

# Hazardous Materials Evaluation

*For:*

**99-Houghton, LLC Property  
A Portion of Section 7 in Township 31 South, Range 28 East,  
Mount Diablo Baseline and Meridian**

**County of Kern, State of California**

*Prepared For:*

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**Project No. 06-012**

**November 2008**

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## **1.0 Introduction**

McIntosh & Associates, Inc. has conducted a Hazardous Materials Evaluation of the 99-Houghton, LLC agricultural property, which consists of approximately 306 acres within a portion of Section 7, Township 31 South, Range 28 East, M. D. B. & M. The project site is shown on the Vicinity and Location Maps (Appendix A, Figure 1).

### **1.1 Purpose**

The purpose of this Hazardous Materials Evaluation is to review the existing conditions, analyze potential environmental impacts, and suggest feasible mitigation measures to reduce potentially significant effects to the project site, to impacts that are less than significant.

The California State Legislature enacted the California Environmental Quality Act (CEQA) in 1970 that requires public agencies consider the environmental implications of proposed projects and disclose these findings to the public. CEQA mandates that projects with adverse effects on the environment must implement feasible mitigation. The County of Kern will have primary responsibility for implementing CEQA and making sure that its mandates are followed for this project.

### **1.2 Regulatory Setting**

The management of hazardous materials and waste within the State of California falls within the jurisdiction of the California Environmental Protection Agency (CAL-EPA) and the Department of Toxic Substances Control (DTSC). The DTSC regulates hazardous waste, cleanups of existing contamination, emergency planning, and seeks ways to reduce the hazardous waste produced in California.

The term “hazardous material” refers to both hazardous substances and hazardous waste. A material is defined as “hazardous” if it appears on a list of hazardous materials prepared by a Federal, State, or local regulatory agency, or if it possesses characteristics defined as “hazardous” by such an agency.

A “hazardous waste” is a solid waste that exhibits the toxic or hazardous characteristics listed in Table 1-1.

**Table 1-1**

<b>EPA-Classified Hazardous Materials</b>	
<b>Possesses one or more of the following characteristics:</b>	
<b>Characteristic</b>	<b>Types of Materials</b>
Ignitability	Oxidizers, compressed gasses, flammable liquids/solids
Corrosivity	Strong Acids & Bases
Reactivity	Explosives or compounds that generate toxic fumes when exposed to air or water
Toxicity	Classified by EPA as capable of inducing systematic damage to humans or animals



## **2.0 Project Setting**

This section presents site information gathered from record reviews, site reconnaissance and interviews. It has been organized to provide the location and the legal description of the project site, the geographical characteristics of the site and adjacent properties, and the current and past uses of the project site and adjacent properties.

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

The project site is located south of the Bakersfield city limit and is bordered on the west by State Highway 99; on the north by DiGiorgio Road alignment; on the east by South Union Avenue; and on the south by Houghton Road. The project site comprises nearly 307 acres in portions of Section 7, Township 31 South, Range 28 East, Mount Diablo Baseline and Meridian. Refer to the Assessor's Parcel Map (Figure 2), two Zoning Maps (Figure 3), and the Metropolitan Bakersfield General Plan (Figure 4) within Appendix A.

### **2.2 Project Description**

The project site is currently designated "R-IA" (Resource-Intensive Agriculture) and is zoned "A" (Exclusive Agriculture District). The project proposes concurrent zone changes to "M-1" (Light Industrial District); "M-2" (Medium Industrial District); "C-2" (General Commercial District), and "CH" (Highway Commercial District) to allow for a warehouse, distribution center, general commercial businesses, and highway commercial businesses.

## **2.3 Current and Historical Uses**

### **2.3.1 Present and Previous Uses of the Project Site**

The project site has remained undeveloped and has been utilized for agriculture purposes; a shop building is located in the easternmost portion of the project site near South Union Avenue. In 1934, the Big McKittrick Oil Company drilled exploratory well "Sea Cliff-Houghton" 1, east of the present location of State Highway 99. The well failed to produce oil or gas and was subsequently abandoned.

### **2.3.2 Present and Past Uses of Adjacent Properties**

The adjacent properties surrounding most of the project site properties have been developed. As listed in Table 2-1, properties located adjacent to the project site have the following current zoning and land use designations, respectively.

**Table 2-1  
Existing Land Use on Adjacent Properties**

Location	City Zoning	Land Use	APN	Acres	Description/Use
North in Sec. 6	RIA	Agricultural	185-020-05	151.39	Agriculture: alfalfa
East in Sec. 7	RIA	Agricultural	185-150-03 185-150-04	39.13 76.21	Agriculture: plowed
East in Sec. 7	RIA	Agricultural	185-190-01 185-190-02 185-190-03 185-190-05	6.66 0.90 0.45 11.47	Rural residence: 12063 South Union Avenue Mobilehome: 12043 South Union Avenue Mobilehome: 12051 South Union Avenue Rural residence with corrals and equestrian facilities: 12007 South Union Avenue
East in Sec. 7	RIA	Agricultural	185-160-04 185-160-05	30.11 8.52	Agriculture: alfalfa
East in Sec. 8	RIA	Agricultural	185-180-02 185-180-21 185-180-22 185-180-23	39.13 1.90 1.90 35.54	Farms east of South Union Avenue and south of Lamb Avenue.
South in Sec. 18	HC	Fallow land	185-381-01	15.27	Undeveloped
South in Sec. 18	RR	Agricultural	185-381-29	55.76	Undeveloped
West in Sec. 7	RIA	Agricultural and fallow land	185-140-05	132.60	Undeveloped land west of State Highway 99; the Kern Island Canal parallels South H Street

RIA Resource Intensive Agriculture, minimum 20-acre parcel size

HC Highway Commercial

## 2.4 Environmental and Physical Setting

The project site is located in the southern San Joaquin Valley where it is surrounded by three mountain ranges. The Temblor range (a segment of the Coastal Range) is to the west, the Tehachapi range is to the south, and the Sierra Nevada range is to the east. The Kern River flows southwesterly through the valley. Geographical and geological data for the project site are presented in Table 2-2.

**Table 2-2**  
**Summary of Geographical and Geological Data**

Topographic Map (Figure 3)	Sources: U.S. Geological Survey, 7.5-Minute Topographic Quadrangle Maps; Gosford and Conner, California; 1954, photorevised 1968, photoinspected 1973.
Topographic Map Location	Portions of Section 7 in Township 31 South, Range 28 East.
Topography	Relatively level, sloping southwesterly at an average rate of approximately 7.5 feet per mile. Average elevation: 333 feet above mean sea level.
General Location	Between South Union Avenue on the east and State Highway 99 on the west, and between DiGiorgio Road alignment on the north and Houghton Road on the south.
Geological Land Surface and Age	Holocene (Recent) alluvial fan deposits in the Great Valley
Soil Type	Kimberlina fine sandy loam
Approximate Depth to Groundwater	Estimated at 100-105 feet below ground surface (bgs) *
Groundwater Flow Direction	Southwesterly
Existing Use	Agricultural; the project site was observed and photographed as primarily cultivated, harvested, or ploughed alfalfa on July 1, 2008.

\* Static water level (SWL) in offsite well no. 31S28E-6J1 was 98 feet bgs when sounded on February 7, 2008.

### 2.4.1 Demographics

As of 2008, the population was estimated at 328,692 within the city limits, making it the 11th largest city in California and the 58th largest city in the United States, according to U. S. Census Bureau estimates. The Bakersfield Metropolitan Statistical Area has a population of 780,711, making it the 65th largest metropolitan area in the country. The city's economy relies on agriculture, petroleum extraction and refining, and manufacturing. Bakersfield is also the 11th fastest growing city in the United States with a population of over 100,000, and the fastest growing city in the United States with a population of over 250,000.

### 2.4.2 Geology and Soils

According to the California Division of Mines and Geology's Geologic Map of California – Bakersfield Sheet, the project site rests on alluvial fan deposits of Holocene (Recent) age, having been deposited on this part of the valley floor during the last 11,000 years. Near-surface soils within the zone of influence of future developments consist of interbedded layers of sands, silts, and clays deposited from streams emerging from the highlands surrounding the Great Valley. These unconsolidated sediments overlie approximately 12,000 feet of Tertiary continental and marine formations which rest nonconformably on the Mesozoic crystalline basement complex.

The soils mapped on the project site by the U. S. Soil Conservation Service are listed in Table 2-3.

**Table 2-3**

**U.S. Soil Conservation Service Survey Data**

<b>Alphabetical Symbol</b>	<b>Numerical Symbol</b>	<b>Soil Type</b>
CaA	123	Bakersfield fine sandy loam
KsA	101	Cajon sandy loam

### **2.4.3 Groundwater**

The most recent data provided by the California Department of Water Resources indicates that the unconfined water table is approximately 100 to 105 feet below ground surface (bgs) beneath the project site. On February 7, 2008, the static water SWL in well no. 31S28E-6J1 was sounded at 98 feet bgs. This well is situated approximately 0.6-mile northeast of the project site in the NE/4 of the SE/4 of Section 6. The regional dip (flow gradient) is southwesterly.

## **2.5 Climate**

**Wind Speed:** During the summer, wind usually originates in the north end of the San Joaquin Valley and flows in a south-southeasterly direction in the valley, through the Tehachapi pass, and into the Southeast Desert Air Basin. Occasionally during the winter, winds will originate from the south end of the valley and flow in a north-northwesterly direction.

**Temperature:** The San Joaquin Valley Air Basin has an “inland Mediterranean”, semiarid climate characterized by warm, dry summers and cooler winters. Summer temperatures average in the low 90s in the north and high 90s in the south. Daily summer temperatures can vary as much as 30° F. Winters in the San Joaquin Valley are mild and humid. The Sierra Nevada Range to the east prevents cold, continental air masses from influencing the valley. Average winter high temperatures are in the 50s; however, on days with persistent fog and low cloudiness, highs in the 30s and 40s can occur. Winter average daily low temperatures are around 45° F; low temperatures occasionally fall below freezing. Low visibility, patchy to widespread tule fog is common in the San Joaquin Valley from November through February.

**Precipitation:** Rainfall currently averages 6.49 inches per year at the Meadows Field meteorological center in Bakersfield.

### **3.0 Records Review**

A review of regulatory agency records was conducted for the project site and a surrounding 1-mile radius. The following documents have been reviewed in this section: U.S. Environmental Protection Agency (EPA) Toxic Release Inventory (TRI) records; California Air Resources Board (CARB) Community Health Air Pollution Information System (CHAPIS) records; Environmental Data Resources, Inc. (EDR) report; California Division of Oil, Gas, and Geothermal Resources (DOGGR) records; Kern County Environmental Health Services Department (KCEHSD) records; and Kern County Agricultural Commissioner (KCAC) records.

#### **3.1 EPA Toxics Release Inventory**

The project site was not identified on the 2006 Toxics Release Inventory (TRI) Explorer Chemical Releases Report for Bakersfield area facilities, and no other sites were identified within a one-mile radius of the project site. The TRI Explorer report for all regulated industries in Kern County indicated that 1,591,813 pounds of various chemicals and hazardous wastes were disposed to onsite Class I Underground Injection Wells, RCRA Subtitle C Landfills, and other unspecified landfills during calendar year 2006. The TRI Explorer report also indicated that 104,181 pounds of point-source air emissions and 61,211 pounds of fugitive air emissions were released into the atmosphere in 2006. This data was released by the EPA to the public on February 21, 2008.

#### **3.2 California Air Resources Board**

Toxic air pollutants are chemicals that have the potential to cause adverse health effects, such as cancer, birth defects, and organ damage. Toxics emission inventory data included in the online CHAPIS records are listed from the 2001 database year of the California Emissions Inventory Development and Reporting System (CEIDARS) emission inventory and reflect the most current data available. The project site was not identified in the CARB CHAPIS Internet website, and no offsite facilities were identified within one mile of the project site.

#### **3.3 Environmental Data Resources Report**

McIntosh & Associates ordered and received Environmental Data Resources' (EDR) Map Radius report dated July 15, 2008; refer to Appendix B. EDR conducted a records search of available environmental databases for the project site and an approximate one-mile radius search area. The request included: 1) a search of Federal, State, and local agencies environmental records, and 2) a search for information about the physical setting of the site and its surroundings.

The search of Federal, State, and local agencies environmental records found no records for the project site, but did find records for the following State and local databases:

- One Solid Waste/Landfill-listed facility, Lamb Chops, is located within one-half to one mile of the project site at 12336 South Union Avenue. Its agricultural composting operation was listed at the address of 300 Buena Vista Road. The permitted manure

throughput for the composting facility was 1,000 cubic yards per day, and its permitted capacity was 2,500 cubic yards per day. The Lamb Chops composting facility was closed on March 31, 1999.

- One Cortese-listed facility, Young's Commercial Transfer (YCT), was located within one-half to one mile of the project site at 300 Buena Vista Road.. The CORTESE database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic materials identified through the abandoned site assessment program, sites with USTs having a reportable release, and all solid waste sites from which there is known migration. No details were listed by Cortese for YCT, and it is not considered a direct or indirect threat to the project site.
- YCT was listed as a LUST-database site. The LUST database contains reported leaking UST incidents that originate within the State Water Resources Control Board's Hazardous Substance Storage Container Database. YCT had operated two diesel USTs that had leaked into soil only. The case was opened by the local agency, Kern County Environmental Health Services Department (KCEHSD), on March 4, 1992, and the last reporting date was October 3, 1994; the case was closed.
- YCT was listed as a Historical UST (HIST UST) site, which contains listings from the State Water Resources Control Board. The diesel USTs that were removed from the former YCT facility in 1992 had been installed in 1972 and 1973, respectively.
- Two State Facility Inventory Database (CA FID UST) sites are located within one-half to one mile of the project site. One of these sites was the former YCT facility. The second site was Limi Brothers Farm shop facility located at 11437 South Union Avenue; no further details were provided.
- YCT is also listed as a Statewide Environmental Evaluation and Planning System (SWEEPS) UST site. Two diesel USTs with capacities of 10,000 gallons each were listed. SWEEPS is no longer maintained or updated by the State Water Resources Control Board.
- No orphan sites were identified less than one mile from the project site. The nearest sites are located at the junction of Taft Highway (State Highway 118) and State Highway 99, approximately 1 $\frac{1}{8}$  to 1 $\frac{1}{4}$  miles to the north-northwest. None of these offsite fueling stations/minimarts are situated upgradient of the project site, and they present no impacts to the project site. The following addresses were listed for these sites:

Taft Highway Chevron; S&W Truck Stop.....	1999 Taft Highway
ARCO No. 81774/JAI Minimart.....	2051 Taft Highway
Gastore.....	2100 Taft Highway
Johnny Quik No. 143.....	2126 Taft Highway
Mikuls Truck Terminal.....	2210 Taft Highway

EDR *Geocheck* provides information regarding the physical setting of the project site and its surroundings, including: geologic, soil, topographic, hydrogeologic, and water well data. The physical setting of the project site is discussed in Section 2.4. *Geocheck* found the west irrigation well, the northwest irrigation well, and one abandoned oil well on the project site. The irrigation wells were listed by their U. S. Geological Survey well numbers. The west onsite irrigation well was correctly identified as well no. 31S28E-7P1, and the northwest onsite water well was correctly identified as well no. 31S28E-7D1. The total depths for both wells were not reported. No information was listed for the abandoned oil well (refer to the next section for information regarding that well).

### 3.4 California Division of Oil, Gas, and Geothermal Resources

Petroleum and associated natural gas are the primary mineral resources historically and currently under development in the vicinity of the project site. McIntosh & Associates reviewed DOGGR Wildcat Map 4-2 and obtained the DOGGR file for one exploratory oil well that was drilled near the north boundary of the project site; refer to the Site Plan (Figure 6). The file was obtained from the DOGGR office in Bakersfield, California. The DOGGR file for exploratory well “Sea Cliff-Houghton” 1, drilled by the Big McKittrick Oil Company of California in 1934-35, is attached as Appendix C. General well data for the well are summarized in Table 3-1.

**Table 3-1**  
**Exploratory Oil Well Drilling and Abandonment Data**

Operator of Record and Well Number	Location	Drilling Period	Total Depth (Feet)	Drilling Method; Oil or Gas Shows	Date Abandoned
Big McKittrick Oil Co. “Sea Cliff-Houghton” 1	340' S & 3630' W from the NE corner of Sec 7	11-25-1934 to 6-5-1935	6,756	Rotary rig; no oil shows were reported; one gas show was reported from depth interval 2077 to 2079 feet	10-11-1935

Onsite dry hole “Sea Cliff-Houghton” 1 is not considered likely to pose current recognizable environmental risks to the project site.

As defined by the January 15, 1989 American Petroleum Institute (API) *Guidance Document, Onshore Solid Waste Management in Exploration and Production Operations*, oil well drilling mud is “the liquid circulated through the wellbore during rotary drilling and workover operations, its function is to bring cuttings to the surface by cooling and lubricating the bit and drill stem, protect against blowouts” and may be mixed with “fresh water, diesel oil, or crude oil. Drilling muds are primarily water-based mixtures of clay and inert weighting materials with special additives mixed in low concentrations.” As noted in the API *Guidance Document*, in accordance with the U.S. Environmental Protection Agency (USEPA), oil-based drilling muds may contain additives that include petroleum hydrocarbon constituents,

polynuclear aromatics, and heavy metals, specifically chromium. The USEPA requires that the use of oil-based drilling muds incorporate the following parameters: shall be utilized minimally and only in necessary applications, especially where use may impact shallow groundwater; shall be stored temporarily in lined waste pits during drilling operations; and shall be recovered and transported to a recycling or refining facility for proper disposal or reuse.

McIntosh and Associates' research indicates that the use of oil-based drilling muds, used specifically to drill deep wells in sedimentary rock which have undergone significant lithification, remains a common practice given its superior performance relative to water-based muds. In 1980, under the direction of the USEPA, the California Waste Management Board, the California Department of Health Services (CDHS), and the State Water Resources Control Board entered into an agreement requiring a permit for the use and disposal of oil-based drilling muds and related waste. Consequently, drilling mud additives in use subsequent to 1980 are not associated with hazardous materials and are generally exempt from permit requirements.

During McIntosh and Associates' July 1, 2008 site reconnaissance, no surface indications were observed of the drilling mud pit associated with "Sea Cliff-Houghton" 1. Drilling mud information is generally provided on the headers of electric logs; however, openhole geophysical electric logs did not come into use until 1937. Because the well was filled only with drilling mud prior to abandonment in 1935, the DOGGR will require that the well be reabandoned to current standards prior to grading and development of the project site.

### **3.5 Kern County Environmental Health Services Department**

On July 7, 2008, the KCEHSD was contacted regarding potential records associated with ASTs, USTs, hazardous materials business plans (HMBPs), or hazardous materials incident reports (HMIRs) for the project site and local sites proximal to the project site. No HMBPs were on file with the KCEHSD for the project site; however, one soil remediation report was reviewed, and summarized. One HMBP was on file for Higgins Auto Wrecking, located at 12825 South Union Avenue, east of and adjacent to the south portion of the project site. Two additional underground storage tank (UST) removal files were reviewed and summarized for nearby properties.

#### **3.5.1 99-Houghton Project Site**

A Phase I Environmental Site Assessment (ESA) conducted by Soils Engineering in 2006 indicated that petroleum hydrocarbon-impacted soil was observed about the locations of two onsite irrigation wells along the west boundary and in the northwest corner, respectively, of the project site. The Phase I ESA also included observations regarding soil that had reportedly surrounded a waste-oil aboveground storage tank (AST) located adjacent to the steel shop building in the easternmost portion of the project site.



A subsequent Remedial Action Report prepared and submitted by Soils Engineering, Inc. of Bakersfield on November 13, 2006 provided information regarding the October 2006 characterizations and cleanups of petroleum hydrocarbon-contaminated soil at the two irrigation well sites and the waste-oil AST. Samples were collected to characterize the vertical extent of the impacted soil at each location. Impacted, *nonhazardous* soil, totaling 521.1 tons, was removed thereafter and transported to the McKittrick Waste Treatment Site in western Kern County for disposal and/or recycling. Confirmation samples were collected from each of the three onsite locations to ensure that the impacted soil had been removed to less than action levels as required by the KCEHSD. The KCEHSD then approved the Remedial Action Report, issuing a December 1, 2006 closure letter indicating that no further action was required.

### **3.5.2 Higgins Auto Wrecking, Inc.**

An HMBP was provided for Higgins Auto Wrecking and parts store (Higgins), located at 12825 South Union Avenue. Higgins is a Small-Quantity Hazardous Waste Generator of less than 5,000 pounds annually. Higgins also uses automotive chemicals and welding supplies, and temporarily stores petroleum-based wastes for periodic disposal as listed in Table 3-2.

**Table 3-2  
Higgins Auto Wrecking, Inc.  
Hazardous Materials Business Inventory**

<b>KCEHSD I.D. No.</b>	<b>Permitted Material</b>	<b>Quantity Reported</b>
001889	Acetylene	107 ft <sup>3</sup>
	Oxygen	282 ft <sup>3</sup>
	Antifreeze	5 gallons
	Hydraulic oil	10 gallons
	Used brake fluid	55 gallons
	Used oil filters	55 gallons
	Waste antifreeze	55 gallons
	Waste gasoline	55 gallons
	Waste oil	300 gallons

ft<sup>3</sup> cubic feet

### **3.5.3 Louis Limi Farm Shop**

The Louis Limi Farm shop is located east of the project site, approximately ½-mile south of Di Giorgio Road unpaved western alignment at 11437 South Union Avenue. On September 19, 1991, one 10,000-gallon-capacity, single-wall, steel, diesel UST was removed and transported to Golden State Metals by Wegener Construction under KCEHSD permit no. 320026. The tank was destroyed on September 20, 1991. Soil samples collected from depths of two feet and six feet below the ends of the tank setting and the dispenser were analyzed for gasoline and diesel constituents. No petroleum hydrocarbons were detected in the samples collected below the ends of the tank setting. The sample collected two feet beneath the

dispenser exhibited diesel at 36 milligrams per kilogram (mg/kg), less than the KCEHSD action level of 100 mg/kg. Groundwater was not affected. The KCEHSD subsequently issued a closure letter dated October 8, 1991, indicating that no further action was required.

### **3.5.4 Young's Commercial Storage**

Young's Commercial Storage had been located at 300 Buena Vista Road, east of the Houghton Road intersection with South Union Avenue. On February 18, 1992, two 10,000-gallon-capacity, single-wall, steel, diesel USTs were removed by Calpi, Inc. The tanks were transported to Golden State Metals where they were destroyed. Soil samples collected from depths of two feet and six feet below the ends of the tank settings and the dispenser were analyzed for gasoline and diesel constituents. Approximately 1,000 cubic yards of diesel impacted soil were removed from the former tank settings and bioremediated on site between November 1992 and July 1994. Monitoring well MW-1 was installed on December 22, 1992 to penetrate the shallow water table underlying the site from 39 feet to 55 feet bgs, its total depth. Petroleum hydrocarbons were not detected in groundwater samples collected from MW-1 during a sequence of quarterly monitoring activities, and nearby drinking water wells had not been impacted. After the monitoring well was properly destroyed under KCEHSD permit no. 1233-62, the KCEHSD issued a closure letter dated October 3, 1994, indicating that no further action was required.

## **3.6 Kern County Agricultural Commissioner**

The project site has been utilized for agricultural purposes from at least the 1940's to the present. Doug Kaiser Farms (DKF) is the present grower, and alfalfa is the current crop. DKF possesses Restricted Materials Permit No. 1500666 for applications of pesticides and herbicides, which expires on December 31, 2008. As listed in Table 3-3, information obtained from the KCAC indicated that the following pesticides, herbicides, fertilizers, and general soil amendments have been licensed for application to the project site from 1994 to 2008.

**Table 3-3  
Restricted Materials Permitted for Use on the Project Site**

<b>California DPR No.</b>	<b>Empirical or Commercial Name</b>	<b>Type Use</b>	<b>Years Permitted by the Kern County Agricultural Commissioner</b>
1050	Carbaryl	Insecticide	1994, 1995
1060	Carbofuran	Insecticide	1994, 1995
1901	Def-Folex	Herbicide	1994, 1995
2302	Disyston	Insecticide	1994, 1995
2591	Thiodan	Insecticide	1994, 1995
3140	Azinphos-Methyl	Insecticide	1994, 1995
3824	Metasystox-R	Insecticide	1994, 1995
3830	Methomyl	Insecticide	1994, 1995
3940	Methyl Parathion	Insecticide	1994, 1995

**Table 3-3 (continued)**  
**Restricted Materials Permitted on the Project Site**

California DPR No.	Empirical or Commercial Name	Type Use	Years Permitted by the Kern County Agricultural Commissioner
4782	Thimet	Insecticide	1994, 1995
4801	Phosdrin	Insecticide	1994, 1995
16011	Paraquat	Herbicide	1994, 1995
16401	Bladex	Herbicide	1994, 1995
16891	Supracide	Herbicide	1994, 1995
16971	Monitor	Insecticide	1994, 1995, 1999
19291	Prowl	Herbicide	1996, 1997, 1999, 2001, 2002, 2003, 2006, 2007
5020	Prometryn	Herbicide	1996, 1999, 2004
2075	Mepiquat Chloride	Regulator	1996, 1997, 1999, 2002, 2003, 2004, 2006, 2007
5889	Penoxsulam	Herbicide	1996, 1997, 1999
Unrestricted	Comate 101	Vegetable Oil Concentrate	1996
Unrestricted	No Foam B	Activator	1997
Unrestricted	RNA	Crop Oil Concentrate	1997
Unrestricted	Leaf Life	Foliar Nutrient	1997, 1999, 2003
2254	Avermectin	Insecticide	1996, 1997, 1999, and 2001 through 2007
21861	Fluazifop-P-Butyl	Herbicide	1997
2532	Chlorpyrifos	Insecticide	1997, 2002
1673	Sodium Cacodylate	Defoliant/Herbicide	1997
19102	Oxamyl	Insecticide	1999
597	Trifluralin	Herbicide	1999, 2005
1626	Ethephon	Regulator	1999
2162	Thidiazuron	Defoliant	1999, 2003, 2004, 2006, 2007
3862	Bacillus Thuringiensis	Insecticide	2001
3940	Pyrithiobac-Sodium	Herbicide	2001, 2002, 2006, 2007
5815	Fluazifop-P-Butyl	Herbicide	2002
2300	Bifenthrin	Insecticide	2002, 2004
5598	Thiamethoxam	Insecticide	2002
4016	Pyriproxyfen	Regulator	2002, 2004
2234	Fenproatin	Insecticide	2002
1855	Glyphosate, Isopropylamine Salt	Herbicide	2002, 2003, 2004
5331	Indoxacarb	Insecticide	2003
769	Boric Acid	Insecticide	2003, 2004, 2006, 2007, 2008
5762	Acetamiprid	Insecticide	2003, 2004, 2006, 2007
1363	Ammonium Sulfate	Herbicide	2004

**Table 3-3 (concluded)**  
**Restricted Materials Permitted on the Project Site**

California DPR No.	Empirical or Commercial Name	Type Use	Years Permitted by the Kern County Agricultural Commissioner
5820	Glyphosate, Potassium Salt	Herbicide	2007
5865	Pyraflufen-Ethyl	Herbicide/Defoliant	2007
834	Bromoxynil Octanoate	Herbicide	2008
786	MCPA, Dimethylamine Salt	Herbicide	2008
5007	Dicamba, Diglycolamine Salt	Herbicide	2008

Organochlorine pesticides are defined as *persistent* because they are stable in the environment and resist decay with time. The ability of organochlorine pesticides to persist in the environment made them highly effective and therefore widely used in agricultural insect control efforts during the 1940s-1970s. The organochlorine pesticide DDT also was used to control typhus and malaria. It is unfortunate that the properties that made these chemicals such effective insecticides also made them environmental biohazards.

