGE 82. SAID PIPE BEING ON THE SOUTHERLY BANK OF ALAMO CREEK; THENCE NORTH 0° 47' WEST 13 FEET TO THE APPROXIMATE CENTERLINE OF ALAMO CREEK AND THE BEGINNING OF THIS DESCRIPTION; THENCE EASTERLY ALONG THE CENTERLINE OF ABOVE MENTIONED ALAMO CREEK AS FOLLOWS: NORTH 84° 01' 55" EAST 121.80 FEET; THENCE NORTH 85° 36' 37" EAST 149.78 FEET; THENCE SOUTH 86° 06' 28" EAST 134.34 FEET; THENCE SOUTH 83° 49' 14" EAST, 111.21 FEET; THENCE SOUTH 89° 39' 12" EAST 244.81 FEET; THENCE SOUTH 83° 19' 05" EAST 811.17 FEET; THENCE SOUTH 82° 33' 38" EAST 163.18 FEET; THENCE SOUTH 75° 34' 39" EAST 84.47 FEET; THENCE SOUTH 46° 43' 47" EAST 97.29 FEET TO A POINT WHERE THE SIXTEENTH SECTION LINE OF THE SOUTHEAST QUARTER OF AFOREMENTIONED SECTION 19, TOWNSHIP 6 NORTH, RANGE 1 EAST, INTERSECTS THE CENTERLINE OF ABOVE MENTIONED ALAMO CREEK; THENCE SOUTH 0° 47' EAST 799.28 FEET ALONG SAID SIXTEENTH SECTION LINE TO THE SECTION LINE BETWEEN SECTIONS 19 AND 30 OF THE ABOVE MENTIONED TOWNSHIP 6 NORTH, RANGE 1 EAST, THENCE SOUTH 0° 23' 51" EAST 324.98 FEET ALONG THE SIXTEENTH SECTION LINE OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 6 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE & MERIDIAN; THENCE SOUTH 89° 55' 55" WEST 1314.89 FEET TO THE QUARTER SECTION LINE OF THE ABOVE MENTIONED SECTION 30, SAID QUARTER SECTION LINE BEING ALSO THE CENTERLINE OF COUNTY ROAD NUMBER 247 AS SO DESIGNATED BY THE COUNTY SURVEYOR OF SOLANO COUNTY, THENCE NORTH 0° 23' 43" WEST 324.98 FEET ALONG SAID CENTERLINE OF ROAD 247 TO THE SECTION LINE BETWEEN SECTIONS 19 AND 30 OF AFOREMENTIONED TOWNSHIP 6 NORTH, RANGE 1 EAST; THENCE NORTH 0° 47' WEST 1019 FEET ALONG SAID AFOREMENTIONED CENTERLINE OF ROAD 247 TO THE TRUE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM THOSE PORTIONS THEREOF DESCRIBED IN THE DEED FROM DORIS A. EVANIKOFF, ET AL, TO THE COUNTY OF SOLANO, DATED JULY 22, 1971 AND RECORDED SEPTEMBER 8, 1971 IN BOOK 1708 OF OFFICIAL RECORDS, PAGE 398, INSTRUMENT NO. 18198, AND IN THE DEED FROM DORIS A. EVANIKOFF, ET AL TO COUNTY OF SOLANO, DATED FEBRUARY 23, 1972, RECORDED MARCH 22, 1972 IN BOOK 1746 OF OFFICIAL RECORDS, PAGE 81, INSTRUMENT NO. 6289.

ALSO EXCEPTING THEREFROM ALL THAT PORTION THEREOF DESCRIBED IN THE DEED TO THE COUNTY OF SOLANO, RECORDED APRIL 3, 1975.

EXHIBIT "A"  
Page 1 of 3



DETAIL A  
1/8\"/>

DETAIL D  
1/8\"/>

BL. 136

BL. 135

22

21

LEGAL DESCRIPTION OF PROPERTY TO BE ACQUIRED FROM  
WILLIAM A. LOZANO ET. AL. BY THE CITY OF VACAVILLE.

ALL THAT REAL PROPERTY SITUATE IN THE COUNTY OF SOLANO, STATE  
OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING A PORTION OF THE LANDS OF WILLIAM A. LOZANO ET. AL.,  
BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE EAST HALF (1/2) OF THE NORTHEAST QUARTER (1/4) OF SECTION  
30, TOWNSHIP 6 NORTH, RANGE 1 EAST, MOUNT DIABLO BASE AND  
MERIDIAN.