Most organochlorine pesticides were banned for use in the United States by the mid-1980s; those that remain in legal use are the active, low-concentration ingredients of some home and garden products and some agricultural and environmental pest-control products.

There are four broad groups of organochlorine pesticides, none of which include the pesticides and herbicides permitted since 1994 for application to the crops grown on the project site.

- Hexachlorocyclohexane (Lindane)
- DDT and related compounds DDE and DDD
- Cyclodienes (Aldrin, Heptachlor, and others)
- Mirex and Chlordecone

Agricultural fertilizers and chemicals in use today are sold in concentrated volumes but are mixed and applied in dilute concentrations. When used properly, they are soon utilized or metabolized by crops, and they degrade relatively quickly. However, some environmentally-persistent, organochlorine pesticides can linger in the soil for many years. It is not known if environmentally-persistent pesticides and herbicides were ever applied to the project site. McIntosh and Associates' sampling and analyses of surface and near-surface soils from properties with similar pesticide and herbicide application histories has typically yielded *nondetectable* results regarding analyses for environmentally-persistent pesticides and/or herbicides. The potential for elevated concentrations of environmentally-persistent pesticides to exist in the near-surface soils, which would require regulatory action, is low.

## 4.0 Site Reconnaissance

On July 1, 2008, a site reconnaissance visit was conducted for the project site and the surrounding area. This section provides the methodology for the site reconnaissance visit, and specific onsite and offsite observations.

### 4.1 Methodology

The objective of the site reconnaissance is to visually inspect and observe current physical conditions of the site and its surroundings. Emphasis was placed on the onsite area to determine if visible and recognizable hazardous materials and/or substances were present at the site. Prior to the site reconnaissance visit, all available environmental records and historical aerial photographs of the site were reviewed in an attempt to identify those locations where hazardous materials could have been stored or discarded. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions such as hazardous substances and petroleum products in connection with the project site, including soils, surface waters, and groundwater.

### 4.2 Onsite Observations

Table 4-1 summarizes conditions encountered during the site reconnaissance. A discussion of visual observations follows Table 4-1. Refer to Figure 6 and the Site Photographs (Appendix D) for the locations of features discussed in this section.

**Table 4-1  
Summary of Site Reconnaissance**

<b>Onsite Feature</b>	<b>Observed</b>	<b>Not Observed</b>
Structures (existing)	X	
Evidence of past uses (foundations, debris)	X	
Hazardous substances and/or waste oil in containers	X	
Aboveground storage tanks (ASTs)	X	
Underground storage tanks (USTs) or evidence of USTs		X
Underground petroleum/natural gas pipelines	X	
Strong, pungent, or noxious odors		X
Pools of liquid; hazardous materials or petroleum products		X
Drums		X
Unidentified substance containers		X
Potential polychlorinated biphenyl (PCB)-containing equipment	X	
Subsurface hydraulic equipment		X
Heating/ventilation/air conditioning (HVAC) units		X

**Table 4-1 (continued)**  
**Summary of Site Reconnaissance**

Onsite Feature	Observed	Not Observed
Stains or corrosion on floors, walls, or ceilings		X
Floor drains and sumps		X
Canals, <i>pits</i> , ponds, <i>ditches</i> , or lagoons	X	
Stained soil and/or pavement <i>greater than de minimis</i>		X
Stressed vegetation		X
Waste or wastewater discharges to the ground surface or surface waters on the project site (including stormwater)		X
Wells ( <i>irrigation, domestic</i> , dry, injection, abandoned, monitoring wells)	X	
Cleanout ports for septic systems		X

- The project site was observed to be primarily farm land cultivated or harvested for alfalfa (hay). Pacific Gas and Electric Company (PG&E) single pole-mounted transformers (PMTs) at locations PMT-1 and PMT-2 were observed in the southwest corner and approximately one-half mile to the north along the west boundary, respectively. Steel irrigation standpipes were also observed along the west boundary. Refer to Appendix D, Photos 1 and 2.
- The west irrigation well, powered by a late-model Cummins engine with an associated diesel AST mounted on a flatbed trailer, was observed near the west boundary, one-half mile north of the southwest corner. A 5-gallon bucket containing a small amount of waste oil was observed between the AST and the pump turbine. No oil- or diesel-stained soil was observed about the location. A decomposing, concrete-lined irrigation ditch was observed adjacent to the well location; refer to Photos 3 and 4.
- A Pacific Gas and Electric Company marker indicating the presence of a natural gas pipeline was observed along the west boundary, north of PMT-2; refer to Photo 5.
- The northwest irrigation well, powered by a late-model Cummins engine with an associated diesel AST mounted on a flatbed trailer, was observed near the northwest corner of the project site. A 2-gallon, capped plastic container of waste oil was observed on the south side of the pump turbine. No oil- or diesel-stained soil was observed about the location. Refer to Photo 6.
- An unlined ditch containing concrete rip-rap was observed on the south side of the DiGiorgio Road unpaved alignment at the northeast corner of the project site. The ditch marks the boundary between the project site and the adjacent offsite farm land to the east identified by APN 185-150-03. Refer to Photo 7.

- An offsite irrigation well was observed immediately east of the northeast corner of the project site, in the northwest corner of APN 185-150-03; refer to Photo 8. The well is served by one PG&E pole-mounted transformer at the offsite location PMT-3. A blue label was observed affixed to the transformer, indicating that it is free of electrolytic fluid containing polychlorinated biphenyls (PCBs). Refer to Photo 9.
- The west chain-link fenceline of the approximate 6.7-acre parcel identified by APN 185-190-01 was observed as pictured in Photo 10. The parcel includes a rural residence with the associated address of 12063 South Union Avenue. A privately-owned, domestic well was observed on the property.
- In the easternmost portion of the project site, an electrically-operated domestic well with associated pressure and storage tanks was observed at the north boundary; refer to Photo 11. A steel shop building fixed to a concrete foundation with a floor area of 3,840 square feet was observed south of the domestic well. Two transformers at PMT-4, an inoperable electrical switch panel, and a cylinder-shaped, propane AST were observed near the northeast corner of the building. Natural-gas service lines were observed on the east side of the building. An empty, canopied carport formerly utilized to store used tires was observed west of the shop building. A cradle-mounted waste-oil AST, an abandoned concrete foundation, and a stockpile containing broken concrete were observed on the south side of the steel shop building. Refer to Photos 11, 12, 13, 14, 15, and 16.
- Approximately ¼-mile southeast of the steel shop building, a fenced, offsite PG&E natural gas facility with a gravel surface was observed at South Union Avenue, adjacent to the southeast corner of the easternmost portion of the project site; refer to Photo 17.
- Approximately 300 feet west of the offsite PG&E facility, fenced PG&E natural gas valve station no. 269B was observed within an unpaved road easement along the south boundary of the easternmost portion of the project site; refer to Photo 18.
- A dry tailwater pit was observed in the southwest corner of the easternmost portion of the project site; refer to Photo 19.
- Wooden beehives were observed on the north side of a dry, brushy tailwater pit located in the south portion of the project site. An irrigation riser was observed at the west end of the tailwater pit. Refer to Photo 20.
- An out-of-service electrical turbine for a well booster pump was observed on the west slope of the dry, brushy tailwater pit; refer to Photo 21.
- Two older transformers, with an associated out-of-service electrical panel and meter, were observed at the location of PMT-5, west of the tailwater pit pictured in Photos 20 and 21. Refer to Photo 22.

### 4.3 Adjacent Properties and Usage

Table 4-2 summarizes the current adjacent roads and adjacent property uses observed during the site reconnaissance. Refer to Figure 6 and Appendices D and E for the locations of features discussed in this section.

**Table 4-2**  
**Adjacent Streets and Property Use**

Direction	Adjacent Street	Adjacent Property Use
North	Di Giorgio Road unpaved western alignment	Agricultural; alfalfa farming
South	Houghton Road	Undeveloped land and the State Route 99 freeway off-ramp were observed south of Houghton Road.
East	South Union Avenue is adjacent to 40 acres in the easternmost portion	Plowed farmland is situated east of the north portion in APNs 185-150-03 (39.13 acres), and 185-150-04 (76.21 acres). Rural residences, mobilehomes, abandoned vehicles and corrals and stables are situated east of the project site on APN Map 185-19. A PG&E natural-gas pipeline facility is situated adjacent to the southeast corner of the easternmost project site area at South Union Avenue. Higgins Auto Wrecking yard is situated at 12825 South Union Avenue, east of the south area on APN Map 185-16. A 10-foot, corrugated metal fence lines the wrecking yard boundary with the project site.
West	State Highway 99	Farmland and fallow land are situated in APN 185-140-05 and the west portion of 185-140-06 on the west side of the freeway.

Based on the observed and researched uses of the properties located immediately adjacent to the project site, Higgins Auto Wrecking is a small-quantity, hazardous waste generator.

#### 4.3.1 Pole-Mounted Electrical Transformers

Four onsite PMT locations were observed, and two additional offsite PMTs were observed. The ground surface below each PMT displayed no discoloration from fluid leakage.

PG&E is the owner of the PMTs. Mr. Mark Maytubby of PG&E reported that PMTs installed subsequent to 1990 likely did not contain polychlorinated biphenyl (PCB) insulating fluids. PMTs labeled with blue “non-PCB” stickers do not contain PCB fluids. Based on the visual absence of apparent unauthorized releases of insulating fluids from the onsite PMTs during the site reconnaissance activities, the onsite PMTs are not currently anticipated to pose adverse impacts. PG&E should be contacted regarding the disposition of these PMTs prior to development of the project site. In the event of a future release or leak of insulating fluids from any of the PMTs, PG&E should be contacted for their removal or replacement. Data for PMTs are listed in Table 4-3, and PMT photographs are included within Appendix D.



**Table 4-3  
Pole-Mounted Transformer Locations**

Location	Assessor's Parcel Number	Number of PMTs	PG&E Power Rating	Year Installed and Potential for PCBs
PMT-1 in Photo 1: In the SW corner of the project site, on the north side of the Houghton Road overpass.	185-140-06	1	15 KvA <sup>1</sup>	1990
PMT-2 in Photo 2: Along the west boundary adjacent to the overhead electric freeway message sign.	185-140-06	1	15 KvA <sup>1</sup>	1994
PMT-3 in Photos 8 and 9: <i>Offsite</i> ; adjacent to the NE corner of the project site.	185-150-03	1	150-KvA <sup>3</sup>	1999 <sup>B</sup>
PMT-4: <i>Offsite</i> ; 400± feet north of the steel shop building; not photographed.	185-190-02	1	15 KvA <sup>1</sup>	2007 <sup>B</sup>
PMT-5 in Photo 12: Located north of the NE corner of steel shop building.	185-140-06	2	15-KvA <sup>1</sup> 25-KvA <sup>1</sup>	1991 1976
PMT-6 in Photo 22: North of Houghton Road, adjacent to the tailwater booster pump.	185-140-06	1	10-KvA <sup>1</sup> 10-KvA <sup>1</sup>	1986 1986

<sup>1</sup> Single-Phase Transformer

<sup>B</sup> Blue sticker indicates transformer is confirmed PCB-free

<sup>3</sup> Three-Phase Transformer

KvA Kilovolt-Amperes

#### 4.3.2 PG&E Subsurface Pipelines

PG&E natural-gas transmission pipeline no. L-300B underlies the project site. Its location and physical characteristics are listed in Table 4-4. This pipeline traverses southeasterly across the property from State Highway 99 in the northwest to the south line bordering the easternmost portion of the project site; refer to Figure 5. It then traverses due east for ¼-mile, passing through PG&E valve station 269B and the original PG&E station situated at South Union Avenue. A four-inch-diameter, steel, subsurface natural gas distribution line operating at 60 psi was also identified that traverses the west side of South Union Avenue.

**Table 4-4  
PG&E Subsurface Pipelines**

Pipeline Identifier	Diameter In inches	Year Installed	Operating Pressure in psi
Natural-gas distribution line traverses north-south along the west side of South Union Avenue	4	Not available	60
Onsite natural gas transmission line no. L-300B	34	1954	850-900

## **5.0 Property Usage Survey**

The property usage survey included determining the property history with respect to hazardous materials by examining and interpreting visible features on aerial photographs, reviewing Kern County property assessment records, and summarizing replies in a Hazardous Materials Evaluation Questionnaire provided by Mr. Randy Becker, manager of 99-Houghton LLC.

### **5.1 Site History**

#### **5.1.1 Aerial Photograph Interpretation**

Available historical aerial photographs dated 1937, 1952, 1956, 1963, 1975, 1981, 1990, 1995, 2000, 2002, 2003, and 2006 were reviewed to assess the history of the subject site. These photographs were printed from the aerial photograph archives located at the offices of Western Photogrammetrics, and the Kern County Department of Engineering and Survey Services in Bakersfield, California. The aerial photograph summary is provided in Table 5-1. The aerial photographs are attached within Appendix E; all listed scales are approximate.

**Table 5-1**  
**Summary of Aerial Photograph Review**

<b>Appendix Photo No., Year, and Scale</b>	<b>Site Use</b>	<b>Site and Adjacent Property Observations</b>
E-1 1937	Undeveloped land	The project site is visible as fallow land. Some scarring from sheet-flooding is visible trending generally north to south. South Union Avenue is visible along the east boundary. Small farms and rural residences are visible to the northeast, east, and south.
E-2 1952	Agricultural land	A grove of trees is visible adjacent to South Union Avenue in the northeast corner of the easternmost portion of the project site. Two parcels appear to be under cultivation. Houghton Road is visible along the south boundary. Offsite, two small farms/rural residences are visible in the parcel currently occupied by Higgins Auto Wrecking in the S/2 of the SE/4 of the SE/4 of Section 7. Another small farm is visible due north of the easternmost portion of the project site; this rural residence stands to day with corrals immediately adjacent to the project site. Agricultural land is visible to the north, south, east, and west.
E-3 1956	Agricultural land	All but two fallow portions of project site appear to be under cultivation. The onsite location of the west irrigation well and the concrete ditch are visible. Conditions on the adjacent properties appear relatively similar to those noted in the 1952 aerial photograph.
E-4 1963	Agricultural land	The State Highway 99 freeway is visible along the west boundary of the project site, having opened in 1961. The “cloverleaf” on/off ramps at Houghton Road that are adjacent to the southwest corner of the project site appear to be under construction. Conditions on the project site and other adjacent properties appear relatively similar to those noted in the 1956 aerial photograph.
E-5 1975	Agricultural land	The trees are no longer visible in the easternmost portion of the project site; they have been replaced by plowed/cultivated land. A clearing with a small structure, possibly a small shed or shop, is also visible in the east portion. The south tailwater pit located near Houghton Road is visible. Offsite, the Houghton Road cloverleaf/overpass has been completed, and a dairy appears to be visible on the west side of State Highway 99 opposite the south half of the project site. The original PG&E natural gas pipeline station is visible adjacent to South Union Avenue. Conditions on other adjacent properties appear relatively similar to those viewed in the 1963 aerial photograph.

**Table 5-1 (continued)**  
**Summary of Aerial Photograph Review**

<b>Appendix Photo No., Year, and Scale</b>	<b>Site Use</b>	<b>Site and Adjacent Property Observations</b>
E-6 1981	Agricultural land	The large oak tree where the domestic well is located is visible in the small clearing in the west part of the easternmost portion of the project site. The north portion of the project appears fallow. Offsite, rows of wrecked automobiles are visible at the location of Higgins Auto Wrecking. Conditions on the project site and other adjacent properties appear relatively similar to those noted in the 1975 aerial photograph.
E-7 1990	Agricultural land	The steel shop building is visible in the small clearing in the west part of the easternmost portion of the project site. Conditions on the project site and other adjacent properties appear relatively similar to those noted in the 1981 aerial photograph.
E-8 1995	Agricultural land	Conditions on the project site and other adjacent properties appear relatively similar to those noted in the 1990 aerial photograph. Mobilehome lots are visible offsite that are situated due north of the easternmost parcel. Several residential subdivisions are visible one-half mile to more than one mile north of the project site.
E-9 2000	Agricultural land	Conditions on the project site and other adjacent properties appear relatively similar to those noted in the 1995 aerial photograph.
E-10 2002	Agricultural land	Conditions on the project site and other adjacent properties appear relatively similar to those observed on the 1995 and 2000 aerial photographs.
E-11 2003	Agricultural land	Conditions on the project site and other adjacent properties appear relatively similar to those observed on the 1995, 2000, and 2002 aerial photographs. More than 50% of the land comprising the project site appears fallow or recently plowed.
E-12 2006	Agricultural land	Conditions on the project site and other adjacent properties appear relatively similar to those observed on the 1995, 2000, 2002, and 2003 aerial photographs. Approximately 50% of the land comprising the project site appears to have been cultivated with alfalfa.

**Table 5-1 (concluded)  
Summary of Aerial Photograph Review**

<b>Appendix Photo No., Year, and Scale</b>	<b>Site Use</b>	<b>Site and Adjacent Property Observations</b>
E-13 2006	Agricultural land	Conditions on the project site and other adjacent properties appear relatively similar to those observed on the 1995, 2000, 2002, and 2003 aerial photographs. Approximately 50% of the land comprising the project site appears to have been cultivated with alfalfa.

### **5.1.2 Kern County Assessor-Recorder's Office**

On July 10, 2007, a records request was submitted to the KCARO for the project site APNs. Administrative staff personnel provided available information obtained from KCARO records. KCARO appraisal data is listed in Table 5-2.

**Table 5-2  
Kern County Assessor-Recorder's Office Appraisal History**

<b>Available Kern County Building Permit Number</b>	<b>Year of Appraisal Record</b>	<b>Description of Appraised Property</b>
8244	1990	48 x 80 steel building/shop
15161	1990	update electrical
62	1987	destroyed old water well
	1977	6-cyl diesel engine
	1973	5-HP tailwater pump
	1971	new 687-foot-deep water well
	1963	60-HP pump
	1959	100-HP pump
	1954	concrete ditch

No storage structures or vessels designed for or containing hazardous materials or wastes were reported by the KCARO for the project site.

### **5.1.3 Kern County Building Inspection Department**

On July 16, 2008 the Kern County Building Inspection Department was contacted in order to obtain historical building permit information for the project site. According to Ms. Elly Borjoquez of the KCBID, no building permits were found in county records for the project site APN dating to 1993. Therefore, no permits for items such as USTs, septic systems, building, demolition, or any previous structures are on file for the project site.

### **5.1.4 Utilities**

The utility companies currently serving or will serve the project site are PG&E and the Greenfield County Water District. A package sewer treatment plant system is being proposed to provide sewer service.

## **6.0 Impacts**

The Lead Agency (County of Kern), typically bases a determination of hazardous materials significance on the thresholds established by the CEQA Guidelines. The Environmental Checklist Form of the CEQA Guidelines contains a list of effects that may be deemed potentially significant. The following questions are found in the Hazards and Hazardous Materials Section of Environmental Checklist "G":

- a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Typically, general/retail commercial businesses do not generate, store, or dispose of significant quantities of hazardous materials. Highway commercial businesses may include fueling stations and vehicle repair facilities that sell or use and dispose of small quantities of petroleum products and wastes in conformance with conditions of respective Hazardous Materials Business Inventory permits issued by the Kern County Environmental Health Services Department. No significant impacts are anticipated to the public or the environment.

- b) Would the project create a significant hazard to the public or the environment through reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

The routine transport, use, or disposal of hazardous materials during construction activities is temporary. Excavation, grading, framing, glazing, masonry, plumbing, and other construction activities for the proposed project are not anticipated to release hazardous materials or present significant hazards to construction workers, the general public, or the environment.

- c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one quarter-mile of an existing school or proposed school?

The project is not located within one quarter-mile of an existing school or a proposed school.

- d) Is the project located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, and,

as a result, would it create a significant hazard to the public or the environment?

The project is not located on a site which is included on a list of hazardous materials compiled pursuant to Government Code Section 65962.5; therefore, it would not create a significant hazard to the public or the environment.

- e) For a project located within an airport land use plan, or, where such a plan has not been adopted that is within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

The project site is not located within two mile of a public airport or public use airport.

- f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

The Topographic Map (Figure 5) indicates that private airstrips had been located: 1) northwest of the project site in the N/2 of Section 2, T.31S., R.27E.; and 2) southeast of the project site in the W/2 of Section 16, T.31S., R.28E. Current aerial photographs indicate that these airstrips no longer exist.

- g) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Previously adopted emergency response plans or emergency evacuation plans will not be impaired by the implementation of the project.

- h) Would the project expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Wildlands are not situated adjacent to the proposed project site; therefore, wildland fires are not a source of concern.

## **6.1 Onsite Features of Potential Concern**

### **6.1.1 Abandoned Petroleum Prospect Well**

McIntosh and Associates initially utilized California Division of Oil, Gas, and Geothermal Resources' Wildcat Map W4-2 to identify the location of one petroleum prospect well on the project site. The well, "Sea Cliff-Houghton" 1, was drilled, cored, and evaluated by the Big McKittrick Oil Company from November 25, 1934 to June 5, 1935. It was abandoned as a dry hole with mud in the casing on October 11, 1935.

McIntosh and Associates evaluated the drilling history and descriptions of conventional cores of the well to its total depth of 6,756 feet bgs. One gas show was reported for the two-foot interval from 2,077 to 2,079 feet bgs. Although the well never produced oil or gas, it may be considered a moderate impact to the project site. Mitigation is expected to be required.

### **6.1.2 PG&E Natural Gas Transmission Pipeline**

An active PG&E natural gas transmission pipeline traverses the project site from northwest to southeast as shown on the Topographic Map, Figure 5. The operating pressure in the 34-inch-diameter pipeline is 850 to 900 psi. It was installed in 1954, and its operating pressure is controlled from two PG&E valve stations that are situated immediately adjacent to the easternmost portion of the project site. It is one of many pipelines monitored for leaks daily by aircraft. Mitigation will be required prior to grading operations in order to avoid direct contact with the pipeline by heavy construction equipment.

### **6.1.3 Water Wells and Pumps**

Two active, diesel-powered irrigation wells are situated on the project site. The west well is located adjacent to State Highway 99 where a concrete-lined ditch also serves as an identifying landmark. The northwest well is located near the northwest corner of the project site. In the fall of 2006, petroleum-stained soil was removed from each well irrigation location and transported to the McKittrick Waste Site in western Kern County. No diesel or waste-oil staining was observed on the ground surface at either irrigation well location during the site reconnaissance for this study that was conducted on July 1, 2008. The irrigation wells are considered to be less-than-significant impacts to the project site. At least one well may be expected to supply water for dust suppression when the project site is graded. If the wells are not to be used for irrigation or industrial purposes, they should be destroyed in accordance with California Well Standards as governed by the California Department of Water Resources, and permit requirements of the Kern County Environmental Health Services Department.

The domestic well located north of the modular shop building is also considered to be a less-than-significant impact to the project site. The well need not be destroyed if it is preferable to utilize it according to Federal, State, and Kern County Environmental Health Services Department regulations. However, it should be noted that drinking water will be supplied to the project site by the Greenfield County Water District.

The electrical turbine installed to pump water to or from the south tailwater pit near Houghton Road should also be removed; a permit for removal of this pump is not required.

### **6.1.4 Agricultural Activities**

Applications of pesticides and herbicides have been conducted according to Restricted Materials Permits obtained annually from the Kern County Agricultural Commissioner's Office. The Kern County Agricultural Commissioner's Office currently issues annual Restricted Materials Permit No. 1500666 to Doug Kaiser Farms and monitors the applications



of agricultural chemicals. The predominant crop historically grown on the project site has been alfalfa.

Agricultural chemicals in use today are applied in diluted concentrations and, when used properly, degrade relatively quickly. However, some environmentally-persistent pesticides can linger in the soil for many years. It is not known if environmentally-persistent pesticides and herbicides were ever applied to the project site. McIntosh and Associates' sampling and analysis of surface soils from properties with similar pesticide and herbicide application histories has typically yielded nondetectable results for analyses of environmentally persistent pesticides and herbicides. Therefore, the potential for elevated concentrations of environmentally-persistent pesticides to exist in the near-surface soils of the project site, which would require regulatory action, is low.

The agricultural activities conducted at the site may have impacted near-surface soils with residual concentrations of pesticides, herbicides, and associated metals. The most likely chemicals of concern might be chlorinated pesticides and associated metals, and they could be considered an environmental impact to the property. Considering the land uses arising from the proposed zoning change to each parcel, historical applications of permitted agricultural chemicals to the soil are not anticipated to pose adverse impacts to the project site. Therefore, no mitigation measures are recommended.

It is possible that asbestos-containing materials could be present in subsurface concrete irrigation (transite) pipe on the site. Concrete pipe was documented in information obtained from the Kern County Assessor-Recorder's Office. If concrete subsurface irrigation pipe is located on the site, the San Joaquin Valley Unified Air Pollution Control District shall be contacted for proper disposal procedures and requirements. Transite pipe at the site would then be removed and properly disposed, but it is considered to be a less-than-significant impact.

### **6.1.5 Electrical Transformers**

Four pole-mounted electrical transformer locations were observed on the project site. The pole-mounted transformers were observed to be in good condition and no apparent corrosion was noted. The ground surface below each pole-mounted transformer displayed no evidence of discoloration.

The Pacific Gas and Electric Company (PG&E) is the owner of the transformers. The company's transformer database, compiled circa 1990, does not indicate whether polychlorinated biphenyls (PCBs) are present in the electrolytic fluids of older transformers, especially those installed prior to 1990. However, pole-mounted transformers installed subsequent to 1990 likely do not contain polychlorinated biphenyl (PCB) insulating fluids. Pole-mounted transformers and reclosers labeled with a blue "non-PCB" sticker do not contain PCB fluids. It is unknown if the onsite pole-mounted transformers absent blue "non-PCB" stickers contain PCB fluids. Based on the visual absence of apparent unauthorized releases of insulating fluids from the onsite transformers during the site reconnaissance activities, the onsite transformers are considered to be less-than-significant impacts to the project site. PG&E should be contacted for their removal prior to site development.

### **6.1.6 Steel Shop Building Location**

A metal, modular shop building fixed to a concrete foundation with an area of 3,840 square feet is located south of the domestic well in the easternmost portion of the project site. A cylinder-shaped, propane AST was observed near the northeast corner of the building. Natural-gas service lines were observed on the east side of the building. The canopied carport, formerly utilized to store used tires, was observed west of the shop building. A cradle-mounted, waste-oil AST was observed on the south side of the shop building. The shop building and carport are expected to be demolished; a demolition permit obtained from the Kern County Building Inspection Department may be required. The propane AST, considered a less-than-significant impact, appeared to be in good condition and might conceivably be utilized elsewhere. Final disposition for the former waste-oil AST, also considered a less-than-significant impact, shall consist of transport to a local metals dismantling/recycling facility for destruction.

## **6.2 Proposed Project Impacts**

Approval of the proposed project by the County of Kern would allow for light industrial and commercial uses. Commercial uses may result in increased risks from hazardous materials. These types of commercial uses may allow the installations of aboveground and underground storage tanks utilized for fueling vehicles and backup generators (this short list is not all-inclusive). These uses could potentially result in environmental impacts from hazardous materials and/or substances. However, various government entities require permits for the abovementioned concerns. These various permits require controls that will reduce the potential impacts to a less than significant level. The proposed development will comply with all applicable rules and regulations dealing with hazardous materials and/or substances from the following agencies: San Joaquin Valley Air Pollution Control District, California Regional Water Quality Control Board, California Integrated Waste Management Board, California Department of Toxic Substances Control, California Office of Environmental Health Hazard Assessment, Kern County Department of Environmental Health Services, and the Kern County Fire Department.

The project site is not located within two miles of a public airport or public use airport and does not constitute a remote safety hazard. In addition, the project site is not located within one-quarter mile of a school.

The proposed project will not create a significant hazard to the public or the environment through the routine transport, use, and/or disposal of hazardous materials. It will not create a significant hazard to the public or the environment through reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment. The project site will not be a source of hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing school or proposed school.

### **6.2.1 Government Code, Section 65962.5**

Section 65962.5(a)(1) requires that the California Department of Toxic Substances Control “shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection a list of all of the following: ... all hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code.”

The project site is not included on any hazardous materials sites lists. The proposed project will not create a hazard to the public or environment through the transport, disposal and/or use of hazardous materials, nor will it create a public hazard through emissions of hazardous materials, accidental or otherwise.

### **6.2.2 Wildlands**

Wildlands are not situated adjacent to the project site.

## **7.0 Mitigation**

Hazardous materials are generally substances that, by their nature and reactivity, have the capacity to cause harm or create a health hazard during normal exposure or an accidental release. If during grading and construction a pipeline accident occurs, potential unknown buried hazardous materials are found, and/or if unidentified materials are discovered in the prescribed soil testing, health and safety procedures shall be implemented. Procedures shall include, at a minimum, emergency medical treatment, evacuation of the site and/or threatened area, and notification action. Notification shall be determined by the appropriate agency which may include but not be limited to the following agencies: Kern County Department of Environmental Health Services, Kern County Fire Department, San Joaquin Valley Unified Air Pollution Control District, and the California Regional Water Quality Control Board. Evacuation and determination regarding the type of contamination encountered and best course of action would be determined by the ranking official and any required remediation measures shall be implemented. All work would stop immediately if any heretofore unknown soil or other hazardous materials concerns arise during any part of the testing, grading, or construction on the project site.

### **7.1 Abandoned Petroleum Prospect Well**

The lack of oil shows in prospect well “Sea Cliff-Houghton” 1, drilled and abandoned on the project site in 1934-35, indicates that commercial quantities of oil and/or natural gas are not likely to underlie the project site.

The abandoned well shall be located, exposed, and reabandoned to conform to the current abandonment requirements of the California Division of Oil, Gas, and Geothermal Resources and the County of Kern. A preliminary summary program for reabandonment was proposed

and provided by the Program Management Engineer in the Bakersfield office of the California Division of Oil, Gas, and Geothermal Resources:

- Clean out the well to depth 4,200 feet.
- Fill well with fresh drilling fluid (mudding the hole).
- Set cement plugs: from 4,200 to 4,100 feet; shoe plug from 735 to 635 feet; and surface plug from 25 lineal feet bgs to final grade.
- Fill the annular space between the 13-inch and 9-inch diameter casing strings. Weld a steel plate over the tops of the casings.

## **7.2 PG&E Natural Gas Transmission Pipeline**

In order to mitigate impacts posed by the marked transmission pipeline if encountered during grading, adherence to the following regulations and guidelines is required:

- Prior to grading, Underground Service Alert shall be contacted at (800) 227-2600. PG&E's Engineering Department shall also be notified at (661) Proposed excavation areas across or adjacent to the pipeline corridor must be delineated with white marking paint or with other suitable markers such as flags or stakes at least two days prior to commencing any grading or excavation work. A "Dig Alert" ticket number will be issued at the time Underground Service Alert is contacted. Excavating is not permitted without this ticket number. Underground Service Alert will notify its member utilities having underground facilities in the area.
- Should rupturing of the pipeline occur, the Kern County Fire Department and PG&E shall be contacted immediately. A natural gas transmission pipeline rupture most often indicates an emergency situation; therefore, 911 should be dialed. However, if an emergency is not indicated, the Kern County Fire Department's Greenfield Station, located at 312 Taft Highway, should be contacted. Nonemergency telephone numbers for the Greenfield Station are the main KCFD number (661) 324-6551 and the station number (661) 834-5144. The 24-hour emergency contact number for PG&E is (800) 743-5000.

## **8.0 Conclusions**

Impacts related to hazardous materials and hazardous substances are considered site-specific and are generally mitigated to less than significant levels on a project-by-project basis. In the case of the proposed project, all potential hazards and potentially hazardous materials or situations that could result from the release of substances will be mitigated to less than significant levels. Compliance with the applicable federal, state, and local regulations, which includes safety standards, would minimize the potential cumulatively considerable impacts on the project site.

This Hazardous Materials Evaluation has determined that the proposed project at the 99-Houghton, LLC project site will not have a significant impact, either individually or cumulatively, for impacts relating to fixed hazards or hazardous materials or substances with the incorporation of mitigation measures.

McIntosh & Associates has completed this Hazardous Materials Evaluation with the best available information at the time the evaluation was performed for project site. This report was prepared to satisfy the California Environmental Quality Act Guidelines (CCR Section 15000) Checklist Section VII using current standards of professional care.

**McIntosh & Associates**

## **9.0 Resources**

Becker, Randy; Hazardous Materials Evaluation Questionnaire; Completed on July 10, 2008.

Borjoquez, Elly; Kern County Building Inspection Department; telephone communication; July 16, 2008.

California Division of Oil, Gas, and Geothermal Resources; Oil and Gas Prospect Wells Drilled in California through 1980; Sacramento, California, 1982.

California Division of Oil, Gas and Geothermal Resources Wildcat Map No. W4-2.

Crotty, Ashley; Environmental Data Resources, Inc. (EDR), Federal and State regulatory agency lists; Milford, Connecticut; Radius Map Report with Geocheck<sup>®</sup>; July 15, 2008.

Jaszarowski, Joyce; Program Management Engineer; California Division of Oil, Gas, and Geothermal Resources; telephone and facsimile communications; July 16, 2008.

Kern County Assessor-Recorder's Office; Appraisal records provided for APN 185-140-06; July 15, 2008.

Maytubby, Mark; Pacific Gas and Electric Company; e-mail communications; July 9, 2008.

Othart, Dominic; Pacific Gas and Electric Company; data for natural gas pipeline no. L300-B and customer distribution line; obtained by telephone communication; July 15, 2008.

Soils Engineering, Inc.; Remedial Action Report, Portion of Section 7, T.31S., R.28E., DiGiorgio Road and Highway 99, Bakersfield, California; November 2006.

U. S. Department of Agriculture - Soil Conservation Service, Soil Survey of Kern County, California-Northwestern Part; Rio Bravo Quadrangle, Sheet 28; 1985.

U. S. Geological Survey, 7.5-Minute Topographic Quadrangle Sheets, Gosford and Conner, California; 1954, Photorevised 1969.

von Sydow, Lydia; Kern County Environmental Health Services Department: 1) Remediation files provided for Lamb Chops, Limi Brothers Farms, Higgins Auto Wrecking, and Young's Commercial Transfer; July 7, 2008; and 2) Hazardous Materials Business Inventory provided for Higgins Auto Wrecking (Site ID 001889), expires February 13, 2009.

Young, Deborah; California Division of Oil, Gas, and Geothermal Resources, District 4 Bakersfield Office; well files provided for review of Big McKittrick Oil Company "Sea Cliff-Houghton" 1; June 30, 2008.

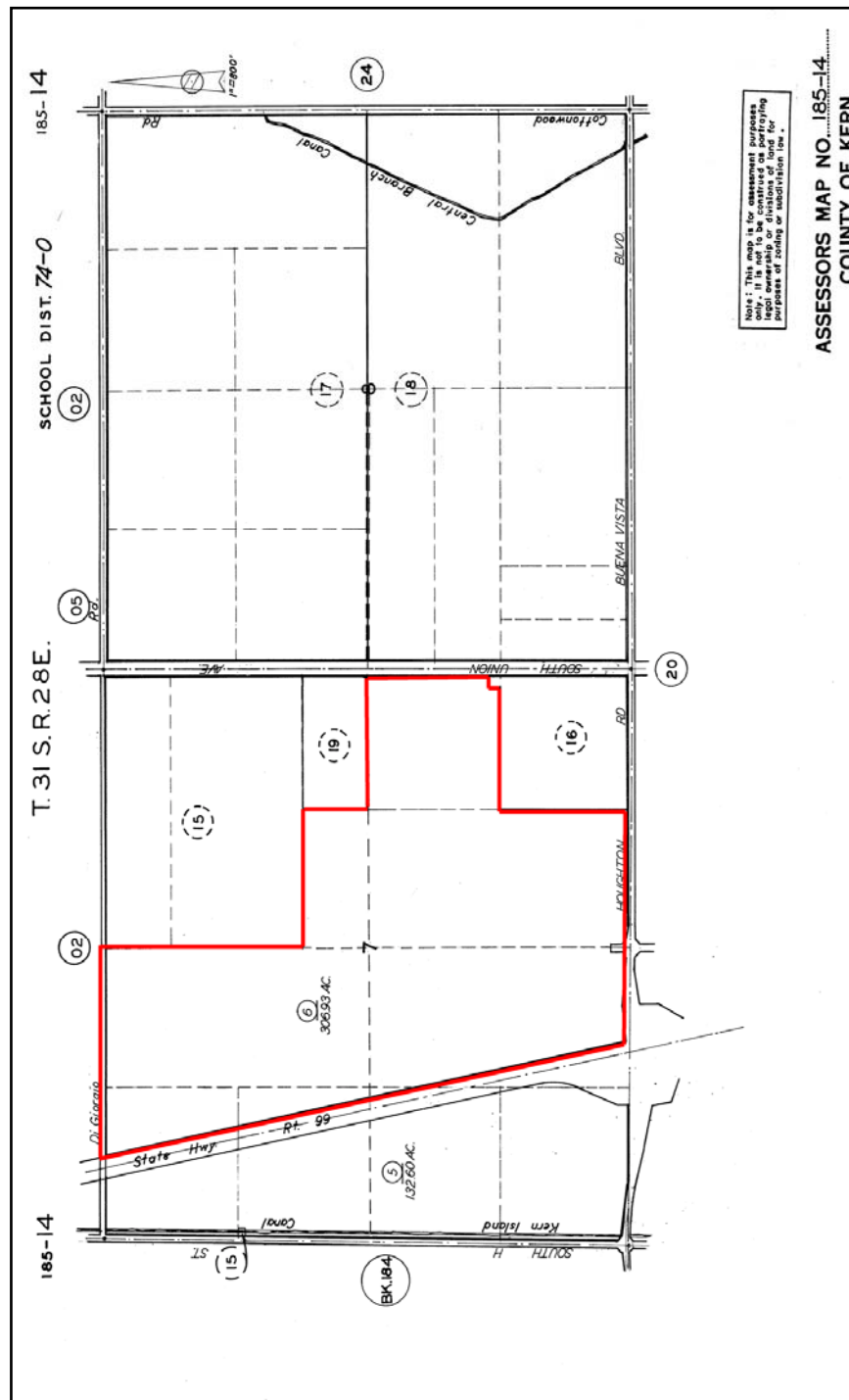
# **APPENDIX A**

## **Maps/Figures**



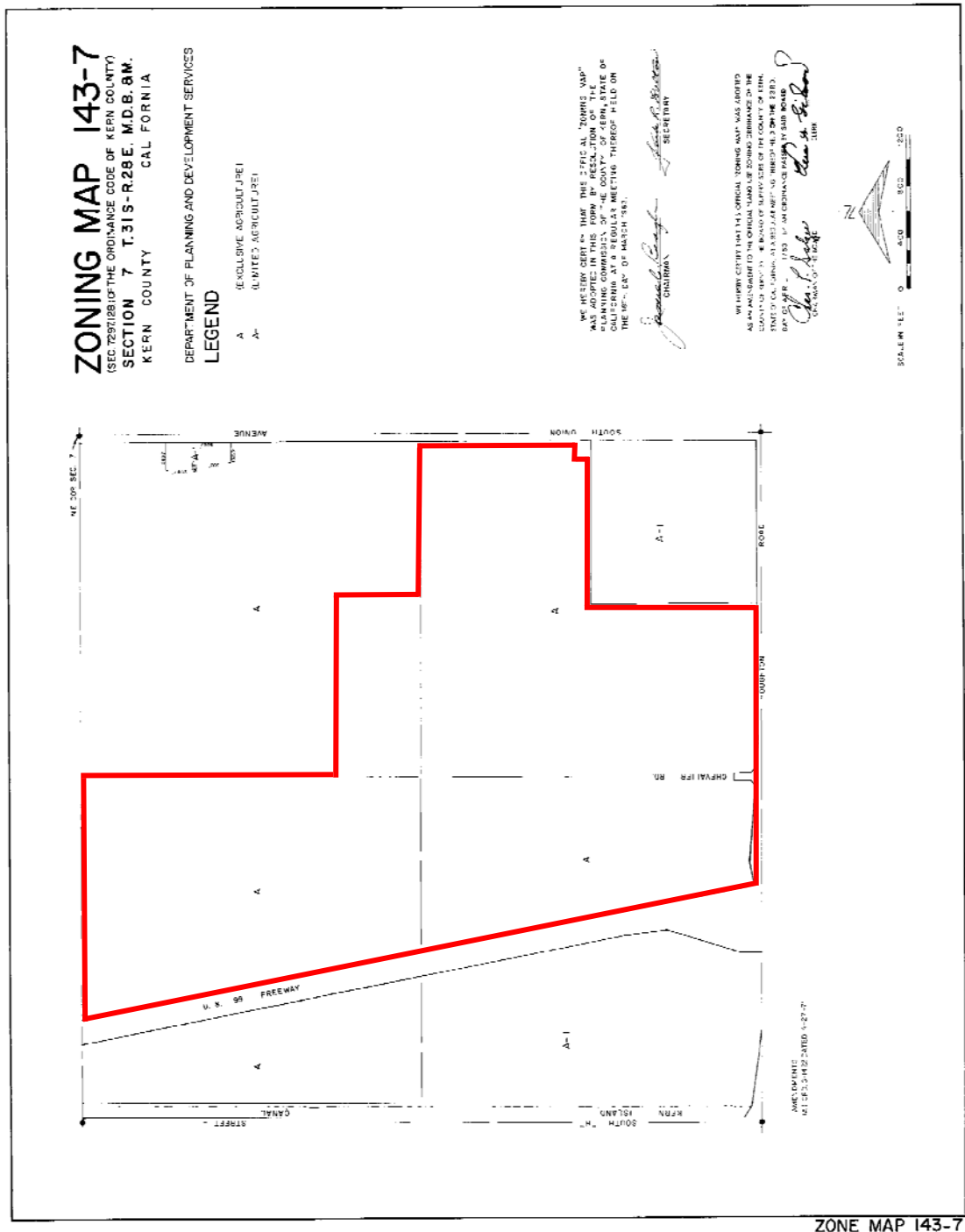
**Vicinity and Location Maps**



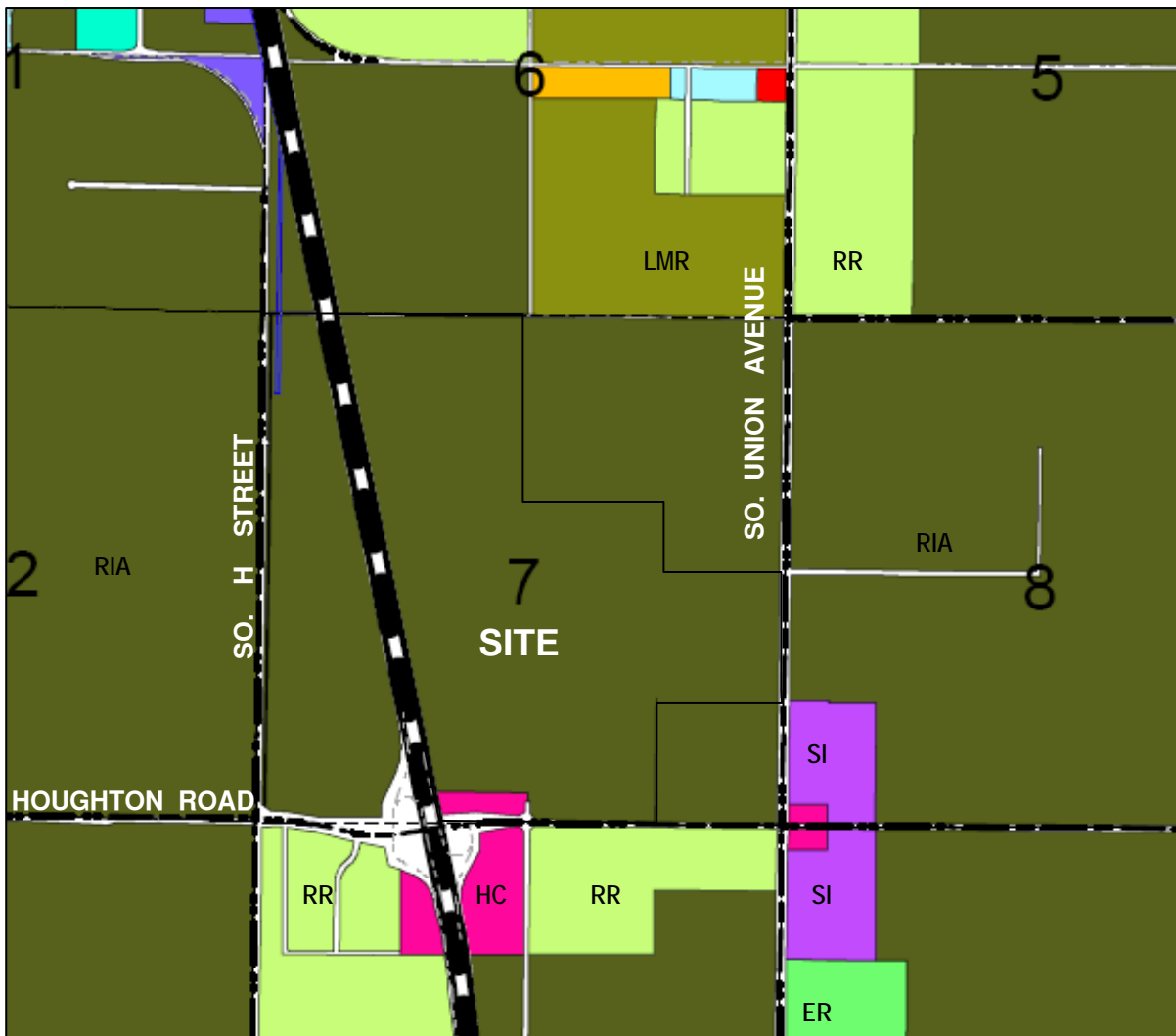


**Kern County Assessor's Parcel Map No. 185-14**

Figure 3A



Kern County Zoning Map No. 143-7



## RESIDENTIAL

- RR RURAL RESIDENTIAL MINIMUM 2.5 GROSS ACRES/UNIT
- ER ESTATE RESIDENTIAL MINIMUM 1 NET ACRE/UNIT
- LMR LOW MEDIUM DENSITY RESIDENTIAL  
COUNTY JURISDICTION:  
≤ 10 D.U./NET ACRE  
CITY JURISDICTION:  
> 4 AND ≤ 10 D.U./NET ACRE

## COMMERCIAL

- HC HIGHWAY COMMERCIAL

## INDUSTRIAL

- SI SERVICE INDUSTRIAL

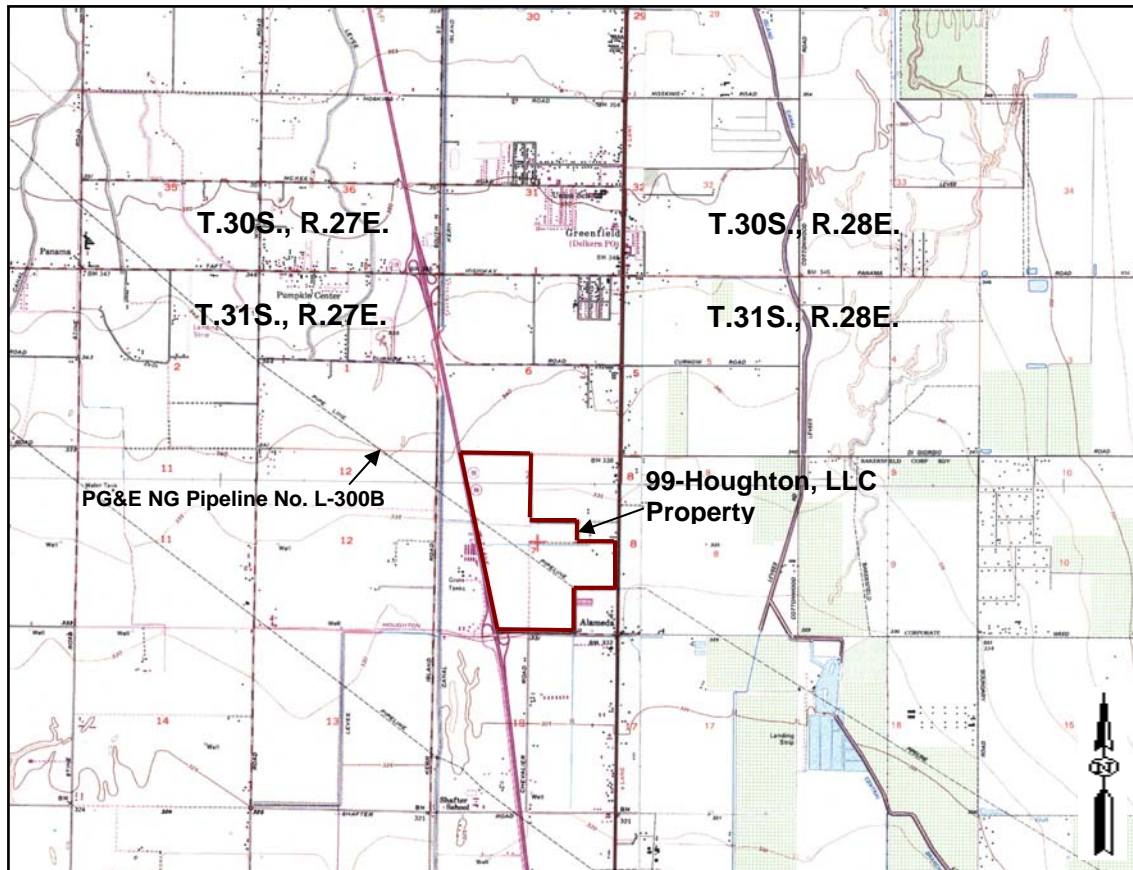
## RESOURCE

- R-IA INTENSIVE AGRICULTURE: MINIMUM 20 ACRE PARCEL SIZE

## Metropolitan Bakersfield General Plan

Portion of Section 7, T.31S., R.28E., M.D.B. & M.  
County of Kern, State of California

Figure 4



## Topographic Map

Sources: U. S. Geological Survey 7.5-Minute Topographic Quadrangles;  
Gosford and Conner, California; 1954, Photorevised 1968 and 1973

Scale: 1 Inch Equals Approximately 5,000 Feet



## **APPENDIX B**

### **EDR Radius Map Report with Geotcheck<sup>®</sup>**

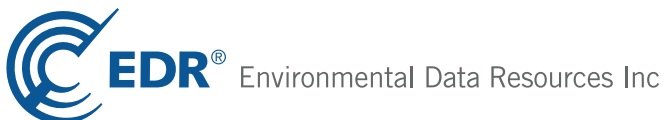
**99-Houghton LLC Property**

State Highway 99 at Houghton Road  
Bakersfield, CA 93307

Inquiry Number: 2258006.1s

July 15, 2008

## The EDR Radius Map™ Report with GeoCheck®



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



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

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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

STATE HIGHWAY 99 AT HOUGHTON ROAD  
BAKERSFIELD, CA 93307

#### COORDINATES

Latitude (North):	35.245280 - 35° 14' 43.0"
Longitude (West):	119.014440 - 119° 0' 52.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	316712.2
UTM Y (Meters):	3901905.8
Elevation:	336 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	35119-B1 CONNER, CA
Most Recent Revision:	1973
North Map:	35119-C1 GOSFORD, CA
Most Recent Revision:	1973
Northeast Map:	35118-C8 LAMONT, CA
Most Recent Revision:	1992
East Map:	35118-B8 WEED PATCH, CA
Most Recent Revision:	1992

### 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

## EXECUTIVE SUMMARY

<b>Proposed NPL</b>	Proposed National Priority List Sites
<b>Delisted NPL</b>	National Priority List Deletions
<b>NPL LIENS</b>	Federal Superfund Liens
<b>CERCLIS</b>	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b>	CERCLIS No Further Remedial Action Planned
<b>LIENS 2</b>	CERCLA Lien Information
<b>CORRACTS</b>	Corrective Action Report
<b>RCRA-TSDF</b>	RCRA - Transporters, Storage and Disposal
<b>RCRA-LQG</b>	RCRA - Large Quantity Generators
<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>CA WDS</b>	Waste Discharge System
<b>WMUDS/SWAT</b>	Waste Management Unit Database
<b>SWRCY</b>	Recycler 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

## EXECUTIVE SUMMARY

DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
CDL.....	Clandestine Drug Labs
RESPONSE.....	State Response Sites
HAZNET.....	Facility and Manifest Data
EMI.....	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
INDIAN VCP.....	Voluntary Cleanup Priority Listing

### EDR PROPRIETARY RECORDS

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

### STATE AND LOCAL RECORDS

**SWF/LF:** The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 06/09/2008 has revealed that there is 1 SWF/LF site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAMB CHOPS	300 BUENA VISTA BLVD.	1/2 - 1 SSE	A3	8

## EXECUTIVE SUMMARY

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

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>YOUNG COMMERCIAL TRANSFER</b>	<b>300 BUENA VISTA</b>	<b>1/2 - 1 SSE</b>	<b>A1</b>	<b>6</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 04/08/2008 has revealed that there is 1 LUST site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>YOUNG COMMERCIAL TRANSFER</b>	<b>300 BUENA VISTA</b>	<b>1/2 - 1 SSE</b>	<b>A1</b>	<b>6</b>
Facility Status: Case Closed				

**CA FID UST:** The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LIMI BROTHERS	11437 S UNION AVE	1/2 - 1 ENE	B7	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
YOUNGS COMMERCIAL TRANSFER, IN	300 BUENA VISTA	1/2 - 1 SSE	A2	7

**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 04/08/2008 has revealed that there is 1 UST site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LIMI BROTHERS	11437 S UNION AVE	1/2 - 1 ENE	B6	10

## EXECUTIVE SUMMARY

### **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 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
YOUNGS COMMERCIAL TRANSFER, IN	300 BUENA VISTA	1/2 - 1 SSE	A5	9

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.75 miles of the target property.