EXCEPTING THEREFROM THAT PORTION LYING WITHIN FRY ROAD  
(COUNTY ROAD NO. 128) AND LEWIS ROAD (COUNTY ROAD NO. 128)  
AS SAID ROADS EXISTED ON JANUARY 12, 1981.

CONTAINING 75.36 ACRES, MORE OR LESS

1 **CASE TITLE** CITY OF VACAVILLE v. WILLIAM A. LOZANO, etc., et al.

2 **COURT/CASE NO.:** United States District Court, Eastern District, No. CIVS-89-1156  
3 HAR-JFM

4  
5 **PROOF OF SERVICE**  
6 (Federal)

7 I am employed in the County of Sacramento; my business address is 535 Capitol Mall,  
8 Suite 930, Sacramento, California. I am over the age of 18 years and not a party to the foregoing  
9 action.

10 On March 6, 1991, I served the following document(s):

11 **FINAL ORDER OF CONDEMNATION**

12  
13 on all parties in said action by placing a true copy thereof enclosed in a sealed envelope, with  
14 postage thereon fully prepaid, in the United States post office mailbox at Sacramento, California,  
15 addressed as set forth as follows:

16 **SEE ATTACHMENT A**

17 I declare under penalty of perjury that the foregoing is true and correct. Executed on  
18 March 6, 1991, at Sacramento, California.

19  
20   
21 Margery M. Norcross

ATTACHMENT A

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James T. Freeman, Esq.  
Diepenbrock, Wulff, Plant & Hamogian  
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Sacramento, CA 95812-3034

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James B. Conco  
Supervising Deputy Attorney General  
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Sacramento, CA 94244-2550

Michael E. Barber, Esq.  
Greve, Clifford, Diepenbrock & Paris  
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Post Office Box 2469  
Sacramento, CA 95812-2469

Peter Flaxman, Esq.  
Sileo & Flaxman  
591 Redwood Highway, Suite 2375  
Mill Valley, CA 94941

Mark Atkins, Esq.  
General Counsel  
Sacramento Valley Farm Credit Association  
283 Main Street  
Post Office Box 269  
Woodland, CA 95695

Richard Thornburgh  
United States Attorney  
John F. Gista  
Assistant United States Attorney  
3305 Federal Building  
650 Capitol Mall  
Sacramento, CA 95814

Clerk of Board of Supervisors  
County of Solano  
580 Texas Street  
Fairfield, CA 94533

Howard S. Nevins, Esq.  
Delbert W. Oros, Esq.  
Hefner, Stark & Marois  
2710 Gateway Oaks Drive  
Suite 300 South  
Sacramento, CA 95833

COURTESY COPIES TO:

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Berliner, Cohen & Biagini  
Ten Alameda Boulevard, 11th Floor  
San Jose, CA 95113-2233

Christopher J. Konwinski, Esq.  
Culfee & Young  
611 North St., P.O. Box 2143  
Woodland, CA 95695



United States District Court  
for the  
Eastern District of California  
March 15, 1991

gm

\* \* CERTIFICATE OF SERVICE \* \*

2:89-cv-01156

Yacoville

Losano

I, the undersigned, hereby certify that I am an employee in the Office of the Clerk, U.S. District Court, Eastern District of California.

That on March 15, 1991, I SERVED a true and correct copy(ies) of the attached, by placing said copy(ies) in a postage paid envelope addressed to the person(s) hereinafter listed, by depositing said envelope in the U.S. Mail, or by placing said copy(ies) into an inter-office delivery receptacle located in the Clerk's office.

James T Freeman  
Diepenbrock Wulff Plant and Hannegan  
300 Capitol Mall  
Suite 1700  
Sacramento, CA 95814-3034

TJM

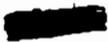
DAG  
Attorney General's Office of the State of California  
Deputy Attorney General  
1515 K Street  
Suite 511  
P O Box 944255  
Sacramento, CA 94244-2550

Delbert W Oros  
Hafner, Stark & Marois  
2710 Gateway Oaks Drive  
300 South  
Sacramento, CA 95833-3501