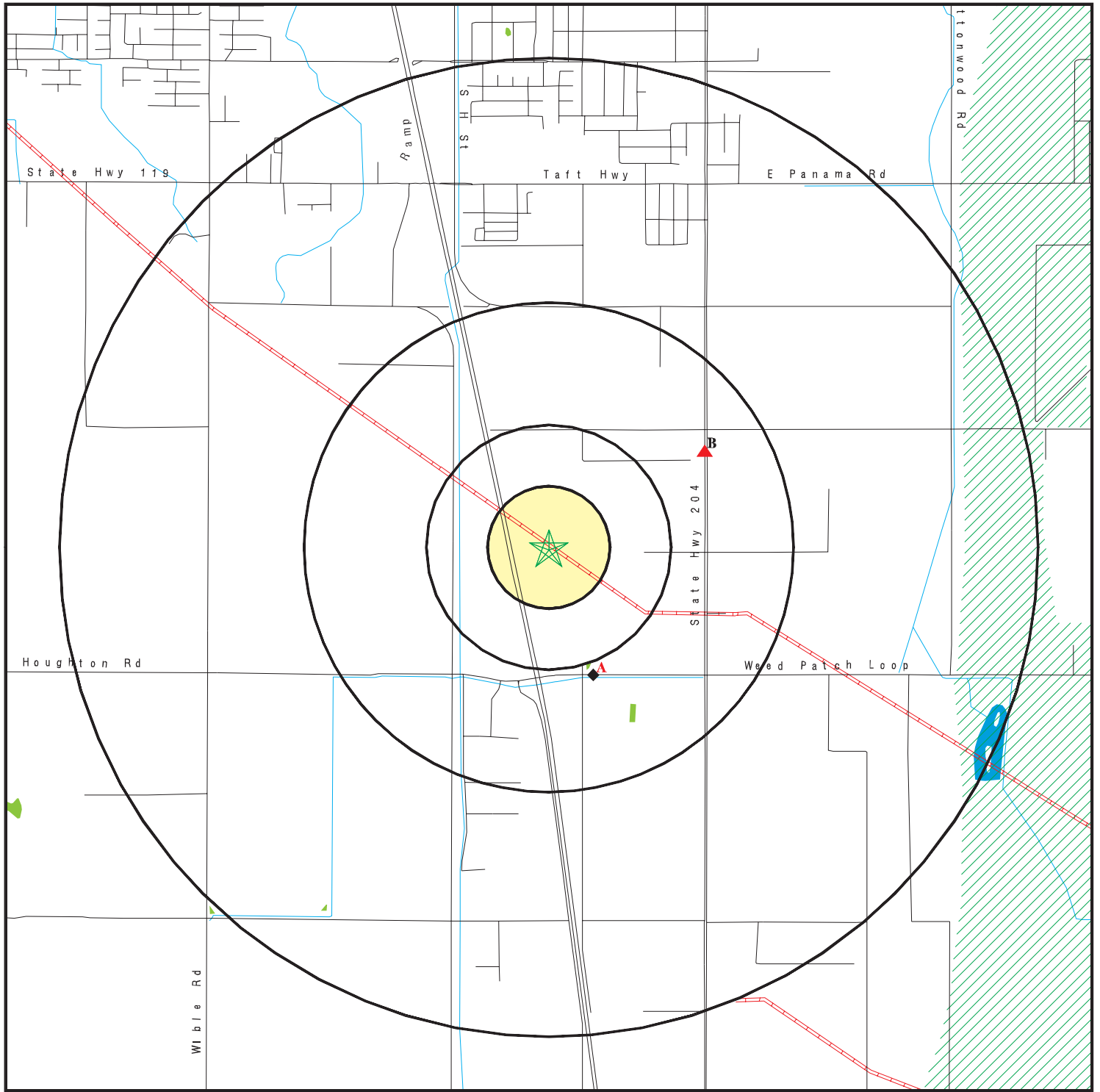
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LIMI BROTHERS	11437 S UNION AVE	1/2 - 1 ENE	B8	11
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
YOUNGS COMMERCIAL TRANSFER, IN	300 BUENA VISTA	1/2 - 1 SSE	A4	8

## EXECUTIVE SUMMARY

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

Site Name	Database(s)
PRIDE PETROLEUM SERVICES	SWEEPS UST
RIDGE GINNING COMPANY, INC.	SWEEPS UST
STOCKDALE HWY (7500 BLOCK, IN	CDL
5970 S UNION AVE (UNIT B-13)	CDL
WEEDPATCH HIGHWAY, 1/2 MI S MO	CDL
PRIDE PETROLEUM SERVICES	UST
VACANT LOT	UST
TENNECO WEST, ROSEDALE RANCH	UST
PHIL JEFFRIES FARMS	UST
GROWERS TRACTOR & EQUIPMENT CO.	UST
TAFT HWY CHEVRON	UST
ARCO #81774/JAI MINI MART	UST
JOHNNY QUIK #143	UST
E-Z MART MOBIL	UST
MIKULS TRUCK TERMINAL	UST
GASTORE	UST
NAVY OIL SITE	UST
RENEGADE TRUCK STOP	HIST UST
DEPARTMENT OF WATER RESOURCES	HAZNET
THE MERCY FOUNDATION OF BAKERSFIEL	HAZNET
P G & E	HAZNET
PACIFIC PIPELINE-EMIDIO STATN	HAZNET
SOUTHERN CALIFORNIA GAS CO	HAZNET
BOWEN TOOL YARD	SLIC
BAKERSFIELD AIRPORT BUSINESS PARK	SLIC
BCI COCA-COLA CO OF LA	CA WDS
MCKEE ELEMENTARY SCHOOL SITE	SCH, ENVIROSTOR
CHINA ESADE SANITARY LANDFILL	ODI
ADAMS GRAIN COMPANY	EMI
CALIFORNIA WATER SERVICE CO	EMI
NORTH OF RIVER SANITARY DIST	EMI
BAKERSFIELD AG CHEM	EMI
S & W TRUCK STOP, INC.	EMI
JOHNNY QUIK FOOD STORES	EMI
HAPPY GAS & MINI MART	EMI
SOUTH VALLEY GINS, INC.	EMI
GIUMARRA VINEYARDS CORP.	EMI
USEPA	MANIFEST

# OVERVIEW MAP - 2258006.1s



★ 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

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

0 1/2 1 2 Miles

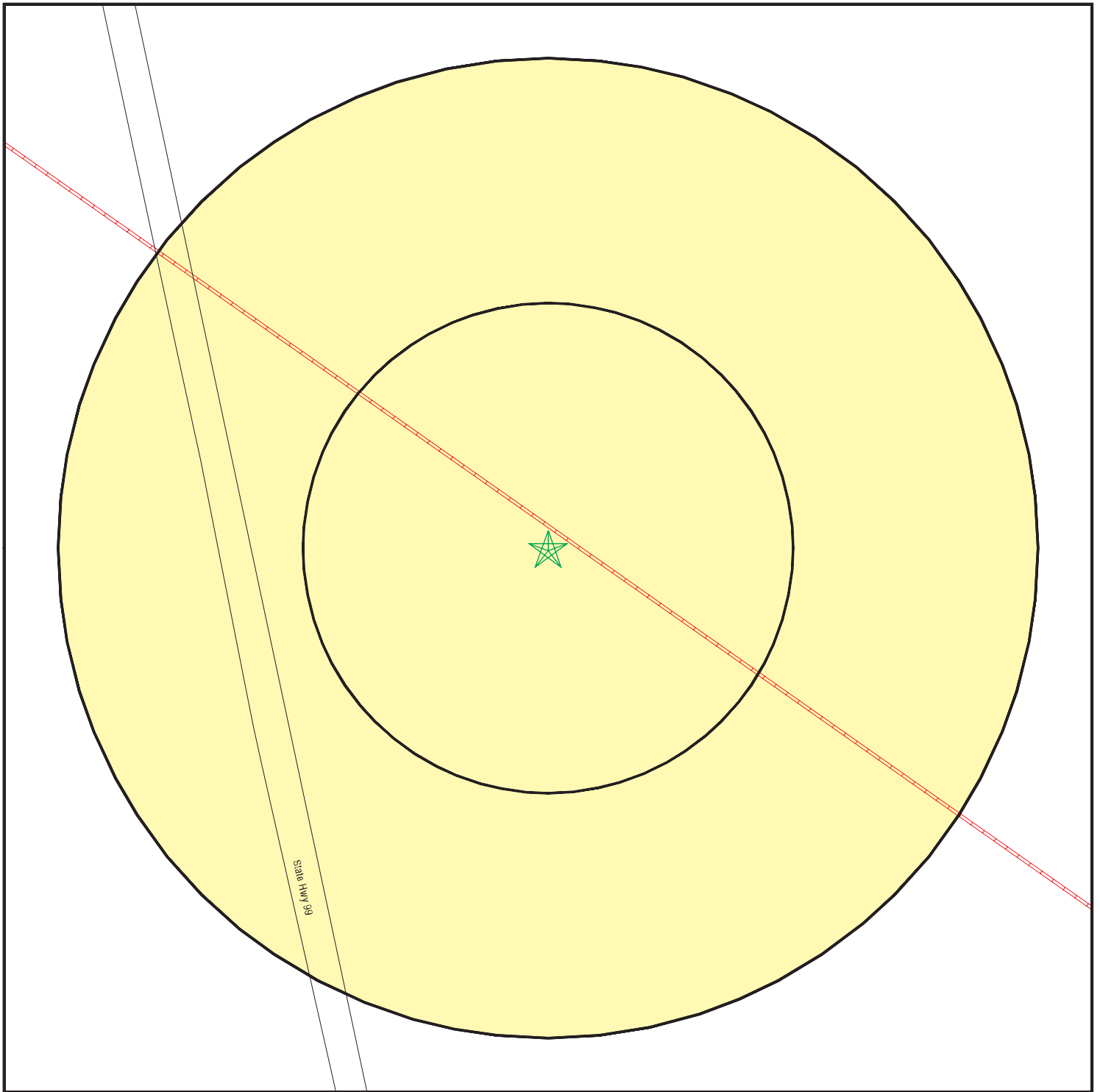


SITE NAME: 99-Houghton LLC Property  
ADDRESS: State Highway 99 at Houghton Road  
Bakersfield CA 93307  
LAT/LONG: 35.2453 / 119.0144

CLIENT: McIntosh & Associates  
CONTACT: Dayne L. Frary  
INQUIRY #: 2258006.1s  
DATE: July 15, 2008 11:44 am



# DETAIL MAP - 2258006.1s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ Sensitive Receptors

■ National Priority List Sites

■ Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Areas of Concern



SITE NAME: 99-Houghton LLC Property  
 ADDRESS: State Highway 99 at Houghton Road  
 Bakersfield CA 93307  
 LAT/LONG: 35.2453 / 119.0144

CLIENT: McIntosh & Associates  
 CONTACT: Dayne L. Frary  
 INQUIRY #: 2258006.1s  
 DATE: July 15, 2008 11:44 am

## 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		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL LIENS		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
LIENS 2		0.500	0	0	0	NR	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA-TSDF		1.000	0	0	0	0	NR	0
RCRA-LQG		0.750	0	0	0	0	NR	0
RCRA-SQG		0.750	0	0	0	0	NR	0
RCRA-CESQG		0.750	0	0	0	0	NR	0
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
DOT OPS		0.500	0	0	0	NR	NR	0
US CDL		0.500	0	0	0	NR	NR	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
LUCIS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
HIST FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
ICIS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
RADINFO		0.500	0	0	0	NR	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
HIST Cal-Sites		1.500	0	0	0	0	0	0
CA BOND EXP. PLAN		1.500	0	0	0	0	0	0
SCH		0.750	0	0	0	0	NR	0
Toxic Pits		1.500	0	0	0	0	0	0
SWF/LF		1.000	0	0	0	1	NR	1

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		1.000	0	0	0	0	NR	0
Cortese		1.000	0	0	0	1	NR	1
SWRCY		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	1	NR	1
CA FID UST		0.750	0	0	0	2	NR	2
SLIC		1.000	0	0	0	0	NR	0
UST		0.750	0	0	0	1	NR	1
HIST UST		0.750	0	0	0	1	NR	1
AST		0.750	0	0	0	0	NR	0
LIENS		0.500	0	0	0	NR	NR	0
SWEEPS UST		0.750	0	0	0	2	NR	2
CHMIRS		0.500	0	0	0	NR	NR	0
Notify 65		1.500	0	0	0	0	0	0
DEED		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
WIP		0.750	0	0	0	0	NR	0
CDL		0.500	0	0	0	NR	NR	0
RESPONSE		1.500	0	0	0	0	0	0
HAZNET		0.500	0	0	0	NR	NR	0
EMI		0.500	0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
ENVIROSTOR		1.500	0	0	0	0	0	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.500	0	0	0	0	0	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.500	0	0	0	0	0	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**  
**SSE**  
**1/2-1**  
**0.552 mi.**  
**2912 ft.**

**YOUNG COMMERCIAL TRANSFER**  
**300 BUENA VISTA**  
**BAKERSFIELD, CA 93307**

**Site 1 of 5 in cluster A**

**LUST**  
**Cortese**

**S104161332**  
**N/A**

**Relative:**  
**Lower**

LUST:

**Actual:**  
**332 ft.**

Region: STATE  
Status: Case Closed  
Chemical: Diesel  
Local Case #: 620011  
Case Number: 5T15000089  
Qty Leaked: Not reported  
Abate Method: Not reported  
Case Type: Soil only  
Cross Street: Not reported  
Enf Type: Not reported  
Funding: Undefined  
How Discovered: Not reported  
How Stopped: Not reported  
Leak Cause: Not reported  
Leak Source: Not reported  
Global Id: T0602900089  
Stop Date: 1992-02-18 00:00:00  
Confirm Leak: Not reported  
Workplan: Not reported  
Prelim Assess: Not reported  
Pollution Char: Not reported  
Remed Plan: Not reported  
Remed Action: Not reported  
Monitoring: Not reported  
Report Date: 1994-10-03 00:00:00  
Discover Date: 1992-03-04 00:00:00  
Enforcement Dt: 1965-01-01 00:00:00  
Release Date: 1992-03-04 00:00:00  
Review Date: Not reported  
Enter Date: Not reported  
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: 15  
Org Name: Not reported  
Reg Board: 5F  
Contact Person: Not reported  
Responsible Party: YOUNGS COMMERCIAL TRANSFER CO.  
RP Address: 300 BUENA VISTA, BAKERSFIELD, CA 93307  
Interim: Not reported  
Oversight Prgm: LUST  
MTBE Class: \*  
MTBE Conc: 0  
MTBE Fuel: 0  
MTBE Tested: Not Required to be Tested.  
Staff: JDW  
Staff Initials: CAR  
Lead Agency: Local Agency  
Local Agency: 15000L  
Hydr Basin #: SAN JOAQUIN (5-22)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YOUNG COMMERCIAL TRANSFER (Continued)**

**S104161332**

Beneficial: Not reported  
Priority: 4  
Cleanup Fund Id: Not reported  
Work Suspended: No  
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: Not reported

**LUST:**

Region: 5  
Case Number: 5T15000089  
Staff Initials: JDW  
Substance: DIESEL  
Case Type: Soil only  
Status: Case Closed  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

**Cortese:**

Region: CORTESE  
Facility Addr2: 300 BUENA VISTA

Region: CORTESE  
Facility Addr2: Not reported

**A2**  
**SSE**  
**1/2-1**  
**0.552 mi.**  
**2912 ft.**

**YOUNGS COMMERCIAL TRANSFER, IN**  
**300 BUENA VISTA**  
**BAKERSFIELD, CA 93307**

**CA FID UST** **S101620513**  
**N/A**

**Site 2 of 5 in cluster A**

**Relative:**  
**Lower**

**CA FID UST:**

Facility ID: 15000393  
Regulated By: UTNKA  
Regulated ID: 00004232  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 8058318772  
Mail To: Not reported  
Mailing Address: RR 2 BOX  
Mailing Address 2: Not reported  
Mailing City, St, Zip: BAKERSFIELD 93307  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Active

**Actual:**  
**332 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A3**  
**SSE**  
**1/2-1**  
**0.552 mi.**  
**2912 ft.**  
**LAMB CHOPS**  
**300 BUENA VISTA BLVD.**  
**BAKERSFIELD, CA**  
**Site 3 of 5 in cluster A**

**SWF/LF** **S103945795**  
**N/A**

**Relative:**  
**Lower**

SWF/LF:

Region: STATE  
Facility ID: 15-AA-0358  
Lat/Long: 35.23798 / -119.00943  
Owner Name: Lamb, Dan And Keith  
Owner Telephone: 6613978305  
Owner Address: Not reported  
Owner Address2: 315 Lamb Avenue  
Owner City,St,Zip: Bakersfield, CA 93307  
Operator: Lamb Chops  
Operator Phone: 6613976321  
Operator Address: Not reported  
Operator Address2: 12336 South Union Avenue  
Operator City,St,Zip: Bakersfield, CA 93307  
Operator's Status: Closed  
Permit Date: 5/14/1999  
Permit Status: Notification  
Permitted Acreage: \$0.00  
Activity: Composting Operation (Ag)  
Regulation Status: Notification  
Landuse Name: Agricultural  
GIS Source: Map  
Category: Composting  
Unit Number: 01  
Inspection Frequency: None  
Accepted Waste: Manure  
Closure Date: 3/31/1999  
Closure Type: Actual  
Disposal Acreage: Not reported  
Swisnumber: 15-AA-0358  
Issue & Observations: Bakersfield, CA 93307  
Program Type: Not reported  
Permitted Throughput with Units: 1000  
Actual Throughput with Units: Cu Yards/day  
Permitted Capacity with Units: 2500  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Cubic Yards

**A4**  
**SSE**  
**1/2-1**  
**0.552 mi.**  
**2912 ft.**  
**YOUNGS COMMERCIAL TRANSFER, IN**  
**300 BUENA VISTA**  
**BAKERFIELD, CA 93307**  
**Site 4 of 5 in cluster A**

**SWEEPS UST** **S106934639**  
**N/A**

**Relative:**  
**Lower**

SWEEPS UST:

Status: Not reported  
Comp Number: 4232  
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

**Actual:**  
**332 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YOUNGS COMMERCIAL TRANSFER, IN (Continued)**

**S106934639**

Swrcb Tank Id: 15-000-004232-000001  
Actv Date: Not reported  
Capacity: 10000  
Tank Use: M.V. FUEL  
Stg: PRODUCT  
Content: DIESEL  
Number Of Tanks: 2

Status: Not reported  
Comp Number: 4232  
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: 15-000-004232-000002  
Actv Date: Not reported  
Capacity: 10000  
Tank Use: M.V. FUEL  
Stg: PRODUCT  
Content: DIESEL  
Number Of Tanks: Not reported

**A5  
SSE  
1/2-1  
0.552 mi.  
2912 ft.**

**YOUNGS COMMERCIAL TRANSFER, IN  
300 BUENA VISTA  
BAKERSFIELD, CA 93307**

**HIST UST U001584528  
N/A**

**Site 5 of 5 in cluster A**

**Relative:  
Lower**

HIST UST:  
Region: STATE  
Facility ID: 00000004232  
Facility Type: Other  
Other Type: TRUCKING  
Total Tanks: 0002  
Contact Name: PAUL PASCHALL  
Telephone: 8058318772  
Owner Name: YOUNGS COMMERCIAL TRANSFER, IN  
Owner Address: 44 SO. LOTAS/P.O. BOX 871  
Owner City,St,Zip: PORTERVILLE, CA 93258

**Actual:  
332 ft.**

Tank Num: 001  
Container Num: B-1  
Year Installed: 1973  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL  
Tank Construction: Not reported  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: B-2  
Year Installed: 1972  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: DIESEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YOUNGS COMMERCIAL TRANSFER, IN (Continued)**

**U001584528**

Tank Construction: Not reported  
Leak Detection: Stock Inventor

**B6**  
**ENE**  
**1/2-1**  
**0.750 mi.**  
**3958 ft.**

**LIMI BROTHERS**  
**11437 S UNION AVE**  
**BAKERSFIELD, CA**  
**Site 1 of 3 in cluster B**

**UST** **U004112341**  
**N/A**

**Relative:**  
**Higher**

UST:

Region: Kern  
Owner Id: 320026  
Owner Name: LIM, LOUIE A.  
Active Facility: No  
Bakersfield City: No  
APN: Not reported  
Compliant: Not reported  
Number of Tanks: 0

**Actual:**  
**339 ft.**

Tank Num: Not reported  
Tank Capacity: Not reported  
Common Name: Not reported

**B7**  
**ENE**  
**1/2-1**  
**0.750 mi.**  
**3958 ft.**

**LIMI BROTHERS**  
**11437 S UNION AVE**  
**BAKERSFIELD, CA 93307**  
**Site 2 of 3 in cluster B**

**CA FID UST** **S101582298**  
**N/A**

**Relative:**  
**Higher**

CA FID UST:

Facility ID: 15001520  
Regulated By: UTNKI  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: Not reported  
Mail To: Not reported  
Mailing Address: 435 E PANAMA LN  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BAKERSFIELD 93307  
Contact: Not reported  
Contact Phone: Not reported  
DUNS Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Inactive

**Actual:**  
**339 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B8**  
**ENE**  
**1/2-1**  
**0.750 mi.**  
**3958 ft.**  
**LIMI BROTHERS**  
**11437 S UNION AVE**  
**BAKERSFIELD, CA 93307**  
**Site 3 of 3 in cluster B**

**SWEEPS UST**  
**U003992697**  
**N/A**

**Relative:**  
**Higher**

SWEEPS UST:

Status: Not reported  
Comp Number: 320026  
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: 15-000-320026-000001  
Actv Date: Not reported  
Capacity: 10000  
Tank Use: M.V. FUEL  
Stg: PRODUCT  
Content: DIESEL  
Number Of Tanks: 1

**Actual:**  
**339 ft.**

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BAKERSFIELD	S106825360	ADAMS GRAIN COMPANY	1/2 MI N/O SEVENTH STANDARD RD		EMI
BAKERSFIELD	S106103770	BCI COCA-COLA CO OF LA	414 NINETEENTH ST.		CA WDS
BAKERSFIELD	1007443873	CHINA ESADE SANITARY LANDFILL	EAST OF ALFRED HARRELL HWY		ODI
BAKERSFIELD	S108195932	MCKEE ELEMENTARY SCHOOL SITE	NORTH OF TAFT HWY AND WEST OF	93307	SCH, ENVIROSTOR
BAKERSFIELD	U003993003	PRIDE PETROLEUM SERVICES	18850 ORANGEBELT HWY		SWEEPS UST
BAKERSFIELD	U004112672	PRIDE PETROLEUM SERVICES	18850 ORANGEBELT HWY		UST
BAKERSFIELD	S106920289	CALIFORNIA WATER SERVICE CO	ROSEDALE HWY AT PATTON WAY	93313	EMI
BAKERSFIELD	U004111769	VACANT LOT	SE/COR HWY 58 & EDISON RD		UST
BAKERSFIELD	S106486289	BOWEN TOOL YARD	SECT.14, NEAR HWY 99		SLIC
BAKERSFIELD	1009219056	USEPA	7TH STANDARD ROAD RTE 65		MANIFEST
BAKERSFIELD	S106921189	NORTH OF RIVER SANITARY DIST	7TH STANDARD ROAD W/O SHAFTER		EMI
BAKERSFIELD	U004112648	TENNECO WEST, ROSEDALE RANCH	7TH STANDARD & RUDD RD		UST
BAKERSFIELD	U004112755	PHIL JEFFRIES FARMS	7TH STANDARD & HWY 43		UST
BAKERSFIELD	S106826625	BAKERSFIELD AG CHEM	7TH STANDARD RD / HWY 99		EMI
BAKERSFIELD	S103679979	DEPARTMENT OF WATER RESOURCES	STATE HWY 43-ENOS LANE		HAZNET
BAKERSFIELD	S107540778		STOCKDALE HWY (7500 BLOCK, IN	93307	CDL
BAKERSFIELD	U004112145	GROWERS TRACTOR & EQUIPMENT CO.	1622 SUNION AVE	93307	UST
BAKERSFIELD	U004113705	TAFT HWY CHEVRON	1999 TAFT HWY	93313	UST
BAKERSFIELD	U004113704	ARCO #81774/JAI MINI MART	2051 TAFT HWY	93313	UST
BAKERSFIELD	U004113703	JOHNNY QUIK #143	2126 TAFT HWY	93313	UST
BAKERSFIELD	U004113700	E-Z MART MOBIL	2106 TAFT HWY	93313	UST
BAKERSFIELD	U004113699	MIKULS TRUCK TERMINAL	2201 TAFT HWY	93313	UST
BAKERSFIELD	U004112325	GASTORE	2100 TAFT HWY	93313	UST
BAKERSFIELD	S107621908	S & W TRUCK STOP, INC.	1999 TAFT HIGHWAY	93313	EMI
BAKERSFIELD	S107621235	JOHNNY QUIK FOOD STORES	2126 TAFT HWY	93313	EMI
BAKERSFIELD	S106248596	HAPPY GAS & MINI MART	3221 TAFT HWY @ WIBLE RD	93313	EMI
BAKERSFIELD	U004111854	NAVY OIL SITE	TRUXTUN & UNION AVE		UST
BAKERSFIELD	S106483557	BAKERSFIELD AIRPORT BUSINESS PARK	UNICORN RD. AT HWY 99/65		SLIC
BAKERSFIELD	S107535186		5970 S UNION AVE (UNIT B-13)		CDL
BAKERSFIELD	S108756431	THE MERCY FOUNDATION OF BAKERSFIEL	17660 S UNION AVE	93307	HAZNET
BAKERSFIELD	S105939711	SOUTH VALLEY GINS, INC.	VALPREDO RD, 3 MI W OF HWY 99		EMI
BAKERSFIELD	S106831774	GIUMARRA VINEYARDS CORP.	1 MI W/O OLD EDISON HWY 56		EMI
BAKERSFIELD	S108723969		WEEDPATCH HIGHWAY, 1/2 MI S MO	93307	CDL
BAKERSFIELD	S102800933	P G & E	WEEPACK RD / EDISON HWY	93307	HAZNET
METTLER	U001584481	RENEGADE TRUCK STOP	ROUTE #2 BOX 446-C	93307	HIST UST
METTLER	S108752617	PACIFIC PIPELINE-EMIDIO STATN	10901 HWY 166	93313	HAZNET
METTLER	S104577597	SOUTHERN CALIFORNIA GAS CO	9530 HWY 166	93313	HAZNET
METTLER	S106931374	RIDGE GINNING COMPANY, INC.	HWY 99 / COPUS RD FR	93307	SWEEPS UST

# 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: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	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: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	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: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	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  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 04/08/2008  
Date Data Arrived at EDR: 04/25/2008  
Date Made Active in Reports: 05/21/2008  
Number of Days to Update: 26

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 06/17/2008  
Next Scheduled EDR Contact: 09/15/2008  
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  
Date Data Arrived at EDR: 12/06/2007  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 76

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 06/17/2008  
Next Scheduled EDR Contact: 09/15/2008  
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  
Date Data Arrived at EDR: 03/07/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Varies

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008  
Date Data Arrived at EDR: 04/02/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 34

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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: 03/06/2008  
Date Data Arrived at EDR: 03/06/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 43

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 05/21/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 03/06/2008  
Date Data Arrived at EDR: 03/06/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 43

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 05/21/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 03/06/2008  
Date Data Arrived at EDR: 03/06/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 43

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 05/21/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 03/06/2008  
Date Data Arrived at EDR: 03/06/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 43

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 05/21/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 03/06/2008  
Date Data Arrived at EDR: 03/06/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 43

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 05/21/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 04/04/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	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: 04/04/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	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: 04/22/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/21/2008
	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: 12/31/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/16/2008	Telephone: 202-366-4555
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 04/16/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/14/2008
	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: 05/28/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/25/2008
	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: 06/27/2008  
Next Scheduled EDR Contact: 09/22/2008  
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: 04/01/2008  
Date Data Arrived at EDR: 04/30/2008  
Date Made Active in Reports: 05/30/2008  
Number of Days to Update: 30

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 04/30/2008  
Next Scheduled EDR Contact: 07/14/2008  
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: 05/09/2008  
Next Scheduled EDR Contact: 08/04/2008  
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: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/09/2008  
Next Scheduled EDR Contact: 09/08/2008  
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: 02/08/2008  
Date Data Arrived at EDR: 04/25/2008  
Date Made Active in Reports: 05/30/2008  
Number of Days to Update: 35

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 04/22/2008  
Next Scheduled EDR Contact: 07/21/2008  
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: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/16/2008  
Next Scheduled EDR Contact: 09/15/2008  
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: 03/25/2008  
Date Data Arrived at EDR: 04/17/2008  
Date Made Active in Reports: 05/15/2008  
Number of Days to Update: 28

Source: EPA, Region 9  
Telephone: 415-972-3336  
Last EDR Contact: 06/23/2008  
Next Scheduled EDR Contact: 09/22/2008  
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: 02/07/2008  
Date Data Arrived at EDR: 03/26/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 06/25/2008  
Next Scheduled EDR Contact: 09/22/2008  
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: 12/31/2006  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 06/16/2008  
Next Scheduled EDR Contact: 09/15/2008  
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: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
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: 04/11/2008  
Date Data Arrived at EDR: 04/24/2008  
Date Made Active in Reports: 05/21/2008  
Number of Days to Update: 27

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 06/16/2008  
Next Scheduled EDR Contact: 09/15/2008  
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: 04/11/2008  
Date Data Arrived at EDR: 04/24/2008  
Date Made Active in Reports: 05/21/2008  
Number of Days to Update: 27

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 06/16/2008  
Next Scheduled EDR Contact: 09/15/2008  
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: 12/31/2006  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
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: 02/28/2008  
Date Data Arrived at EDR: 03/18/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 49

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
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: 06/20/2008  
Next Scheduled EDR Contact: 08/04/2008  
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: 04/22/2008  
Date Data Arrived at EDR: 05/06/2008  
Date Made Active in Reports: 06/09/2008  
Number of Days to Update: 34

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 04/29/2008  
Date Data Arrived at EDR: 05/01/2008  
Date Made Active in Reports: 05/21/2008  
Number of Days to Update: 20

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 05/01/2008  
Next Scheduled EDR Contact: 07/28/2008  
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: 04/03/2008	Source: EPA
Date Data Arrived at EDR: 04/08/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	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: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## **BRS:** Biennial Reporting System

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

Date of Government Version: 12/31/2005	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: 06/11/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/08/2008
	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: 05/27/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/25/2008
	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: 05/27/2008

Date Data Arrived at EDR: 05/28/2008

Date Made Active in Reports: 06/20/2008

Number of Days to Update: 23

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 05/28/2008

Next Scheduled EDR Contact: 08/25/2008

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

Date Data Arrived at EDR: 08/30/1995

Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364

Last EDR Contact: 04/28/2008

Next Scheduled EDR Contact: 07/28/2008

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: 06/09/2008

Date Data Arrived at EDR: 06/11/2008

Date Made Active in Reports: 06/20/2008

Number of Days to Update: 9

Source: Integrated Waste Management Board

Telephone: 916-341-6320

Last EDR Contact: 06/11/2008

Next Scheduled EDR Contact: 09/08/2008

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

Date Data Arrived at EDR: 04/10/2000

Date Made Active in Reports: 05/10/2000

Number of Days to Update: 30

Source: State Water Resources Control Board

Telephone: 916-227-4448

Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: Quarterly

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

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007

Date Data Arrived at EDR: 06/20/2007

Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227

Last EDR Contact: 06/16/2008

Next Scheduled EDR Contact: 09/15/2008

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: 04/21/2008  
Next Scheduled EDR Contact: 07/21/2008  
Data Release Frequency: No Update Planned

### **SWRCY:** Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 04/07/2008  
Date Data Arrived at EDR: 04/09/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 27

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 07/10/2008  
Next Scheduled EDR Contact: 10/06/2008  
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: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
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: 05/05/2008  
Next Scheduled EDR Contact: 08/04/2008  
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: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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: 04/01/2008  
Date Data Arrived at EDR: 04/23/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 13

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/03/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/23/2008  
Next Scheduled EDR Contact: 09/22/2008  
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: 05/12/2008  
Next Scheduled EDR Contact: 08/11/2008  
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: 07/09/2008  
Next Scheduled EDR Contact: 10/06/2008  
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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 04/08/2008  
Date Data Arrived at EDR: 04/09/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 07/11/2008  
Next Scheduled EDR Contact: 10/06/2008  
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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### 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: 04/08/2008  
Date Data Arrived at EDR: 04/09/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 07/11/2008  
Next Scheduled EDR Contact: 10/06/2008  
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  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 07/09/2008  
Next Scheduled EDR Contact: 10/06/2008  
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  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 05/12/2008  
Next Scheduled EDR Contact: 08/11/2008  
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  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 04/21/2008  
Next Scheduled EDR Contact: 07/21/2008  
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: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 05/27/2008  
Next Scheduled EDR Contact: 08/25/2008  
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: 04/08/2008	Source: SWRCB
Date Data Arrived at EDR: 04/09/2008	Telephone: 916-480-1028
Date Made Active in Reports: 05/01/2008	Last EDR Contact: 07/10/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/06/2008
	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: 06/23/2008	Source: Department of Public Health
Date Data Arrived at EDR: 06/23/2008	Telephone: 707-463-4466
Date Made Active in Reports: 07/02/2008	Last EDR Contact: 06/23/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/22/2008
	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

### **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: 04/28/2008
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

### **LIENS:** Environmental Liens Listing

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

Date of Government Version: 05/05/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2008	Telephone: 916-323-3400
Date Made Active in Reports: 06/20/2008	Last EDR Contact: 05/05/2008
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/04/2008
	Data Release Frequency: Varies

### **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: 12/31/2007  
Date Data Arrived at EDR: 05/09/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 42

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 05/02/2008  
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: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
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: 04/01/2008  
Date Data Arrived at EDR: 04/02/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 12

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 05/27/2008  
Date Data Arrived at EDR: 05/28/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/28/2008  
Next Scheduled EDR Contact: 08/25/2008  
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: 07/03/2008  
Next Scheduled EDR Contact: 08/11/2008  
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: 02/26/2008  
Date Data Arrived at EDR: 04/23/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 04/23/2008  
Next Scheduled EDR Contact: 07/21/2008  
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: 12/31/2007  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 14

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 04/21/2008  
Next Scheduled EDR Contact: 07/21/2008  
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: 05/27/2008  
Date Data Arrived at EDR: 05/28/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/28/2008  
Next Scheduled EDR Contact: 08/25/2008  
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: 05/09/2008  
Next Scheduled EDR Contact: 08/04/2008  
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: 04/18/2008  
Next Scheduled EDR Contact: 07/14/2008  
Data Release Frequency: Varies

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

A listing of registered waste tire haulers.

Date of Government Version: 04/28/2008  
Date Data Arrived at EDR: 04/29/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 7

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 09/08/2008  
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: 05/27/2008  
Date Data Arrived at EDR: 05/28/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 23

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/28/2008  
Next Scheduled EDR Contact: 08/25/2008  
Data Release Frequency: Quarterly

### **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: 05/09/2008  
Next Scheduled EDR Contact: 08/04/2008  
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: 05/27/2008  
Next Scheduled EDR Contact: 08/25/2008  
Data Release Frequency: Varies

#### **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  
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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Quarterly

#### **INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 17

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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  
Date Data Arrived at EDR: 02/26/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 20

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Quarterly

#### **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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008	Source: EPA Region 7
Date Data Arrived at EDR: 03/27/2008	Telephone: 913-551-7003
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

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

Date of Government Version: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-8677
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Semi-Annually

### **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	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: 05/19/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

### **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: 05/19/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

### **INDIAN UST R4:** Underground Storage Tanks on Indian Land No description is available for this data

Date of Government Version: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-9424
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Semi-Annually

### **INDIAN UST R10:** Underground Storage Tanks on Indian Land No description is available for this data

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: 05/19/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 08/18/2008
	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	Source: EPA Region 8
Date Data Arrived at EDR: 03/04/2008	Telephone: 303-312-6137
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/28/2008  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 17

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Varies

### 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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Quarterly

### INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 03/07/2008  
Next Scheduled EDR Contact: 07/21/2008  
Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 03/07/2008  
Next Scheduled EDR Contact: 07/21/2008  
Data Release Frequency: Varies

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## 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  
Date Data Arrived at EDR: 01/29/2008  
Date Made Active in Reports: 02/14/2008  
Number of Days to Update: 16

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 05/05/2008  
Next Scheduled EDR Contact: 07/21/2008  
Data Release Frequency: Semi-Annually

#### **Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/28/2008  
Date Data Arrived at EDR: 01/29/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 10

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 05/05/2008  
Next Scheduled EDR Contact: 07/21/2008  
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: 06/03/2008  
Date Data Arrived at EDR: 06/05/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 15

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 05/27/2008  
Next Scheduled EDR Contact: 08/25/2008  
Data Release Frequency: Semi-Annually

### **FRESNO COUNTY:**

#### **CUPA Resources List**

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2008  
Date Data Arrived at EDR: 04/18/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 18

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 04/18/2008  
Next Scheduled EDR Contact: 07/14/2008  
Data Release Frequency: Semi-Annually

### **KERN COUNTY:**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 06/02/2008  
Date Data Arrived at EDR: 06/03/2008  
Date Made Active in Reports: 07/02/2008  
Number of Days to Update: 29

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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  
Date Data Arrived at EDR: 07/07/1999  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 02/28/2008  
Date Data Arrived at EDR: 04/16/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 20

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 05/12/2008  
Next Scheduled EDR Contact: 08/11/2008  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 05/12/2008  
Date Data Arrived at EDR: 05/27/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 24

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 05/14/2008  
Next Scheduled EDR Contact: 08/11/2008  
Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2008  
Date Data Arrived at EDR: 03/20/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 25

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 06/09/2008  
Next Scheduled EDR Contact: 09/08/2008  
Data Release Frequency: Varies

### Site Mitigation List

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

Date of Government Version: 02/14/2008  
Date Data Arrived at EDR: 04/10/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 26

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 05/12/2008  
Next Scheduled EDR Contact: 08/11/2008  
Data Release Frequency: Annually

### City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/27/2008  
Date Data Arrived at EDR: 06/10/2008  
Date Made Active in Reports: 07/02/2008  
Number of Days to Update: 22

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 05/27/2008  
Next Scheduled EDR Contact: 08/11/2008  
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  
Date Data Arrived at EDR: 10/23/2003  
Date Made Active in Reports: 11/26/2003  
Number of Days to Update: 34

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 05/21/2008  
Next Scheduled EDR Contact: 08/18/2008  
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  
Date Data Arrived at EDR: 02/27/2008  
Date Made Active in Reports: 03/14/2008  
Number of Days to Update: 16

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 05/27/2008  
Next Scheduled EDR Contact: 08/11/2008  
Data Release Frequency: Semi-Annually

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 05/07/2008  
Date Data Arrived at EDR: 05/27/2008  
Date Made Active in Reports: 07/02/2008  
Number of Days to Update: 36

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 04/28/2008  
Next Scheduled EDR Contact: 07/28/2008  
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: 04/24/2008  
Date Data Arrived at EDR: 04/25/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 11

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 07/09/2008  
Next Scheduled EDR Contact: 09/22/2008  
Data Release Frequency: Semi-Annually

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 07/09/2008  
Next Scheduled EDR Contact: 09/22/2008  
Data Release Frequency: Annually

## ORANGE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 06/02/2008  
Date Data Arrived at EDR: 06/13/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 7

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 06/04/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: Annually

## List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/02/2008  
Date Data Arrived at EDR: 06/16/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 4

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 06/04/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: Quarterly

## List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/02/2008  
Date Data Arrived at EDR: 06/13/2008  
Date Made Active in Reports: 07/14/2008  
Number of Days to Update: 31

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 06/04/2008  
Next Scheduled EDR Contact: 09/01/2008  
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  
Date Data Arrived at EDR: 07/23/2007  
Date Made Active in Reports: 08/09/2007  
Number of Days to Update: 17

Source: Placer County Health and Human Services  
Telephone: 530-889-7312  
Last EDR Contact: 06/16/2008  
Next Scheduled EDR Contact: 09/15/2008  
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  
Date Data Arrived at EDR: 08/07/2007  
Date Made Active in Reports: 09/26/2007  
Number of Days to Update: 50

Source: Department of Public Health  
Telephone: 951-358-5055  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 05/13/2008  
Date Data Arrived at EDR: 05/15/2008  
Date Made Active in Reports: 07/02/2008  
Number of Days to Update: 48

Source: Health Services Agency  
Telephone: 951-358-5055  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Contaminated Sites

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

Date of Government Version: 05/06/2008  
Date Data Arrived at EDR: 05/08/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 43

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 05/02/2008  
Next Scheduled EDR Contact: 07/28/2008  
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: 05/06/2008  
Date Data Arrived at EDR: 05/08/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 43

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 05/02/2008  
Next Scheduled EDR Contact: 07/28/2008  
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: 03/18/2008  
Date Data Arrived at EDR: 03/19/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 26

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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  
Date Data Arrived at EDR: 05/18/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 29

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 07/03/2008  
Next Scheduled EDR Contact: 09/29/2008  
Data Release Frequency: Quarterly

### 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: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/08/2008  
Date Data Arrived at EDR: 05/06/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 45

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 07/03/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 06/02/2008  
Date Data Arrived at EDR: 06/03/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 17

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 06/02/2008  
Date Data Arrived at EDR: 06/03/2008  
Date Made Active in Reports: 07/14/2008  
Number of Days to Update: 41

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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: 06/12/2008  
Date Data Arrived at EDR: 06/13/2008  
Date Made Active in Reports: 07/02/2008  
Number of Days to Update: 19

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 10/13/2008  
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: 06/18/2008  
Date Data Arrived at EDR: 06/18/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 2

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 07/09/2008  
Next Scheduled EDR Contact: 10/06/2008  
Data Release Frequency: Annually

### Fuel Leak List

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

Date of Government Version: 04/10/2008  
Date Data Arrived at EDR: 04/11/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 25

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 07/09/2008  
Next Scheduled EDR Contact: 10/06/2008  
Data Release Frequency: Semi-Annually

## SANTA CLARA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 06/23/2008  
Next Scheduled EDR Contact: 09/22/2008  
Data Release Frequency: No Update Planned

### LOP Listing

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

Date of Government Version: 04/28/2008  
Date Data Arrived at EDR: 04/29/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 7

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 07/09/2008  
Next Scheduled EDR Contact: 09/22/2008  
Data Release Frequency: Varies

### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 06/06/2008  
Date Data Arrived at EDR: 06/10/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 10

Source: City of San Jose Fire Department  
Telephone: 408-277-4659  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
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: 04/04/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 14

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/23/2008  
Next Scheduled EDR Contact: 09/22/2008  
Data Release Frequency: Quarterly

#### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 04/04/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/01/2008  
Number of Days to Update: 9

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/23/2008  
Next Scheduled EDR Contact: 09/22/2008  
Data Release Frequency: Quarterly

### SONOMA COUNTY:

#### Leaking Underground Storage Tank Sites

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

Date of Government Version: 04/30/2008  
Date Data Arrived at EDR: 05/02/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 49

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 04/21/2008  
Next Scheduled EDR Contact: 07/21/2008  
Data Release Frequency: Quarterly

### SUTTER COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007  
Date Data Arrived at EDR: 05/04/2007  
Date Made Active in Reports: 05/24/2007  
Number of Days to Update: 20

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 06/30/2008  
Next Scheduled EDR Contact: 09/29/2008  
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: 02/27/2008  
Date Data Arrived at EDR: 03/25/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 20

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 06/11/2008  
Next Scheduled EDR Contact: 09/08/2008  
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  
Date Data Arrived at EDR: 08/29/2007  
Date Made Active in Reports: 09/26/2007  
Number of Days to Update: 28

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 05/19/2008  
Next Scheduled EDR Contact: 08/18/2008  
Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/27/2008  
Date Data Arrived at EDR: 03/25/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 20

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 06/11/2008  
Next Scheduled EDR Contact: 09/08/2008  
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: 03/26/2008  
Date Data Arrived at EDR: 04/09/2008  
Date Made Active in Reports: 05/01/2008  
Number of Days to Update: 22

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 07/11/2008  
Next Scheduled EDR Contact: 10/06/2008  
Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 05/13/2008  
Date Data Arrived at EDR: 05/30/2008  
Date Made Active in Reports: 07/02/2008  
Number of Days to Update: 33

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 07/14/2008  
Next Scheduled EDR Contact: 07/14/2008  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 06/13/2008  
Next Scheduled EDR Contact: 09/08/2008  
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: 05/27/2008  
Date Data Arrived at EDR: 05/29/2008  
Date Made Active in Reports: 07/10/2008  
Number of Days to Update: 42

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/29/2008  
Next Scheduled EDR Contact: 08/25/2008  
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: 06/09/2008  
Next Scheduled EDR Contact: 09/08/2008  
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: 06/16/2008  
Next Scheduled EDR Contact: 09/15/2008  
Data Release Frequency: Annually

### **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: 07/09/2008  
Next Scheduled EDR Contact: 10/06/2008  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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.

## **STREET AND ADDRESS INFORMATION**

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

### **TARGET PROPERTY ADDRESS**

99-HOUGHTON LLC PROPERTY  
STATE HIGHWAY 99 AT HOUGHTON ROAD  
BAKERSFIELD, CA 93307

### **TARGET PROPERTY COORDINATES**

Latitude (North):	35.24528 - 35° 14' 43.0"
Longitude (West):	119.01444 - 119° 0' 52.0"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	316712.2
UTM Y (Meters):	3901905.8
Elevation:	336 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	35119-B1 CONNER, CA
Most Recent Revision:	1973
North Map:	35119-C1 GOSFORD, CA
Most Recent Revision:	1973
Northeast Map:	35118-C8 LAMONT, CA
Most Recent Revision:	1992
East Map:	35118-B8 WEED PATCH, CA
Most Recent Revision:	1992

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).

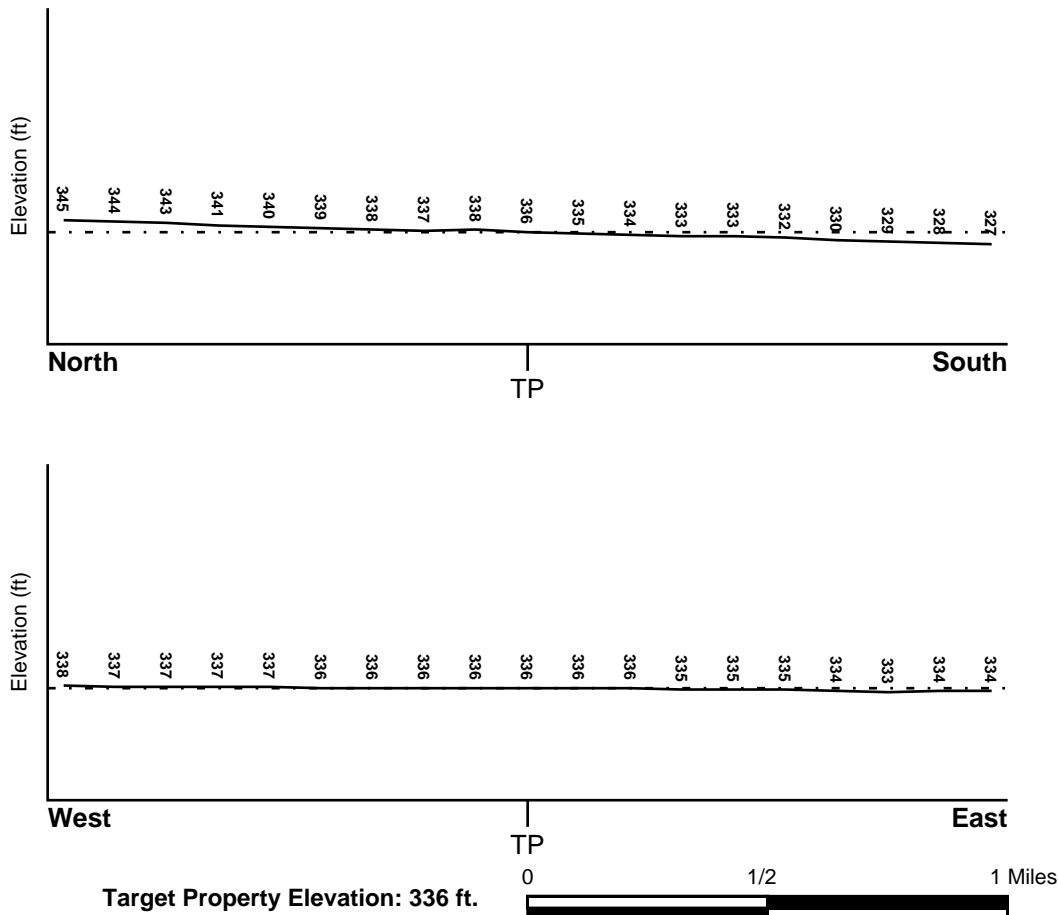
### TOPOGRAPHIC INFORMATION

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 SSE

### 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

Target Property County  
KERN, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0600751275B

Additional Panels in search area: Not Reported

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
CONNER

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### *Site-Specific Hydrogeological Data\*:*

Search Radius: 1.25 miles  
Status: Not found

### AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## 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 (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: KIMBERLINA

Soil Surface Texture: fine sandy 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. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
2	9 inches	45 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
3	45 inches	71 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 8.40 Min: 7.90

### OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: sandy loam  
clay  
clay loam  
loamy sand  
gravelly - sandy loam

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

Shallow Soil Types: loam  
sand  
loamy sand

Deeper Soil Types: clay

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### 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>
B3	USGS3175548	1/2 - 1 Mile NNW
A5	USGS3175711	1/2 - 1 Mile SE
6	USGS3175708	1/2 - 1 Mile SE
C7	USGS3175531	1/2 - 1 Mile West
10	USGS3175695	1/2 - 1 Mile SSW
D14	USGS3175544	1/2 - 1 Mile ENE
F15	USGS3175702	1/2 - 1 Mile SE
E16	USGS3175707	1/2 - 1 Mile SE
G19	USGS3175683	1/2 - 1 Mile South
H21	USGS3175705	1/2 - 1 Mile SE
22	USGS3175694	1/2 - 1 Mile SE
23	USGS3175555	1/2 - 1 Mile NE
H25	USGS3175703	1/2 - 1 Mile SE
I26	USGS3175547	1/2 - 1 Mile WNW
J28	USGS3175558	1/2 - 1 Mile NE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	17847	1/2 - 1 Mile ENE
A2	CADW20000020804	1/2 - 1 Mile SE
B4	CADW20000020892	1/2 - 1 Mile NNW
D8	CADW20000020873	1/2 - 1 Mile ENE
C9	CADW20000020822	1/2 - 1 Mile West
E11	CADW20000020792	1/2 - 1 Mile SE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
E12	CADW20000020795	1/2 - 1 Mile SE
F13	CADW20000020784	1/2 - 1 Mile SE
E17	CADW20000020788	1/2 - 1 Mile SE
18	17846	1/2 - 1 Mile NNE
G20	CADW20000020751	1/2 - 1 Mile South
I24	CADW20000020877	1/2 - 1 Mile WNW
I27	CADW20000020879	1/2 - 1 Mile WNW
J29	CADW20000020943	1/2 - 1 Mile NE
30	CADW20000020957	1/2 - 1 Mile NNE

### OTHER STATE DATABASE INFORMATION

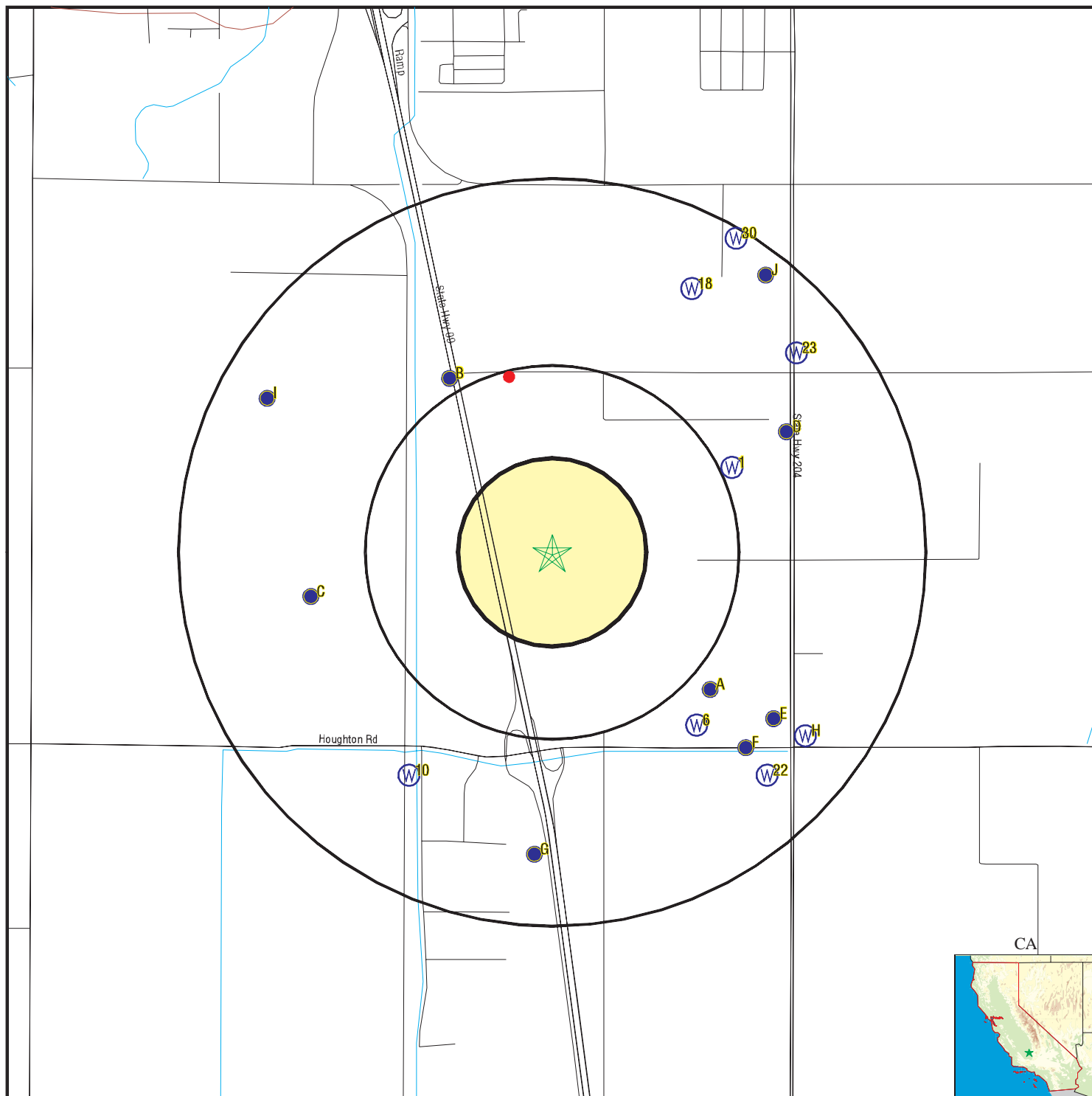
### STATE OIL/GAS WELL INFORMATION

DISTANCE  
FROM TP (Miles)

1/4 - 1/2 Mile NNW

DISTANCE  
FROM TP (Miles)

# PHYSICAL SETTING SOURCE MAP - 2258006.1s



- 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: 99-Houghton LLC Property  
 ADDRESS: State Highway 99 at Houghton Road  
 Bakersfield CA 93307  
 LAT/LONG: 35.2453 / 119.0144

CLIENT: McIntosh & Associates  
 CONTACT: Dayne L. Frary  
 INQUIRY #: 2258006.1s  
 DATE: July 15, 2008 11:44 am