Peter Flaxman  
591 Redwood Highway  
Mill Valley, CA 94941

Jack L. Wagner, Clerk

By: *Heidi Meyer*  
Deputy Clerk



1 G. RICHARD BROWN, ESQ. (State Bar No. 050203)  
2 HARRIET A. STEINER, ESQ. (State Bar No. 109436)  
3 WILLIAM L. OWEN, ESQ. (State Bar No. 038143)  
4 McDONOUGH, HOLLAND & ALLEN  
5 A Professional Corporation  
6 555 Capitol Mall, Suite 950  
7 Sacramento, California 95814  
8 Telephone: (916) 444-3900

9 Attorney for Plaintiff City of Vacaville

**FILED**

**FEB - 6 1991**

CLERK, U. S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
BY \_\_\_\_\_ DEPUTY CLERK

**RECORDED**  
**FEB 06 1991**  
U. S. DISTRICT COURT  
EASTERN DISTRICT OF CALIFORNIA  
DEPUTY CLERK

10 IN THE UNITED STATES DISTRICT COURT

11 FOR THE EASTERN DISTRICT OF CALIFORNIA

12 CITY OF VACAVILLE, )  
13 Plaintiff, )  
14 v. )  
15 WILLIAM A. LOZANO, et al., )  
16 Defendants. )

NO. CIVS-89-1156 RAR-JFM

STIPULATED JUDGMENT  
IN EMINENT DOMAIN

17 This stipulated judgment is made with reference to the following facts.

- 18 1. Plaintiff City of Vacaville ("City") is a public entity with the power to acquire real
- 19 property in eminent domain.
- 20 2. Defendants William A. Lozano, Rodolfo B. Lozano, Carmen P. Lozano and
- 21 Armando Lozano (collectively referred to herein as "Lozanos") are the owners of the real
- 22 property described in the Resolution of Necessity which is attached to the complaint as Exhibit A
- 23 (the subject property).
- 24 3. Lozanos are also the owners of the real property described in the amendment to
- 25 complaint filed in the above-entitled court on January 14, 1991 (the "additional property").
- 26 4. Defendants County of Solano; State of California, Franchise Tax Board;
- 27 Sacramento Valley Production Credit Association, a California corporation, formerly known as

28 ///

1 Woodland Production Credit Association; Karen (Lozano) Mertz; United States of America, on  
2 behalf of its agency, Internal Revenue Service; and Clement A. Ferrucci are creditors of record  
3 on the subject property and/or the additional property. Defendants County of Solano and  
4 Clement A. Ferrucci have not filed a responsive pleading to the first amended complaint.

5 5. City obtained an order for immediate possession of the subject property. In  
6 accordance with the order, the City was authorized to take possession of the subject property on  
7 July 29, 1988. The settlement agreement provides that the City is authorized to take possession  
8 of the additional property on January 3, 1991, the date of deposit of the settlement amount into  
9 Court.

10 6. On August 25, 1989, the above-entitled action was removed by defendant United  
11 States of America from the Solano County Superior Court to this Court.

12 7. On June 27, 1988, the City deposited the sum of \$107,000.00 with the Solano  
13 County Superior Court as just compensation for the subject property. On September 12, 1989,  
14 the deposit was transferred to the United States District Court, Eastern District of California. On  
15 November 14, 1989, \$96,299.40 was withdrawn by defendants Kathryn Jacobson, Vera  
16 Milburn, Catherine Evankoff and John Warda pursuant to order of the court. The amount  
17 withdrawn fully satisfies the lien of said defendants relative to the subject property.

18 8. Defendants First American Title Insurance Company, a California corporation, and  
19 Floor Title Insurance Company of California, a California corporation, disclaimed any interest in  
20 the subject property and any compensation which may be awarded in the eminent domain  
21 proceeding, via disclaimers filed with the Solano County Superior Court on August 22, 1989,  
22 and August 24, 1989, respectively.

23 9. On December 18, 1990, \$10,843.86, being the total amount remaining on deposit,  
24 less costs, was withdrawn by defendant Sacramento Valley Production Credit Association to  
25 partially satisfy the amount owing it due to liens on the subject property and the additional  
26 property.

27 10. The public interest and necessity require the acquisition of the subject property and  
28 the additional property. The acquisition is necessary for the expansion of wastewater treatment

1 facilities in Vacaville, California, and is compatible with the greatest public good and the least  
2 private injury.