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**1**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS 17847**

## Water System Information:

Prime Station Code:	31S/28E-07A01 M	User ID:	15C
FRDS Number:	1500111001	County:	Kern
District Number:	45	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	351455.0 1190018.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 01 UNION AVE		
System Number:	1500111		
System Name:	JOHN IRWIN WATER COMPANY		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		
Sample Collected:	05/03/2005 00:00:00	Findings:	25 PCI/L
Chemical:	URANIUM (PCI/L)		

**A2**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS CADW20000020804**

Longitude:	119.0065
Latitude:	35.24
Stwellno:	31S28E07P001M
Districtco:	3
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020804

**B3**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS3175548**

Agency cd:	USGS	Site no:	351507119010701
Site name:	031S028E07D001M		
Latitude:	351507		
Longitude:	1190107	Dec lat:	35.25190609
Dec lon:	-119.01954753	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	SES07 T31S R28E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	339.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
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

**B4  
NNW  
1/2 - 1 Mile  
Higher**

**CA WELLS      CADW20000020892**

Longitude:	119.0181
Latitude:	35.2522
Stwellno:	31S28E07D001M
Districtco:	8
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020892

**A5  
SE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS3175711**

Agency cd:	USGS	Site no:	351424119002001
Site name:	031S028E07P001M		
Latitude:	351424		
Longitude:	1190020	Dec lat:	35.23996187
Dec lon:	-119.00649164	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S07 T31S R28E M
Location map:	EDISON MARICOPA DATA	Map scale:	55000
Altitude:	331.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19510101
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:	91.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 0000-00-00  
 Ground water data begin date: 1952-12-02  
 Ground water data count: 1

Water quality data begin date: 0000-00-00  
 Water quality data count: 0  
 Ground water data end date: 1952-12-02

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1952-12-02	18.40	

**6**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3175708**

Agency cd:	USGS	Site no:	351419119002401
Site name:	031S028E18A001M		
Latitude:	351419		
Longitude:	1190024	Dec lat:	35.23857303
Dec lon:	-119.00760279	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	NES18 T31S R28E M
Location map:	EDISON MARICOPA DATA	Map scale:	55000
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19500101
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:	204	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
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

**C7**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3175531**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	351437119012801
Site name:	031S027E12J001M		
Latitude:	351437		
Longitude:	1190128	Dec lat:	35.24357303
Dec lon:	-119.02538109	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S12 T31S R27E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1949
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:	362	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1961-02-02	Ground water data end date:	1961-02-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1961-02-02	57.00	

**D8**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADW20000020873**

Longitude:	119.0029
Latitude:	35.25
Stwellno:	31S28E08E001M
Districtco:	3
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020873

**C9**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      CADW20000020822**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude: 119.0254  
Latitude: 35.2436  
Stwellno: 31S27E12J001M  
Districtco: 8  
Welluseco: Z  
Countycode: 15  
Gwcode: 502214  
Site id: CADW20000020822

**10**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3175695**

Agency cd:	USGS	Site no:	351412119011301
Site name:	031S028E18D001M		
Latitude:	351412		
Longitude:	1190113	Dec lat:	35.23662875
Dec lon:	-119.02121433	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	CONNER	Map scale:	24000
Altitude:	330		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19831111
Date inventoried:	19860605	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:	300	Hole depth:	301
Source of depth data:	driller		
Project number:	470645674		
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:	1986-07-20
Water quality data end date:	1986-07-20	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**E11**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS CADW20000020792**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude: 119.0036  
Latitude: 35.2389  
Stwellno: 31S28E07R004M  
Districtco: 8  
Welluseco: Z  
Countycode: 15  
Gwcode: 502214  
Site id: CADW20000020792

**E12  
SE  
1/2 - 1 Mile  
Lower**

**CA WELLS CADW20000020795**

Longitude: 119.0034  
Latitude: 35.2391  
Stwellno: 31S28E07R002M  
Districtco: 3  
Welluseco: Z  
Countycode: 15  
Gwcode: 502214  
Site id: CADW20000020795

**F13  
SE  
1/2 - 1 Mile  
Lower**

**CA WELLS CADW20000020784**

Longitude: 119.0048  
Latitude: 35.2377  
Stwellno: 31S28E07R001M  
Districtco: 3  
Welluseco: Z  
Countycode: 15  
Gwcode: 502214  
Site id: CADW20000020784

**D14  
ENE  
1/2 - 1 Mile  
Higher**

**FED USGS USGS3175544**

Agency cd:	USGS	Site no:	351500119000701
Site name:	031S028E08E001M		
Latitude:	351500		
Longitude:	1190007	Dec lat:	35.24996156
Dec lon:	-119.00288038	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S08 T31S R28E M
Location map:	EDISON MARICOPA DATA	Map scale:	55000

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 334.00  
 Altitude method: Interpolated from topographic map  
 Altitude accuracy: 52  
 Altitude datum: National Geodetic Vertical Datum of 1929  
 Hydrologic: TulareBuena Vista Lakes. California. Area = 8510 sq.mi.  
 Topographic: Not Reported  
 Site type: Ground-water other than Spring Date construction: 19520101  
 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: 157 Hole depth: Not Reported  
 Source of depth data: Not Reported  
 Project number: Not Reported  
 Real time data flag: 0 Daily flow data begin date: 0000-00-00  
 Daily flow data end date: 0000-00-00 Daily flow data count: 0  
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00  
 Peak flow data count: 0 Water quality data begin date: 0000-00-00  
 Water quality data end date: 0000-00-00 Water quality data count: 0  
 Ground water data begin date: 1952-06-01 Ground water data end date: 1952-06-01  
 Ground water data count: 1

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1952-06-01	35.00		1952-06-01	35.00	

**F15**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3175702**

Agency cd: USGS Site no: 351416119001401  
 Site name: 031S028E07R001M  
 Latitude: 351416 Dec lat: 35.2377397  
 Longitude: 1190014 Coor meth: M  
 Dec lon: -119.00482493 Latlong datum: NAD27  
 Coor acc: S District: 06  
 Dec latlong datum: NAD83 County: 029  
 State: 06 Land net: S07 T31S R28E M  
 Country: US Map scale: 63360  
 Location map: KERN RIVER F2  
 Altitude: 331.00  
 Altitude method: Interpolated from topographic map  
 Altitude accuracy: 52  
 Altitude datum: National Geodetic Vertical Datum of 1929  
 Hydrologic: TulareBuena Vista Lakes. California. Area = 8510 sq.mi.  
 Topographic: Not Reported  
 Site type: Ground-water other than Spring Date construction: 1951  
 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: 91.0 Hole depth: Not Reported  
 Source of depth data: Not Reported  
 Project number: Not Reported  
 Real time data flag: 0 Daily flow data begin date: 0000-00-00  
 Daily flow data end date: 0000-00-00 Daily flow data count: 0  
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
Water quality data end date: 0000-00-00  
Ground water data begin date: 1961-02-23  
Ground water data count: 1

Water quality data begin date: 0000-00-00  
Water quality data count: 0  
Ground water data end date: 1961-02-23

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel
1961-02-23	37.00	

Date	Feet below Surface	Feet to Sealevel
1961-02-23	37.00	

**E16**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3175707**

Agency cd:	USGS	Site no:	351419119001401
Site name:	031S028E07R002M		
Latitude:	351421		
Longitude:	1190009	Dec lat:	35.23912854
Dec lon:	-119.003436	Coor meth:	M
Coor acc:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S07 T31S R28E M
Location map:	KERN RIVER	Map scale:	63360
Altitude:	333.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1950
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:	ALLUVIUM ABOVE E-CLAY		
Well depth:	132	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1957-10-03
Water quality data end date:	1957-10-03	Water quality data count:	1
Ground water data begin date:	1961-02-23	Ground water data end date:	1961-02-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel
1961-02-23	36.00	

Date	Feet below Surface	Feet to Sealevel
1961-02-23	36.00	

**E17**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS CADW20000020788**



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude: 119.0026  
 Latitude: 35.2383  
 Stwellno: 31S28E08N002M  
 Districtco: 3  
 Welluseco: Z  
 Countycode: 15  
 Gwcode: 502214  
 Site id: CADW20000020788

18  
 NNE  
 1/2 - 1 Mile  
 Higher

CA WELLS 17846

### Water System Information:

Prime Station Code:	31S/28E-06B02 M	User ID:	CYA
FRDS Number:	1510024004	County:	Kern
District Number:	12	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Treated
Source Lat/Long:	351520.0 1190025.0	Precision:	100 Feet (one Second)
Source Name:	TAFT WELL - TREATED		
System Number:	1510024		
System Name:	GREENFIELD COUNTY WD		
Organization That Operates System:	551 TAFT HIGHWAY BAKERSFIELD, CA 93307		
Pop Served:	6000	Connections:	1061
Area Served:	SOUTH BAKERSFIELD		
Sample Collected:	06/11/2002 00:00:00	Findings:	5.94 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/11/2002 00:00:00	Findings:	1.45 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/28/2002 00:00:00	Findings:	6.82 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/28/2002 00:00:00	Findings:	1.42 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/11/2002 00:00:00	Findings:	4.81 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/11/2002 00:00:00	Findings:	1.15 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/18/2003 00:00:00	Findings:	485 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/18/2003 00:00:00	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	06/18/2003 00:00:00	Findings:	160 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	06/18/2003 00:00:00	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/18/2003 00:00:00	Findings:	140 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	06/18/2003 00:00:00	Findings:	43 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/18/2003 00:00:00	Findings:	8 MG/L
Chemical:	MAGNESIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/18/2003 00:00:00	Findings:	47 MG/L
Chemical:	SODIUM		
Sample Collected:	06/18/2003 00:00:00	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/18/2003 00:00:00	Findings:	24 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/18/2003 00:00:00	Findings:	.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/18/2003 00:00:00	Findings:	11 UG/L
Chemical:	ARSENIC		
Sample Collected:	06/18/2003 00:00:00	Findings:	116 UG/L
Chemical:	BARIUM		
Sample Collected:	06/18/2003 00:00:00	Findings:	170 UG/L
Chemical:	BORON		
Sample Collected:	06/18/2003 00:00:00	Findings:	14 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/18/2003 00:00:00	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/18/2003 00:00:00	Findings:	.2
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06/18/2003 00:00:00	Findings:	11.3 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2002 00:00:00	Findings:	5.49 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/22/2002 00:00:00	Findings:	1.25 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/02/2005 00:00:00	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/02/2005 00:00:00	Findings:	.3
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	11/02/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/02/2005 00:00:00	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	11/02/2005 00:00:00	Findings:	2700 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05/17/2007 00:00:00	Findings:	- .27 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	06/18/2003 00:00:00	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/18/2003 00:00:00	Findings:	2600 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05/12/2004 00:00:00	Findings:	7 UG/L
Chemical:	ARSENIC		
Sample Collected:	05/10/2005 00:00:00	Findings:	12.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/02/2005 00:00:00	Findings:	482 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/02/2005 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/02/2005 00:00:00	Findings:	160 MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO <sub>3</sub>		
Sample Collected:	11/02/2005 00:00:00	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/02/2005 00:00:00	Findings:	138 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO <sub>3</sub>		
Sample Collected:	11/02/2005 00:00:00	Findings:	42 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/02/2005 00:00:00	Findings:	8 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/02/2005 00:00:00	Findings:	46 MG/L
Chemical:	SODIUM		
Sample Collected:	11/02/2005 00:00:00	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/02/2005 00:00:00	Findings:	23 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/02/2005 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	11/02/2005 00:00:00	Findings:	11 UG/L
Chemical:	ARSENIC		
Sample Collected:	11/02/2005 00:00:00	Findings:	117 UG/L
Chemical:	BARIUM		
Sample Collected:	11/02/2005 00:00:00	Findings:	14 UG/L
Chemical:	VANADIUM		

**G19**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3175683**

Agency cd:	USGS	Site no:	351401119005001
Site name:	031S028E18F001M		
Latitude:	351401		
Longitude:	1190050	Dec lat:	35.23357323
Dec lon:	-119.01482526	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S18 T31S R28E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	327.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1951
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:	244	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
Water quality data end date: 0000-00-00  
Ground water data begin date: 1961-02-07  
Ground water data count: 1

Water quality data begin date: 0000-00-00  
Water quality data count: 0  
Ground water data end date: 1961-02-07

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-02-07	53.00	

### G20 South 1/2 - 1 Mile Lower

CA WELLS

CADW20000020751

Longitude: 119.0148  
Latitude: 35.2336  
Stwellno: 31S28E18F001M  
Districtco: 8  
Welluseco: Z  
Countycode: 15  
Gwcode: 502214  
Site id: CADW20000020751

### H21 SE 1/2 - 1 Mile Lower

FED USGS

USGS3175705

Agency cd:	USGS	Site no:	351418119000601
Site name:	031S028E08N002M		
Latitude:	351418		
Longitude:	1190006	Dec lat:	35.23829522
Dec lon:	-119.00260264	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	Not Reported
Location map:	CONNER	Map scale:	24000
Altitude:	330		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19751014
Date inventoried:	19890405	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:	14.0	Hole depth:	Not Reported
Source of depth data:	other government (other than USGS)		
Project number:	470645674		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 0000-00-00  
 Ground water data begin date: 1989-04-05  
 Ground water data count: 1

Water quality data begin date: 0000-00-00  
 Water quality data count: 0  
 Ground water data end date: 1989-04-05

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>					
1989-04-05					
Note: The site was dry (no water level recorded).					
1989-04-05					
Note: The site was dry (no water level recorded).					

**22**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3175694**

Agency cd: USGS	Site no: 351410119001601	
Site name: 031S028E18A002M		
Latitude: 351412		
Longitude: 1190012	Dec lat: 35.23662862	
Dec lon: -119.00426937	Coor meth: M	
Coor acc: S	Latlong datum: NAD27	
Dec latlong datum: NAD83	District: 06	
State: 06	County: 029	
Country: US	Land net: NES18 T31S R28E M	
Location map: KERN RIVER F2	Map scale: 63360	
Altitude: 331.00		
Altitude method: Interpolated from topographic map		
Altitude accuracy: 52		
Altitude datum: National Geodetic Vertical Datum of 1929		
Hydrologic: TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic: Not Reported		
Site type: Ground-water other than Spring	Date construction: 1957	
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: Not Reported	
Source of depth data: Not Reported		
Project number: Not Reported		
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

**23**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3175555**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	35151119000701
Site name:	031S028E05N001M		
Latitude:	351511		
Longitude:	1190007	Dec lat:	35.25301704
Dec lon:	-119.00288033	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S05 T31S R28E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	338.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1958
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:	230	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
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

**I24**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS**      **CADW20000020877**

Longitude:	119.0267
Latitude:	35.2511
Stwellno:	31S27E12K001M
Districtco:	8
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020877

**H25**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS**      **USGS3175703**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	351417119000501
Site name:	031S028E08N001M		
Latitude:	351417		
Longitude:	1190005	Dec lat:	35.23801745
Dec lon:	-119.00232486	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S08 T31S R28E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	324.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1952
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:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**I26**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS3175547**

Agency cd:	USGS	Site no:	351505119013601
Site name:	031S027E12B001M		
Latitude:	351505		
Longitude:	1190136	Dec lat:	35.25135061
Dec lon:	-119.02760334	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	NWS12 T31S R27E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	340.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1961-02-21	Ground water data end date:	1961-02-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1961-02-21	53.00	

**I27**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS**

**CADW20000020879**

Longitude:	119.0276
Latitude:	35.2514
Stwellno:	31S27E12B001M
Districtco:	3
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020879

**J28**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS**

**USGS3175558**

Agency cd:	USGS	Site no:	351520119001301
Site name:	031S028E06R001M		
Latitude:	351520		
Longitude:	1190013	Dec lat:	35.255517
Dec lon:	-119.00454702	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	029
Country:	US	Land net:	S06 T31S R28E M
Location map:	KERN RIVER F2	Map scale:	63360
Altitude:	340.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	52		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	TulareBuena Vista Lakes. California. Area = 8510 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1954
Date inventoried:	Not Reported	Mean greenwich time offset:	PST



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	184	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
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

**J29**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADW20000020943**

Longitude:	119.0032
Latitude:	35.2566
Stwellno:	31S28E05M001M
Districtco:	3
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020943

**30**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADW20000020957**

Longitude:	119.0048
Latitude:	35.2575
Stwellno:	31S28E06J001M
Districtco:	8
Welluseco:	Z
Countycode:	15
Gwcode:	502214
Site id:	CADW20000020957

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction  
Distance

Database EDR ID Number

### NNW

1/4 - 1/2 Mile

OIL\_GAS

CAOG40000092469

Apinumber:	02932362	Operator:	Big McKittrick Oil Co.
Lease:	Sea Cliff-Houghton	Well no:	1
Field:	Not Reported	Cagasoil m2 area:	Not Reported
Map:	W4-2		
Status:	Plugged and abandoned-dry hole		
Source:	hud		
Latitude:	35.252124		
Longitude:	-119.015545		
Td:	0		
Sec:	7		
Twn:	31S	Rge:	28E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	05/30/1921 00:00:00
Abanddate:	11/18/1950 00:00:00	Comments:	Not Reported
District:	4	Site id:	CAOG40000092469

# 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
93307	8	0	0.00

Federal EPA Radon Zone for KERN County: 2

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

Federal Area Radon Information for Zip Code: 93307

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.217 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

## 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.

## 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.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## **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.

## **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.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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## **APPENDIX C**

### **California DOGGR File for Onsite Dry Hole “Sea Cliff-Houghton” 1**

## COMPLETION REPORT—NEW WELL

BIG MCKITTRICK OIL COMPANY

FIELD ~~Greenfield~~  
*Sea Cliff -*  
PROPERTY *Haughton*~~CHANDLER OIL FIELD MIDWAY OIL COMPANY~~

WELL NO. 1 SEC. 7 T31-S R.28-E M.D. B &amp; M

LOCATION 340' S. &amp; 3630' W. - N.E. Cor. ELEV. 342'

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK DONE ON THIS WELL

COMMENCED: RIGGING UP - COMMENCED DRILLING Nov. 25, 1934

COMPLETED: RIGGING UP - COMPLETED DRILLING June 5, 1935

DEPTH 6756' PLUGGED TO DATE OF INITIAL PRODUCTION None.

PRODUCTION (DAILY AVERAGE 1ST 30 DAYS) { FLOWING } BBL. OIL: BBL. WATER: °A.P.I.  
{ PUMPING }

GAS PRODUCTION (DAILY AVERAGE 1ST 30 DAYS) M. CU. FEET GALS. GASOLINE PER M. CUBIC FEET

TUBING PRESS. CASINGHEAD PRESS. FLOW NIPPLE

No oil shows. No tests made.

## CASING RECORD

SIZE OF CASING	LENGTH OF CASING	DEPTH LANDED	CEMENTED (DEPTH IF THRU PERF)	WEIGHT PER FOOT	THREADS PER INCH	MAKE OF CASING	SEAMLESS OR LAPWELDED	MAKE OF SHOE
13"		610	610					
9"		685	685					

## CEMENTING OR OTHER SHUT-OFF RECORD

SIZE OF CASING	DEPTH LANDED	DEPTH CEMENTED	NO. SACKS USED	NO. SACKS TREATED	KIND OF CEMENT	METHOD	TIME SET DAYS	RESULT OF TEST
13"	610	610						Not tested.
9"	685	685	250	200				Not tested.

## PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED

PLUG: KIND BOTTOM TOP AT  
 ADAPTER: KIND SIZE SET AT  
 ROTARY TOOLS: FROM 0 TO 6756 FEET CABLE TOOLS: FROM TO FEET  
 SIDETRACKED PIPE AND LOST TOOL RECORD

None.

BIG MCKITTRICK OIL COMPANY  
~~CHANDLER OIL FIELD MIDWAY OIL COMPANY~~

DRILLERS NAMES ON LAST SHEET

BY *Nick Gerard Pres*

DATE July 10, 1935.

ITS AGENT



# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 2

WELL NO. *Sea Cliff* Haughton 1BIG MCKITTRICK OIL COMPANY  
~~CHANDLER OIL COMPANY~~

PROPERTY

SEC. 7 T.31SR28-E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
			Well originally called Sea Cliff Oil Co. Technical spud made Nov. 25, 1934.
0	50	50	Sand.
			Suspended operations while straightening out leases, etc. Operations resumed by BIG MCKITTRICK OIL COMPANY in January, 1935.
50	615	565	Sand and clay.
January ?, 1935, cemented 13" second hand casing at 610'.			
February 6, 1935, drilled out cement and drilled ahead with 11 5/8" bit.			
615	1016	401	Sand and gravel.
1016	2595	1579	Sand and sandy shale.
<u>CORED</u>			
2595	2618	23	No recovery. Core No. 1. Logged sandy shale.
<u>DRILLED</u>			
2618	3255	637	Sandy shale w/s sand.
<u>CORED</u>			
3255	3275	20	No recovery. Core No. 2. Logged sandy shale.
Measured out. Measurements O.K.			
3275	3286	11	8' Recovered. Core No. 3.
			1 Shell, clay, siliceous, lite brown, hard, massive, dense.
			2 Silt, lite brown, clayey and fine sandy. Friable - rather sticky.
			4 Sand, lite brown, fine to medium grained, fairly well sorted.
			Massive. Friable. Micaceous.
			1 Silt, ditto 2' above.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 3.

"Sea Cliff -"  
WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY

~~CHANDLER OIL COMPANY~~

PROPERTY

SEC. 7 T. 31S R. 28E M.D. B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
<u>DRILLED</u>			
3286	3470	184	Shale and sandy shale w/s sand.
<u>CORED</u>			
3470	3490	20	11' Recovered. Core No. 4
		11	Sand, yellow, very clayey & silty, generally fine grained. Massive. Firm - but readily friable. Few streaks reddish brown clay.
<u>DRILLED</u>			
3490	3645	155	Sand and sandy shale.
February 24, 1935, 13" casing collapsed at 30'.			
February 25, 1935 to February 27, 1935, milling thru collapsed casing.			
February 28, 1935, 9" casing cemented at 685' with 250-sxs., last 200 treated.			
March 14, 1935, Found top of cement at 648'. Drilled out and drilled new hole.			
<u>DRILLED</u>	7 5/8"	hole	
685	2077	1392	Shale and sand.
2077	2079	2	Hard sand. Gas showing.
2079	2725	646	Sand and shale.
<u>CORED</u>			
2725	2745	20	18' recovered. Core No. 5.
		11	Sand, yellow, very clayey & silty, generally fine grained, unsorted, scattered granules. Massive. Firm - but readily friable.
		5	Siltstone, blue-grey, well sorted, faintly bedded in top 1' (cross-bedding?), remainder massive. Bone ? fragments in upper 1'. Firm - but readily friable. No dip measureable.
		2	Claystone, blue-grey. Silty and fine sandy. Massive. Firm - difficultly crumbly.
2745	2768	23	17' recovered. Core No. 6.
		2	Claystone, blue-grey, silty, crumbly.
		3	Clay, green, soft, rather sticky. Bottom 6" lite yellowish-green.
		1	Sand, limey grey (nearly white), medium-grained, friable.
		3	Siltstone, lite grey, fine sandy, firm, compact.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 4.

WELL NO. Haughton 1

PROPERTY

BIG MCKITTRICK OIL COMPANY  
~~CHANDLER OIL FIELD COMPANY~~SEC. 7 T.31S R.28E B & M<sup>N.D.</sup>

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
2745	2768	23	17' recovered. Core No. 6 (Cont'd). 2 Sand, greenish-grey, medium grain, friable. 6" streak lite grey bentonitic ? clay at bottom. 3 Sand, lite grey, fine to medium, fairly well sorted, faintly cross-bedded, friable. 3 Clay, lite grey-brown to yellow-brown, firm, compact, massive, silty and fine sandy.
2768	2788	20	15' recovered. Core No. 7. 10 Clayey silt, yellow brown, fine sandy, firm, compact. 5 Siltstone, medium grey, fine sandy, firm, compact, massive.
2788	2809	21	12' recovered. Core No. 8. 2 Claystone, very lite grey, rather lite weight (ashy?), massive, very firm. 10 Siltstone, grading from blue-grey to yellow brown, very clayey, massive, firm, compact.
2809	2831	22	17' recovered. Core No. 9. 17 Sand, yellow-brown when wet - very lite grey (nearly white) when dry, fine to coarse grain, unsorted, friable.
<u>DRILLED</u>			
2831	3809	978	Sand and shale.
<u>CORED</u>			
3809	3827	18	18' recovered. Core No. 10. 16 Siltstone, blue-grey, fine very sandy, micaceous, firm. Lite brown streaks thruout. 1 Claystone, lite brown, sandy, firm. 1 Siltstone - ditto top 16'.
3827	3849	22	3' recovered. Core No. 11. 1 Siltstone, medium grey, fine sandy, faintly bedded, firm. 2 Claystone, yellow-brown, waxy luster, firm. 6" lite grey clayey sand at bottom.
3849	3871	22	21' recovered. Core No. 12. 12 Sand, very lite grey (Nearly white), unsorted, pebbly, very friable. 3 Sand, greenish-grey, fine grained, well sorted, friable. Faintly bedded. Dip 5° approx. 4 Sand, ditto top 12'. 2 Sand, green, very clayey, firm.
3871	3891	20	6' recovered. Core No. 13. 1 Claystone, yellow-brown, waxy luster.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 5.

WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY

~~CHANDLER OIL COMPANY~~

PROPERTY

SEC. 7 T.31S R.28E M.D. B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
3871	3891	20	6' recovered. Core No. 13 (Cont'd)
		2	Sand, lite grey, fine to medium grained, friable.
		3	Siltstone, lite grey, fine sandy firm.
3891	3913	22	9' recovered. Core No. 14.
		9	Siltstone, lite grey, fine sandy, mottled with lite brown streaks. Firm.
3913	3922	9	8' recovered. Core No. 15.
		8	Siltstone - ditto 9' above. Few streaks greenish-grey unsorted sand.
<u>DRILLED</u>			
3922	3957	35	Sand and shale.
<u>CORED</u>			
3957	3977	20	11' recovered. Core No. 16.
		1	Claystone, yellow-brown, very sandy, firm.
		10	Siltstone, lite grey with streaks and spots yellow-brown, firm to readily friable.
3977	4000	23	6' recovered. Core No. 17.
		1	Siltstone, ditto 10' above.
		5	Sand, greenish grey when fresh (lite grey when dry) fine to coarse grained, poorly sorted, very friable.
4000	4015	15	9' recovered. Core No. 18.
		6	Sand, green when fresh - lite grey when dry - unsorted, granulariferous and pebbly, very friable.
		3	Siltstone, dark greenish-grey, fine sandy, firm. Streaks yellow-brown.
4015	4030	15	7' recovered. Core No. 19.
		3	Claystone, lite brown, gritty, firm.
		4	Siltstone, lite grey, fine sandy, firm.
<u>DRILLED</u>			
4030	4512	482	Sand and shale.
<u>CORED</u>			
4512	4528	16	6' recovered. Core No. 20.
		6	Sand, green (fresh), unsorted, granulariferous, porous, friable. Fragment hard clayey siltstone on bottom.
<u>DRILLED</u>			
4528	4644	116	Sand and shale.

# WELL COMPLETION REPORT

## LOG AND HISTORY

Sheet 6

WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY

CHANDLER-CANELO AND MAYA, INC. COMPANY

## PROPERTY

SEC. 7 T.31S R. 28E B & M<sup>M.D.</sup>

**NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.**

FROM	TO	FEET	FORMATION DRILLED AND CORED
<u>CORED</u>			
4644	4665	21	10' recovered. Core No. 21.
		10	Claystone - very sandy, greenish brown w/ reddish brown spots. Firm - readily friable. Streaks green fine grained silty sand.
4665	4682	17	5' recovered. Core No. 22.
		3	Sand - green, very fine grained, silty and clayey. Firm.
		2	Sand, clayey, lite yellow-brown, unsorted, granu- liferous. Firm.
<u>DRILLED</u>			
4682	4861	179	Sand and shale. Hole measured O.K.
<u>CORED</u>			
4861	4881	20	4' recovered. Core No. 23.
		2	Sand, clayey, green, unsorted. Firm.
		2	Sand, lite green-grey, fine to medium, very friable.
<u>DRILLED</u>			
4881	4988	107	Sandy shale.
<u>CORED</u>			
4988	5000	12	6' recovered. Core No. 24.
		5	Sand, lite green-grey, unsorted, pebbly, very friable.
		1	Clay, reddish-brown, fine sandy, rather soft.
<u>DRILLED</u>			
5000	5010	10	Sandy shale.
<u>CORED</u>			
5010	5030	20	6' recovered. Core No. 25
		6	Sand, green-grey, unsorted, granu- liferous. Top 3' very friable, lower 3' firm - may be due to drill- ing.
<u>DRILLED</u>			
5030	5057	27	Sand.
<u>CORED</u>			
5057	5078	21	9' recovered. Core No. 26.
		3	Siltstone, green, fine sandy, firm. Streaks red-

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 7

WELL NO. *San Cliff* Haughton 1

BIG MCKITTRICK OIL COMPANY

~~ASHLAND OIL AND FIELD MIDDLEWAY OIL COMPANY~~

PROPERTY

SEC. 7 T.31S R. 28E M.D. B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
<u>5057</u>	<u>5078</u>	<u>21</u>	<u>9' recovered. Core No. 26 (Cont'd)</u> dish brown clay. 4 Clay, green, silty, soft. 2 Sand, lite grey, fine grain, firm - readily friable. 3" streak reddish-brown clay on bottom.
<u>DRILLED</u>			
<u>5078</u>	<u>5082</u>	<u>4</u>	<u>Hard sand.</u>
<u>CORED</u>			
<u>5082</u>	<u>5097</u>	<u>15</u>	<u>12' recovered. Core No. 27.</u> 6 Sand, lite grey, unsorted, fine to very coarse, friable. 3 Siltstone, medium grey with red-brown streaks, fine sandy, micaceous, firm. 3 Sand, ditto upper 6'.
<u>DRILLED</u>			
<u>5097</u>	<u>5116</u>	<u>19</u>	<u>Hard sand.</u>
<u>CORED</u>			
<u>5116</u>	<u>5136</u>	<u>20</u>	<u>13' recovered. Core No. 28.</u> 4 Sand, medium grey, clayey and silty, medium grained, friable. 3 Clay, reddish brown, sticky 6 Sand, grey - silte greenish cast, unsorted, fine to coarse, friable. 1/2" streak red-brown clay at bottom.
<u>5136</u>	<u>5157</u>	<u>21</u>	<u>18' recovered. Core No. 29.</u> 18 Sand, greenish-grey, unsorted, fine to coarse, friable.
<u>5157</u>	<u>5167</u>	<u>10</u>	<u>7' recovered. Core No. 30.</u> 6 1/2 Sand, limey grey, unsorted, fine to coarse, friable. 1/2 Siltstone, greenish-grey and reddish-brown, fine sandy, firm.
<u>5167</u>	<u>5186</u>	<u>19</u>	<u>6' recovered. Core No. 31.</u> 6 Claystone, reddish-brown, scattered coarse grains, firm.
<u>5186</u>	<u>5195</u>	<u>9</u>	<u>5' recovered. Core No. 32.</u> 5 Sand, lite grey (silte greenish cast) unsorted, fine to coarse, clayey, firm but readily friable.

# WELL COMPLETION REPORT

## LOG AND HISTORY

Sheet 8

WELL NO. Haughton' 1

BIG McKITTRICK OIL COMPANY

CHANDLER, CANFIELD MIDWAY OIL COMPANY

**PROPERTY**

SEC. 7 T.315 R. 2128 B & M

**NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.**

FROM	TO	FEET	FORMATION DRILLED AND CORED
5195	5211	16	4' recovered. Core No. 32.
		4	Sand, greenish-grey, clayey, unsorted, fine to coarse, granular, friable.
<u>DRILLED</u>			
5211	5256	45	SAND.
<u>CORED</u>			
5256	5274	18	10' recovered. Core No. 34.
		5	Sand, greenish grey, fine grained, scattered coarse grains, silty, micaceous, firm - readily friable.
		5	Claystone and clayey siltstone, reddish brown, compact, firm.
5274	5281	7	7' recovered. Core No. 35.
		5	Sand, silty, greenish grey, fine grained, micaceous, firm - readily friable. Few streaks red-brown silt.
		2	Sand, clayey, greenish grey, unsorted, firm - readily friable.
5281	5291	10	4' recovered. Core No. 36.
		3	Sand, silty, greenish grey and reddish brown, fine grained, firm.
		1	Sand, greenish grey, clayey, unsorted, friable.
5291	5307	16	9' recovered. Core No. 37.
		9	Sand, greenish-grey, unsorted, granular, friable.
5307	5320	13	10' recovered. Core No. 38.
		7	Sand - ditto 9' above.
		3	Claystone, reddish brown, unsorted sandy, compact, easily crumbled.
5320	5333	13	6' recovered. Core No. 39.
		3	Claystone - ditto lower 3' above.
		3	Sand, greenish-grey, clayey, unsorted, firm - readily friable.
<u>DRILLED</u>			
5333	5345	12	Sand.
<u>CORED</u>			
5345	5356	11	4' recovered. Core No. 40.
		4	Sand, greenish grey, clayey, unsorted, friable.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 9

WELL NO. *Sea Cliff* Haughton 1

BIG MCKITTRICK OIL COMPANY

~~MCCHANSON OIL COMPANY~~ ~~MCCHANSON OIL COMPANY~~

PROPERTY

SEC. 7 T.31S R.28E <sup>M.D.</sup> B & M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
5356	5371	15	6' recovered. Core No. 41.
		6	Sand, greenish-grey, unsorted, fine to coarse, friable.
5371	5392	21	6' recovered. Core No. 42.
		2	Claystone, reddish-brown, silty, crumbly.
		4	Sand, greenish-grey, clayey, fine to coarse, friable.
5392	5412	20	3' recovered. Core No. 43.
		3	Sand, lite grey, clayey and silty, fine to medium, firm - friable.
<u>DRILLED</u>			
5412	5515	103	Sand and shale.
<u>CORED</u>			
5515	5533	18	8' recovered. Core No. 44.
		5	Claystone, reddish-brown, unsorted sandy, compact, firm.
		3	Sand, greenish-grey, silty, fine to coarse grained, few granules, firm - friable.
<u>DRILLED</u>			
5533	5554	21	Sand.
<u>CORED</u>			
5554	5576	22	3' recovered. Core No. 45.
		3	Sand, greenish-grey, clayey, fine to coarse, friable.
<u>DRILLED</u>			
5576	5642	66	Sandy shale.
<u>CORED</u>			
5642	5656	14	9' recovered. Core No. 46.
		5	Siltstone, reddish brown, clayey and fine sandy, compact, firm.
		2	Siltstone, medium grey, fine sandy, compact, firm.
		2	Claystone, reddish brown, unsorted sandy, compact, firm.
5656	5676	20	1' recovered. Core No. 47.
		1	Claystone, reddish-brown, medium to coarse, sandy, compact, firm.



# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 10

WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY  
~~CHANDLER OIL COMPANY~~

PROPERTY

SEC. 7 T. 31S. R. 28E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
5676	5694	18	9' recovered. Core No. 48.
		3	Claystone - ditto 1' Core No. 47.
		3	Siltstone, medium grey, fine sandy, compact, firm.
		3	Claystone - ditto top 3'.
<u>DRILLED</u>			
5694	5807	113	Sand and shale.
<u>CORED</u>			
5807	5827	20	3' recovered. Core No. 49.
		3	Siltstone, greenish grey with reddish-brown spots, fine sandy with scattered medium and coarse grains, compact, very firm.
5827	5842	15	Fragments. Core No. 50.
			Fragments reddish-brown claystone.
<u>DRILLED</u>			
5842	5850	8	Sand and shale.
<u>CORED</u>			
5850	5862	12	3' recovered. Core No. 51.
		3	Siltstone, reddish-brown and greenish grey, fine and medium sandy, compact, very firm.
5862	5872	10	4' recovered. Core No. 52.
			2' Siltstone, ditto 3' above.
			1' claystone, reddish-brown, brittle.
			1' claystone, purple, medium sandy, scattered granules.
5872	5884	12	3' recovered. Core No. 53.
		3	Siltstone, greenish-grey with reddish-brown spots and streaks, fine sandy, very firm.
5884	5908	24	4' recovered. Core No. 54.
		3	Sand, greenish-grey, unsorted, fine to coarse, friable.
		1	Siltstone, reddish-brown (streaks greenish-grey), fine sandy, firm
5908	5932	24	6' recovered. Core No. 55.
		5	Sand, limey grey, clayey and silty, fine to coarse, firm - friable.
		1	Siltstone, reddish brown and greenish grey, fine sandy, firm.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 11

WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY

~~CHANDLER OIL FIELD MIDWAY OIL COMPANY~~

PROPERTY

SEC. 7 T. 31S. R. 28E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
<u>DRILLED</u>			
5932	5938	6	Sand and shale.
<u>CORED</u>			
5938	5941	3	3' recovered. Core No. 56.
		3	Siltstone, reddish brown, fine sandy, very firm.
5941	5958	17	9' recovered. Core No. 57.
		1	Sand, greenish-grey, clayey and silty, fine to medium, firm.
		2	Claystone, reddish-brown, silty and fine sandy, compact, firm.
		3	Sand, ditto top 1'.
		3	Claystone, ditto 2' above.
5958	5976	18	14' recovered. Core No. 58.
		7	Siltstone, reddish brown, fine sandy, firm.
		7	Siltstone or silty very fine sand, greenish-grey, very firm.
<u>DRILLED</u>			
5976	6036	60	Shale w/s sand.
<u>CORED</u>			
6036	6054	18	2' recovered. Core No. 59.
		2	Sand, limey grey, unsorted, fine to very coarse, friable.
<u>DRILLED</u>			
6054	6078	24	Shale.
<u>CORED</u>			
6078	6097	19	8' recovered. Core No. 60.
		4	Sand, greenish grey, unsorted, fine to very coarse, friable.
		1	Claystone, reddish brown, silty, rather sticky.
		3	Siltstone, medium grey, fine - very sandy, firm - friable.
<u>DRILLED</u>			
6097	6142	45	Sand and shale.
<u>CORED</u>			
6142	6159	17	17' recovered. Core No. 61.
		8	Sand, limey grey, clayey, unsorted, fine to coarse

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 12

WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY  
~~CHANDLER-CANTFIELD MIDWAY OIL COMPANY~~

PROPERTY

SEC. 7 T31S R. 28E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
6142	6159	17	17' recovered. Core No. 61 (Cont'd) grained friable. Fragments greenish - grey siltstone in lower 2'. 3 Claystone, reddish-brown, silty and fine to medium grained, sandy, compact, firm. 3 Sand, lite grey, clayey and silty, generally fine grained, friable. 3 Siltstone, greenish-grey, clayey and fine - very sandy, firm but readily friable.
<u>DRILLED</u>			
6159	6165	6	Sand.
<u>CORED</u>			
6165	6182	17	12' recovered. Core No. 62. 1 Claystone, reddish brown, fine sandy, compact, firm. 6 Siltstone, greenish-grey, clayey and fine - very sandy, firm. 1 Claystone - ditto top 1'. 4 Sand, lite grey, clayey and silty, generally fine grained, firm but readily friable.
<u>DRILLED</u>			
6182	6227	45	Shale w/s sand.
<u>CORED</u>			
6227	6243	16	9' recovered. Core No. 63. 6 Sand, limey grey, very clayey, unsorted fine to coarse, firm - friable. 3 Claystone, reddish brown, compact, firm, brittle.
<u>DRILLED</u>			
6243	6263	20	Tough shale and sand.
<u>CORED</u>			
6263	6279	16	14' recovered. Core No. 64. 3 Siltstone, reddish-brown with greenish-grey spots, fine sandy, compact, firm. 3 Siltstone, medium grey, fine sandy in parts, compact, firm. Fairly well sorted. Marine? 2 Siltstone, greenish-grey and with reddish brown stains, compact, firm.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 12

WELL NO. Haughton 1

 BIG MCKITTRICK OIL COMPANY  
~~CHANDLER OIL COMPANY~~

PROPERTY

SEC. 7 T.31SR. 28E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
6263	6279	16	14' recovered. Core No. 64 (Cont'd)
		3	Sand, medium grey, fine grained, well sorted, friable. This break somewhat "chewed up" in coring. Marine type sand.
		3	Siltstone, medium grey with scattered reddish-brown spots, fine sandy, compact, firm.
6279	6292	13	8' recovered. Core No. 65.
		5	Claystone, reddish brown, silty compact, firm.
		3	Sand, lite grey, well sorted, fine grained, friable - (Marine). 1' fragment hard reddish-brown claystone on bottom.
<u>DRILLED</u>			
6292	6335	43	Tough shale.
<u>CORED</u>			
6335	6353	18	12' recovered. Core No. 66.
			NOTE: Core badly broken from inspection by those interested in well.
		12	Siltstone and silty claystone, greenish grey with dark reddish brown stains. Thin streaks - to 3 inches - lite grey, fine grained, well sorted marine type sand. No cuts.
6353	6365	12	5' recovered. Core No. 67.
			NOTE: Core badly broken from inspection. Nick Gerard reported good cuts from core. Vial in tray shows very lite cut in CC/4. Core was taken with Soll barrel and cut probably from grease used in barrel.
		2	(Fragments) Greenish-grey unsorted sandy clay and medium grey well sorted siltstone - marine?
		1	Claystone, dark reddish brown, compact, firm.
		2	Siltstone, grey, fine sandy, well sorted. Marine?
6365	6381	16	3' recovered. Core No. 68.
		2	Claystone, dark reddish brown, silty and fine sandy, compact, firm.
		1	Siltstone, medium grey, fine sandy, with scattered coarse grains. Few reddish-brown streaks, compact, firm.
<u>DRILLED</u>			
6381	6433	52	Sandy shale.
<u>CORED</u>			
6433	6446	13	12' recovered. Core No. 69.
		12	Siltstone, greenish-grey with streaks and spots reddish-brown, fine sandy, streaks very clayey compact, firm.

# V. ILL COMPLETION RE. ORT LOG AND HISTORY

Sheet 14

WELL NO. Haughton 1

BIG MCKITTRICK OIL COMPANY  
~~CHANDLER & FIELD MIDDLEBURY OIL COMPANY~~

PROPERTY

SEC. 7 T.31SR. 28E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
6446	6464	18	9' recovered. Core No. 70.
		1	Siltstone, greenish grey - fine, very sandy, compact.
		8	Sand, limey grey, clayey, unsorted, fine to coarse, firm - readily friable.
			Mr. Hackworth - Tool Pusher - reported hole surveyed by Alex Anderson 5/20/35, showed bottom 150' practically due east of D.F.
<u>DRILLED</u>			
6464	6493	29	Tough shale.
<u>CORED</u>			
6493	6503	10	10' recovered. Core No. 71.
		10	Claystone, lite green, brittle.
<u>DRILLED</u>			
6503	6523	20	Tough shale.
<u>CORED</u>			
6523	6536	13	2' recovered. Core No. 72.
		2	Claystone, lite grey. Streaks lite grey silt.
<u>DRILLED</u>			
6536	6539	3	Sand.
<u>CORED</u>			
6539	6558	19	12' recovered. Core No. 73.
		8	Siltstone, medium grey (greenish east in part) fine sandy, compact, hard.
		4	Sand, limey grey (greenish east in part) very clayey unsorted, fine to coarse, friable.
6558	6568	10	5' recovered. Core No. 74.
		2	Sand in clay matrix - green w/ streaks red-brown clay, unsorted, compact, firm.
		3	Claystone, green w/s red-brown, compact, firm.
6568	6583	15	13' recovered. Core No. 75.
		1	Sand, limey grey, clayey, unsorted, compact, firm.
		12	Claystone, green w/s reddish brown, compact, firm.
6583	6601	18	13' recovered. Core No. 76.
		4	Claystone, green w/s reddish brown, unsorted very sandy, compact, firm.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 15

WELL NO. Haughton 1

BIG MC MITTRICK OIL COMPANY

~~CHANDLER CANNON MIDWAY OIL COMPANY~~

PROPERTY

SEC. 7 T.313R.28E B &amp; M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
6583	6601	18	13' recovered. Core No. 76 (Cont'd)
		1	Sand, grey, unsorted fine and medium grained.
		5	Claystone, green w/s reddish brown. Streaks lite grey, well sorted, very fine grained sand.
		1	Claystone, reddish-brown, unsorted sandy.
		2	Sand - very clayey, greenish-grey, firm - friable.
6601	6619	18	6' recovered. Core No. 77.
		3	Siltstone, medium grey w/ reddish-brown stains, well sorted, micaceous, compact, firm.
		3	Siltstone, greenish-grey and reddish brown, unsorted very sandy, compact, firm.
			Two untagged trays probably belonging to this core.
			1' claystone - reddish brown, unsorted sandy.
			2' siltstone - greenish-grey, fine sandy.
			1' sand, medium grey, well sorted, fine grained.
			2' sand, limey grey, clayey, unsorted fine to coarse
6619	6638	19	9' recovered. Core No. 78.
		1	Claystone, reddish-brown, sand, compact, firm.
		4	Siltstone, greenish-grey, clayey, compact, firm.
		3	Sand, medium grey, silty, fair sorted, fine grained.
		1	Sand, limey grey, clayey, very unsorted.
6638	6644	6	6' recovered. Core No. 79.
		6	Sand, greenish-grey (fresh), limey grey (dry), very clayey, poorly sorted, fine & medium grained, friable.
<u>DRILLED</u>			
6644	6665	21	Sand and shale.
<u>CORED</u>			
6665	6684	19	13' recovered. Core No. 80.
		2	Siltstone, medium grey, fine sandy, compact, firm.
		4	Sand, medium grey, fair sorted, silty, generally fine grained, firm - friable.
		1	Claystone, green and red-brown, brittle, compact, firm.
		6	Sand, limey grey, clayey & silty, generally fine grained, firm - friable. Streaks green-grey claystone.
6684	6702	18	14' recovered. Core No. 81.
		7	Sand, green (fresh), limey grey (dry), clayey & silty, very unsorted, granular, friable.
		4	Claystone, dark grey, unsorted sandy, compact, firm.
		1	Claystone, lite grey, scattered medium grains, compact, very firm.
		2	Claystone, dark grey, brittle, firm.

# WELL COMPLETION REPORT LOG AND HISTORY

Sheet 16

WELL NO. *See 6725* Haughton 1  
PROPERTY

BIG MCKITTRICK OIL COMPANY  
~~CHANDLER-KANFIELD-MIDWAY OIL COMPANY~~  
SEC. 7 T.31S R.28E B & M

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
6702	6718	16	11' recovered. Core No. 82.
		3	Sand, lite grey (slite green cast) very unsorted, friable. 3" streak red-brown claystone at top.
		2	Claystone, reddish-brown, compact, firm.
		3	Claystone, green-grey, rather sticky.
		3	Sand, green-grey, clayey and silty, unsorted, friable.
6718	6736	18	4' recovered. Core No. 83.
		4	Sand, lite grey, silty, poorly sorted, fine to coarse grained, friable.
6736	6747	11	4' recovered. Core No. 84.
		1	Sand, ditto 4' above.
		3	Sand, limey grey (slite green cast), clayey and silty, unsorted. Streaks white powdery material (burned drilling fluid?). 3" streak green-grey micaceous siltstone on bottom.
6747	6756	9	0' recovered. Core No. 85.
- - - - - B O T T O M - - - - -			
JUNE 5th, 1935. Layed down 4" drill pipe and suspended drilling operations.			

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

**Report on Proposed Operations**

No. P -4-16808

Bakersfield, Cal. October 10, 19 35

Mr. N. P. Gerard

(Hotel El Tejon) Bakersfield, Cal.

Agent for Big McKibtrick Oil Company

DEAR SIR:

Your abandon proposal to Well No. "Sea Cliff-Houghton" 1  
Section 7, T. 31S., R. 28E., M.D.B. & M., -- Oil Field, Kern County,  
dated Oct. 9, 1935, received Oct. 9, 1935, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The present condition of the well is as follows:

Total Depth 6756'.

13" cemented 610'.

9" cemented 685'.

Hole standing filled with heavy mud.

No oil or gas showings of any kind were encountered."

PROPOSAL:

"The proposed work is as follows:

1. See that heavy mud stands at surface.

2. Weld tightly a steel cap on the top of the 9" casing.

3. Report the work done on form 102, in duplicate."

DECISION:

THE PROPOSAL IS APPROVED.

*12 AM to cement to make well,  
Perf*

CC-E. H. Musser, Taft

PJH:SED

R. D. BUSH

State Oil and Gas Supervisor

By [Signature] Deputy



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG OF OIL OR GAS WELL

FIELD Kern County COMPANY Big McKittrick Oil Company  
Sec. 7, T. 31S., R. 28E., M. D. B. & M., Well No. "Sea Cliff-Houghton" 1

In compliance with the provisions of Chapter 718, Statutes 1915, as amended, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated July 10, 1935, was filed.

SIGNED

*Nick Gerard*

Date December 4<sup>th</sup> 1935

Title

(President, Secretary or Agent)

October 11, 1935 - Found hole full of heavy mud to surface.  
Screwed tight cap on 9" casing and abandoned.

121  
RECEIVED  
DEC 4 1935  
DIVISION OF OIL AND GAS  
SACRAMENTO, CALIFORNIA

FRANK F. MERRIAM  
GOVERNOR

R. D. BUSH  
STATE OIL AND GAS SUPERVISOR

GEORGE D. NORDENHOLT  
DIRECTOR OF NATURAL RESOURCES



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

313 Haberfelde Building  
Bakersfield, California  
December 4, 1935

Mr. N. P. Gerard  
Big McKittrick Oil Company  
217 Haberfelde Building  
Bakersfield, California

Dear Sir:

Your report of abandonment of well No. "Sea Cliff-Houghton" 1, Sec. 7, T. 31S., R. 28E., E. D. S. & M., Kern County, dated December 4, 1935, and submitted to this Division on our form 102, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have now been fulfilled.

Yours truly,

R. D. BUSH  
State Oil and Gas Supervisor

By E. H. Musser  
Deputy Supervisor

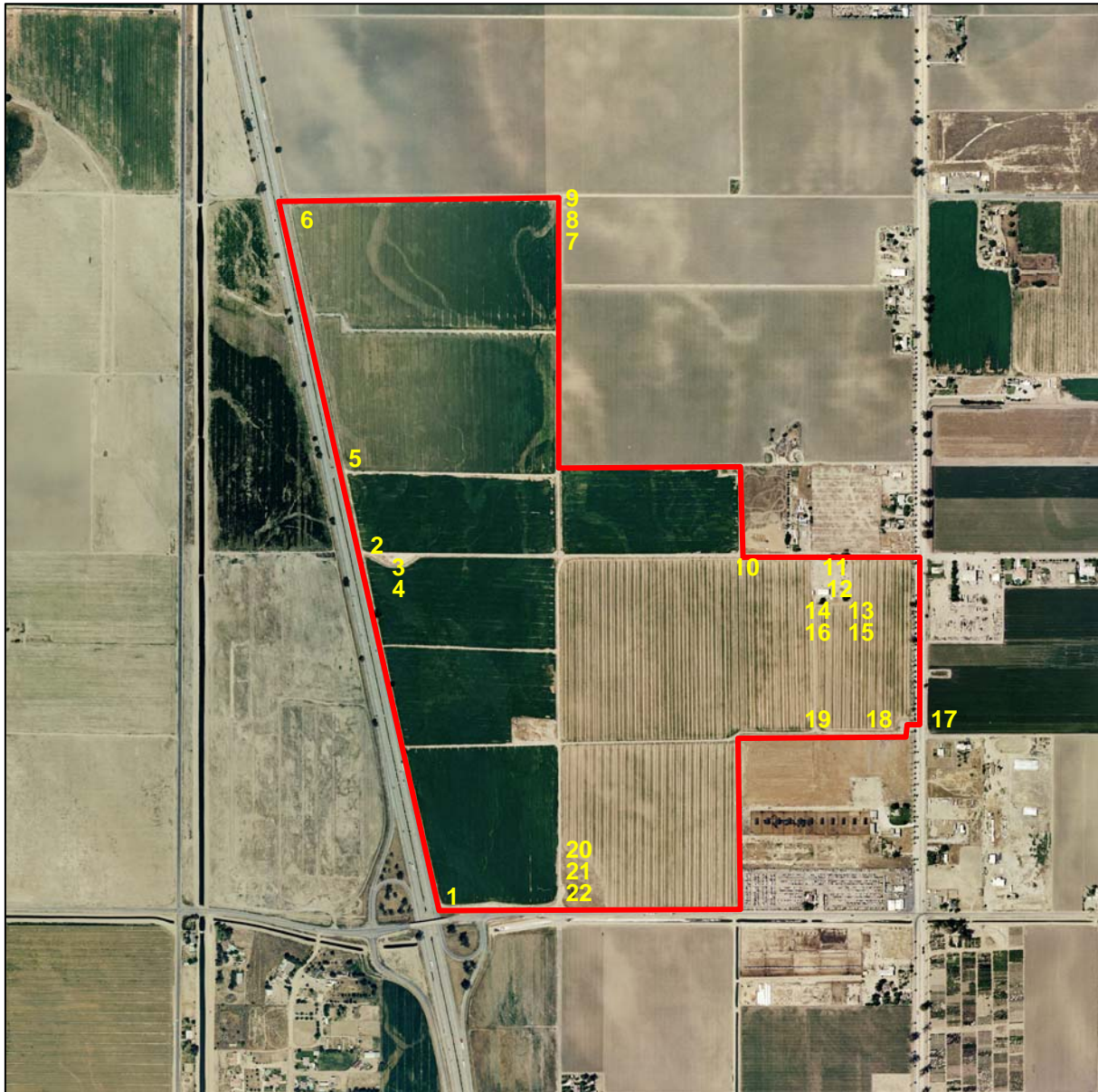
CC-Houghton & Houghton  
1108 Merchants Exchange Bldg., S.F.  
-E. H. Musser, Taft

FJH:SED

RECEIVED  
DEC 10 1935

## **APPENDIX D**

### **Location Index and Site Photographs 1-22**



## Location Index for Site Photographs 1-22

### 99-Houghton, LLC Property

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Air Photo USA: 2006 Aerial Photograph

Scale: 1 Inch Equals Approximately 1,250 Feet

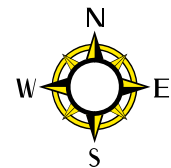




Photo 1. West-facing view of PMT-1 at center, located in the SW corner of the project site.



Photo 2. Northwest-facing view of PMT-2 at center, located along the west boundary of the project site. Onsite alfalfa fields and an irrigation riser are visible at right.





Photo 3. West-facing view of the west irrigation well with diesel engine and trailer-mounted AST.



Photo 4. East-facing view along the concrete-lined ditch situated due south of the west irrigation well



Photo 5. Northwest-facing view of a PG&E natural gas pipeline marker along the west boundary.