3 11. The City and Lozano entered into a settlement agreement in December 1990. The  
4 settlement agreement provided that the City will pay the Lozanos the sum of \$7,100 per acre for  
5 the subject property, for a total of \$475,558.00, plus interest as allowed by law; and \$7,475.00  
6 per acre for the additional property, plus a the sum of \$25,000, for a total of \$597,286.00.

7 12. On March 6, 1989, Lozanos filed a complaint in inverse condemnation and for  
8 damages (action no. 103797, Solano County Superior Court), alleging damages to property  
9 owned by them caused by ground water flow and/or seepage associated with the ongoing  
10 activities of the City in connection with the wastewater treatment facilities.

11 IT IS THEREFORE STIPULATED AND AGREED BY AND BETWEEN THE PARTIES  
12 THAT:

13 13. The City shall take judgment against Lozanos condemning all right, title and interest  
14 of Lozanos and all other persons to the subject property and the additional property for the  
15 purpose of wastewater treatment facility expansion.

16 14. On or before January 3, 1991, the City shall deposit in the McDonough,  
17 Holland & Allen trust account the sum of \$1,063,413.77, which sum is the total amount due  
18 Lozanos for the acquisition of the subject property and the additional property, computed as  
19 follows:

20	Settlement - condemned property:	\$475,558.00
21	Less: Withdrawal - 11/14/89:	(96,299.40)
22	Less: Withdrawal - 12/18/90:	(10,843.86)
23	Plus: Accrued interest on condemned property:	97,713.03
24	Plus: Additional acquisition:	572,286.00
	Plus: Lump sum payment - additional property:	<u>25,000.00</u>
	<b>TOTAL:</b>	<b><u>\$1,063,413.77</u></b>

25 15. On or before January 15, 1991, the City shall give notice of the deposit to all  
26 lienholders of record, including those lienholders who have not filed responsive pleadings, as set  
27 forth in paragraph 4 above, but excepting those lienholders who have previously filed a demand  
28 for payment of funds. The lienholders shall be notified that they may appear before the Court on

1 or before February 15, 1991, to apply for orders directing the disbursement of funds to them as  
2 their interests are determined by the Court. In the event the demands exceed the amount on  
3 deposit, the Court shall, upon expiration of the time to make a demand, establish the priority of  
4 liens and order the payment of funds. No lienholders shall be paid before February 15, 1991,  
5 without prior order of the Court.

6 16. Upon disbursement of the proceeds of the deposit to the lienholders and to the  
7 Lozanos (in the event there are proceeds exceeding the amount of the outstanding liens), the  
8 Lozanos and the lienholders shall execute satisfactions of judgment.

9 17. Upon the filing of satisfactions of judgment, the City may have, without further  
10 notice to Lozanos, a final order of condemnation with respect to the subject property and the  
11 additional property.

12 18. Lozanos hereby waive all claims and compensation relating to action no. 103797,  
13 Solano County Superior Court. Upon the filing of the stipulated judgment in eminent domain,  
14 the Lozanos shall dismiss action 103797, in its entirety, with prejudice, subject to the terms of  
15 the settlement agreement entered into between the City and Lozanos.

16 19. Lozanos shall be liable for all property taxes owing on the subject property and the  
17 additional property as of the dates of apportionment established in paragraph 5 above. The City  
18 shall pay to the Solano County Tax Collector the sum of \$18,114.14 on behalf of the Lozanos on  
19 or before January 31, 1991, from the funds held in the McDonough, Holland & Allen trust  
20 account. Lozanos shall be entitled to seek reimbursement for any taxes erroneously collected  
21 pursuant to the provisions of California Code of Civil Procedure section 1268.440.

22 20. The City will pay from the funds held in trust in the McDonough, Holland & Allen  
23 trust account on behalf of the Lozanos the delinquent unsecured personal property tax in the  
24 approximate amount of \$81.56 on or before January 31, 1991.

25 21. Lozanos shall be entitled to any funds remaining on deposit upon proof that all  
26 outstanding taxes on the subject property and the additional property have been paid to the date of  
27 apportionment.

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22. Lozanos hereby waive:

- a. Any and all defenses;
- b. Any additional compensation;
- c. Notice of entry of judgment; and
- d. The right to appeal.

6. Each party will bear its own costs, including attorneys' fees.

DATED: 2/6, 1991.

McDONOUGH, HOLLAND & ALLEN  
A Professional Corporation

By: Haynet Steiner  
for G. Richard Brown

Attorneys for Plaintiff City of Vacaville

DATED: 2/6, 1991.

DIEPHENBROCK, WULFF, PLANT  
& HANNEGAN

By: James T. Freeman  
James T. Freeman

Attorneys for Defendants William A. Lozano,  
Rodolfo B. Lozano, Carmen P. Lozano and  
Armando Lozano

**JUDGMENT**

Based on the foregoing stipulation, it is hereby

ORDERED, ADJUDGED AND DECREED as follows:

1. The City of Vacaville shall take judgment against defendants William A. Lozano, Rodolfo B. Lozano, Carmen P. Lozano and Armando Lozano (collectively referred to herein as "Lozanos") condemning all right, title and interest of Lozanos in the subject property described in the resolution attached as Exhibit A to the complaint on file herein, and the additional property as described in the amendment to the complaint filed January 14, 1991.

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*W? 2/6/91*

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2. Defendants ~~Equimaxis~~ First American Title Insurance Company, a California corporation, and Tycor Title Insurance Company of California, a California corporation, having disclaimed any interest in the property at issue in the lawsuit and in the compensation awarded, shall be dismissed from the action and shall take nothing by way of the first amended complaint.

3. Defendants Kathryn Jacobson, Vera Milburn, Catherine Evankoff and John Wards, having withdrawn an amount sufficient to satisfy all outstanding obligations of Lozano, shall be dismissed from the action and shall take nothing by way of the first amended complaint.

4. Upon disbursement of the proceeds to the lienholders and to the Lozano (to the extent there are proceeds exceeding the amount of outstanding liens), the City shall be entitled to a final order of condemnation as provided by Code of Civil Procedure section 1268.030 with respect to the subject property and the additional property.

5. The real property taxes attributable to the subject property shall be prorated and cancelled as of July 29, 1988. The real property taxes attributable to the additional property shall be prorated and cancelled as of January 3, 1991.

DATED: *Feb. 6, 1991*

*Frank Noel Davis*  
United States District Court Judge

1 CASE TITLE CITY OF YACAVILLE v. WILLIAM A. LOZANO, et al.  
2 COURT/CASE NO: United States District Court, Eastern District, No. CIVS-89-1156  
3 RAR-JFM  
4

5 **PROOF OF SERVICE**  
6 (Federal)

7 I am employed in the County of Sacramento; my business address is 555 Capitol Mall,  
8 Suite 950, Sacramento, California. I am over the age of 18 years and not a party to the foregoing  
9 action.

10 On February 6, 1991, I served the following document(s):

11 **STIPULATED JUDGMENT IN EMINENT DOMAIN**

12 on all parties in said action by placing a true copy thereof enclosed in a sealed envelope, with  
13 postage thereon fully prepaid, in the United States post office mailbox at Sacramento, California,  
14 addressed as set forth as follows:

15 **SEE ATTACHMENT A**

16 I declare under penalty of perjury that the foregoing is true and correct. Executed on  
17 February 6, 1991, at Sacramento, California.

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19   
20 Margaret M. Narcross  
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ATTACHMENT A

1

2 James T. Freeman, Esq.  
3 Diepenbrock, Wolff, Plant & Hannegan  
4 300 Capitol Mall, Suite 1700  
Post Office Box 3034  
Sacramento, CA 95812-3034

5 Dan Lundgren  
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Sacramento, CA 94244-2550

9 Michael E. Barber, Esq.  
10 Creve, Clifford, Diepenbrock & Paros  
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12 Peter Flaxman, Esq.  
13 Silen & Flaxman  
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14 Mark Atkins, Esq.  
15 General Counsel  
16 Sacramento Valley Farm Credit Association  
283 Main Street  
17 Post Office Box 269  
Woodland, CA 95695

18 Richard Thornburgh  
19 United States Attorney  
John F. Gista  
20 Assistant United States Attorney  
3305 Federal Building  
21 650 Capitol Mall  
Sacramento, CA 95814

22 Clerk of Board of Supervisors  
23 County of Solano  
580 Texas Street  
Fairfield, CA 94533

24 Howard S. Novint, Esq.  
25 Delbert W. Oros, Esq.  
26 Heiner, Stark & Marois  
27 2710 Gateway Oaks Drive  
Suite 300 South  
Sacramento, CA 95833

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