Photo 6. Northeast-facing view of the northwest irrigation well with diesel engine and trailer-mounted AST, located in the northwest corner of the project site.





Photo 7. South-facing view along an irrigation ditch from the northeast corner of the project site.



Photo 8. APN 185-150-03. North-facing view of offsite location PMT-3 and the irrigation well it powers, located immediately east of and adjacent to the northeast corner of the project site.





Photo 9. APN 185-150-03. Offsite PMT-3; the blue sticker visible at the bottom of the canister indicates that it does not contain PCBs in its electrolytic fluid.



Photo 10. North-facing view along a portion of the east boundary of the project site; at right is the fenceline along the west boundary of offsite APN 185-190-01.



Photo 11. North-facing view of water pressure and storage tanks serving the domestic well on the north side of the easternmost portion of the project site. The concrete well pad is visible beneath the tree at far right.



Photo 12. Southwest-facing view of the steel shop building and propane AST in the easternmost portion of the project site. Two transformers at location PMT-5 are visible at top center.



Photo 13. On the east side of the steel shop building are natural gas lines (left of center), an air compressor line (right of center), and electric circuit boxes at top right.



Photo 14. Southwest-facing view of the open canopied carport formerly used as a storage area for discarded tires. It is situated due west of the steel shop building.





Photo 15. From foreground to background, this is a west-facing view of a concrete foundation, hose bib, concrete waste stockpile, and a cradle-mounted AST on the south side of the steel shop building.



Photo 16. Southwest-facing view of the cradle-mounted AST, pictured in the background of Photo 15 and located on the south side of the steel shop building.



Photo 17. APN 185-160-03. Northwest-facing view of the offsite original PG&E Union Avenue pipeline facility situated adjacent to the southeast corner of the easternmost portion of the project site.



Photo 18. West-facing view of PG&E's Union Avenue natural gas valve station 269B, located approximately 1/4-mile south of the steel shop building.





Photo 19. North-facing view of the dry tailwater pit situated due west of PG&E valve station 269B.



Photo 20. Southeast-facing view of wooden beehives situated in the south portion of the project site. An irrigation riser is visible at right, and Houghton Road is visible in the background.



Photo 21. Southeast-facing view of the pump turbine located on the west slope of the tailwater pit, adjacent to the wooden beehives situated in the south portion of the project site.



Photo 22. Northeast-facing view of two older transformers situated at location PMT-6, west of the beehives at right.

# Statement of Qualifications

## Dayne L. Frary, P.G., R.E.A. II Senior Geologist

Mr. Frary has specialized in geological and environmental compliance issues, including, but not limited to geologic and seismic hazards investigations, groundwater quality and quantity investigations, hazardous materials investigations, petroleum development and production in Kern, Monterey, and Ventura County oil fields, petroleum reserves analyses for property developments, ad valorem valuation of petroleum-producing properties, Phase I environmental site assessments, Phase II soil and groundwater assessments, pipeline placement assessments, and wastewater disposal permit preparation. He has 29 years of experience in these and several associated fields.

### Education

- Bachelor of Science, Earth Sciences-Geology (1979)  
California State University, Bakersfield
- Associate in Arts (1974)  
West Valley College, Saratoga, California

### Qualifications

- Registered Professional Geologist:      California      4456      (1988)  
   Arizona      26823      (1993)  
   Oregon      1359      (1992)  
   Wyoming      2277      (1993)
- Registered Environmental Assessor II:      California      20220      (2002)

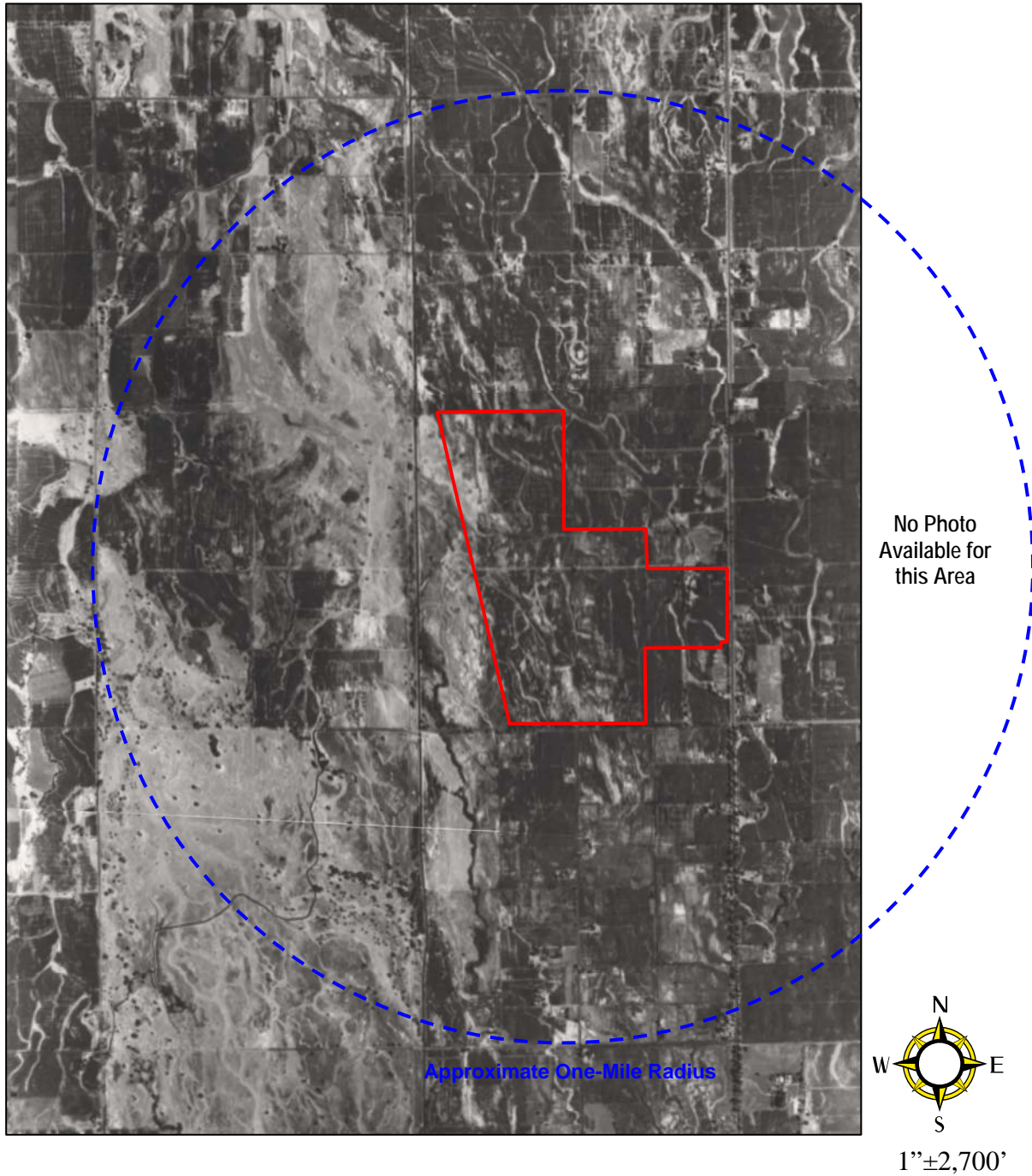
### Affiliations

- Active Member – American Association of Petroleum Geologists (1981)
- Charter Member – A.A.P.G. Division of Environmental Geosciences (1993)
- Member – A.A.P.G. Pacific Section & San Joaquin Geological Society (1980)
- Member – Air & Waste Mgmt. Association, Golden Empire Chapter (1990)

### Certifications and Current Continuing Education

- 29 CFR 1910 OSHA Environmental Health and Safety Program  
Certification: 40-Hour Classroom & Field Course; Bakersfield, CA (1989)
- U.S.E.P.A. and California D.T.S.C. All-Appropriate Inquiry Seminar  
Phase I Environmental Site Assessments; Los Angeles, CA (2007)
- 29 CFR 1910 OSHA Environmental Health and Safety Program  
Certification: Annual 8-Hour Refresher Course; El Cajon, CA (2007)
- Environmental Data Resources' *Due Diligence at Dawn* Seminar;  
Newport Beach, CA (2008)



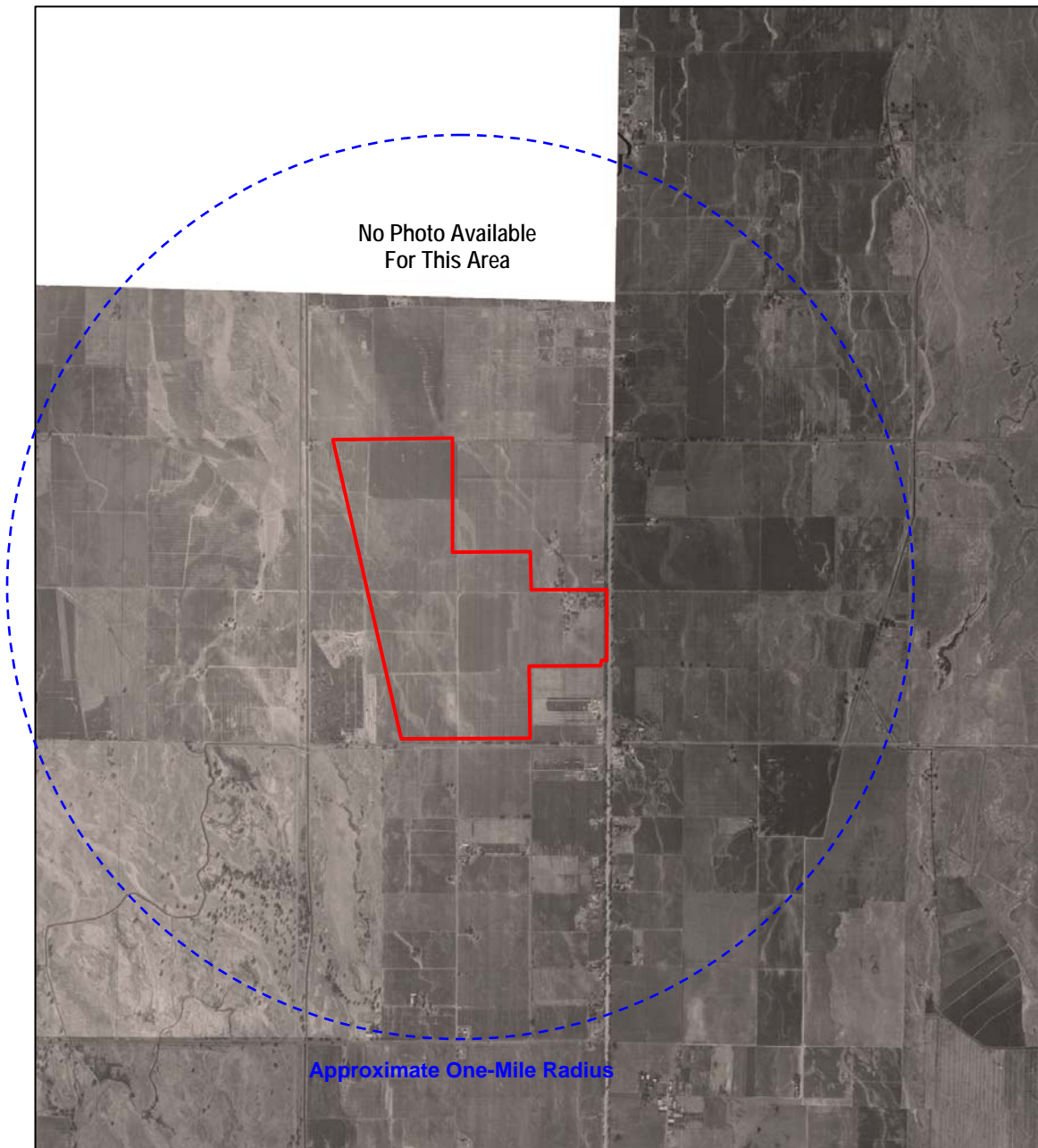


**1937 Aerial Photograph**

**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering and Survey Services

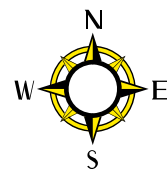


**1952 Aerial Photograph**

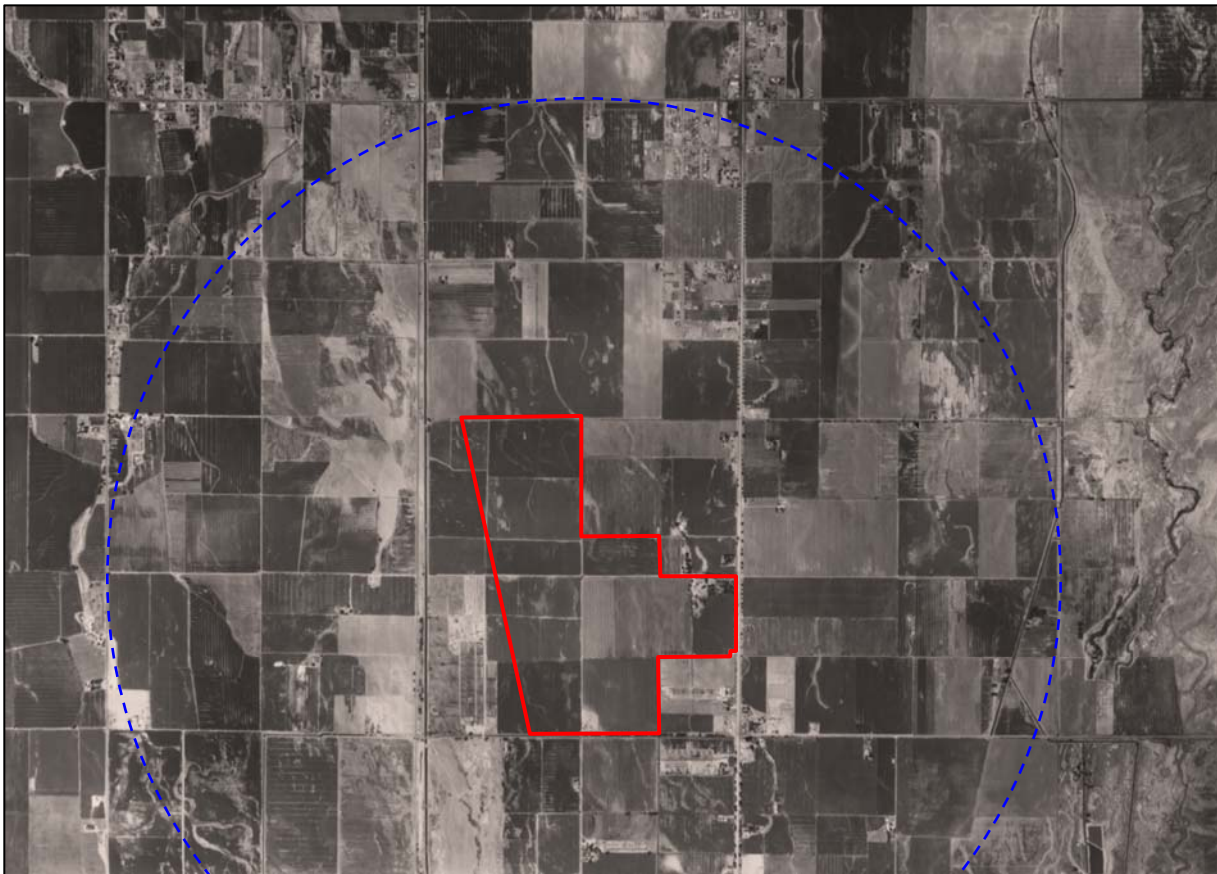
**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering  
and Survey Services

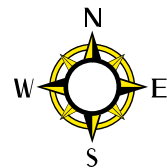


1" ± 3,200'



No Photo Available  
For This Area

Approximate One-Mile Radius



1"±3,200'

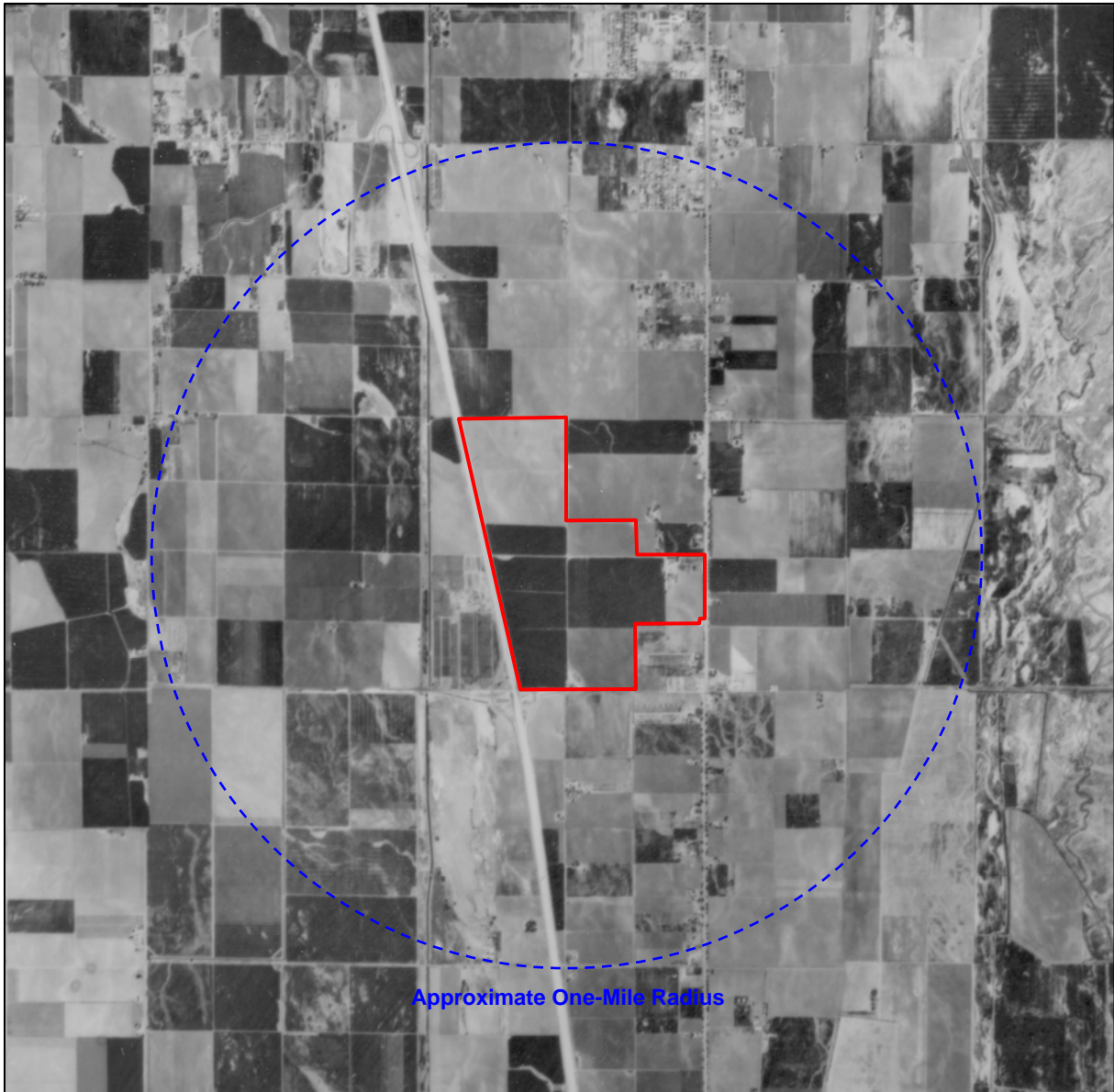
## **1956 Aerial Photograph**

### **99–Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B.& M.

Source: Kern County Department of Engineering and Survey Services



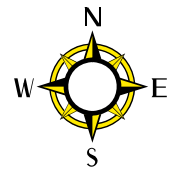


**1963 Aerial Photograph**

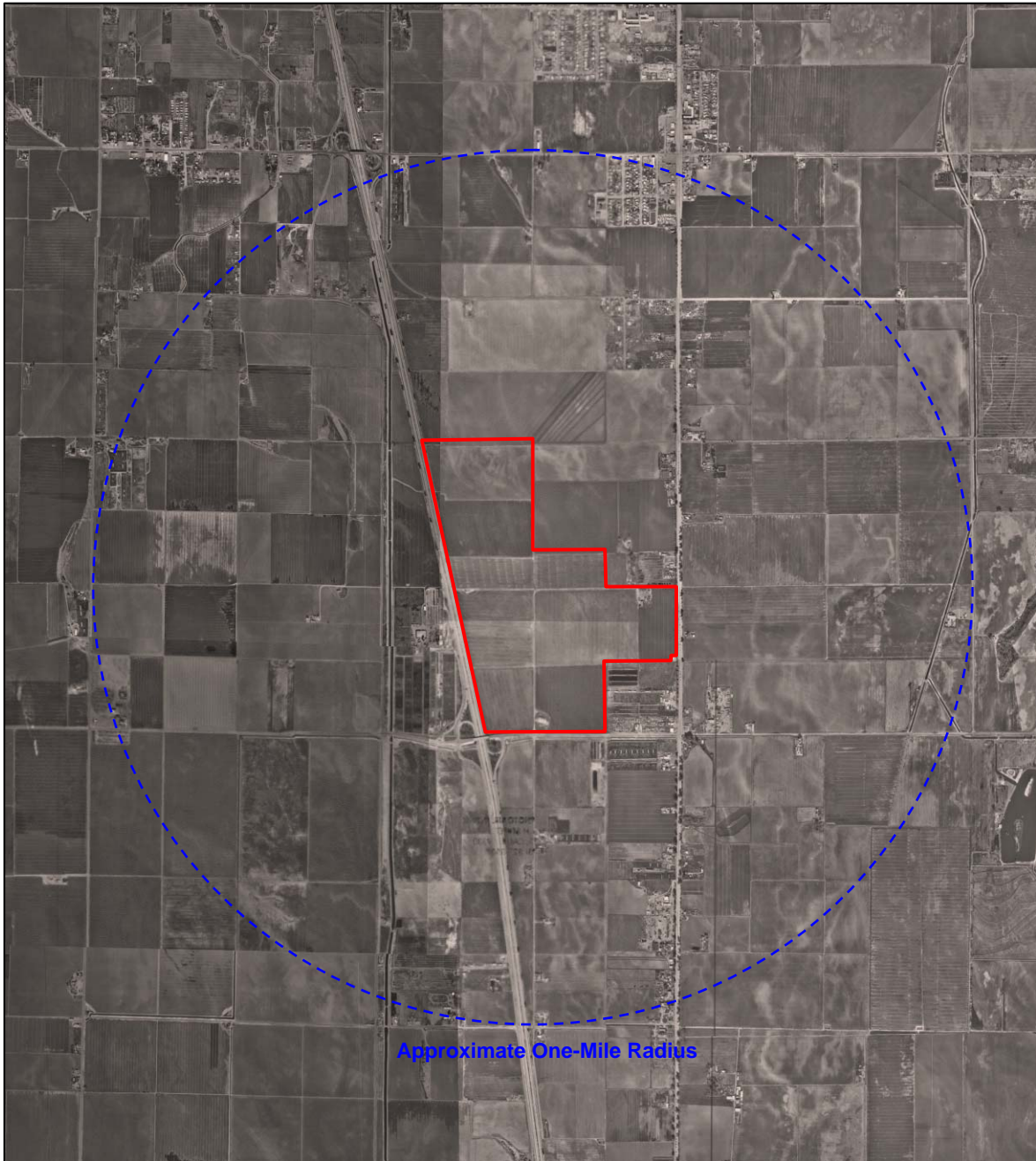
**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Western Photogrammetrics



1"±3,450'



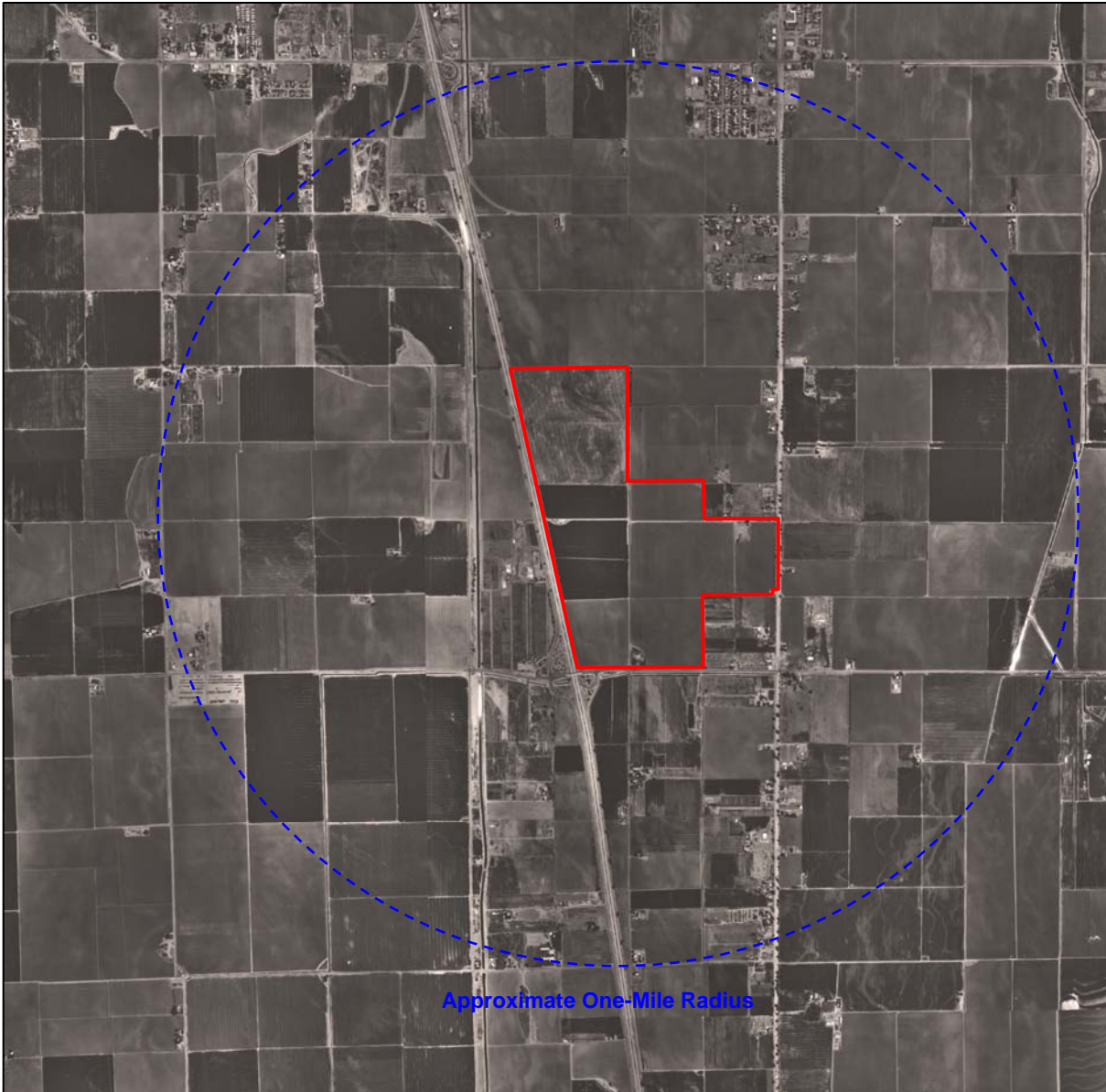
**1975 Aerial Photograph**

**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering and Survey Services





**1981 Aerial Photograph**

**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering  
and Survey Services





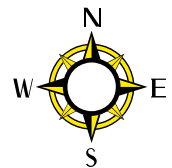


**1990 Aerial Photograph**

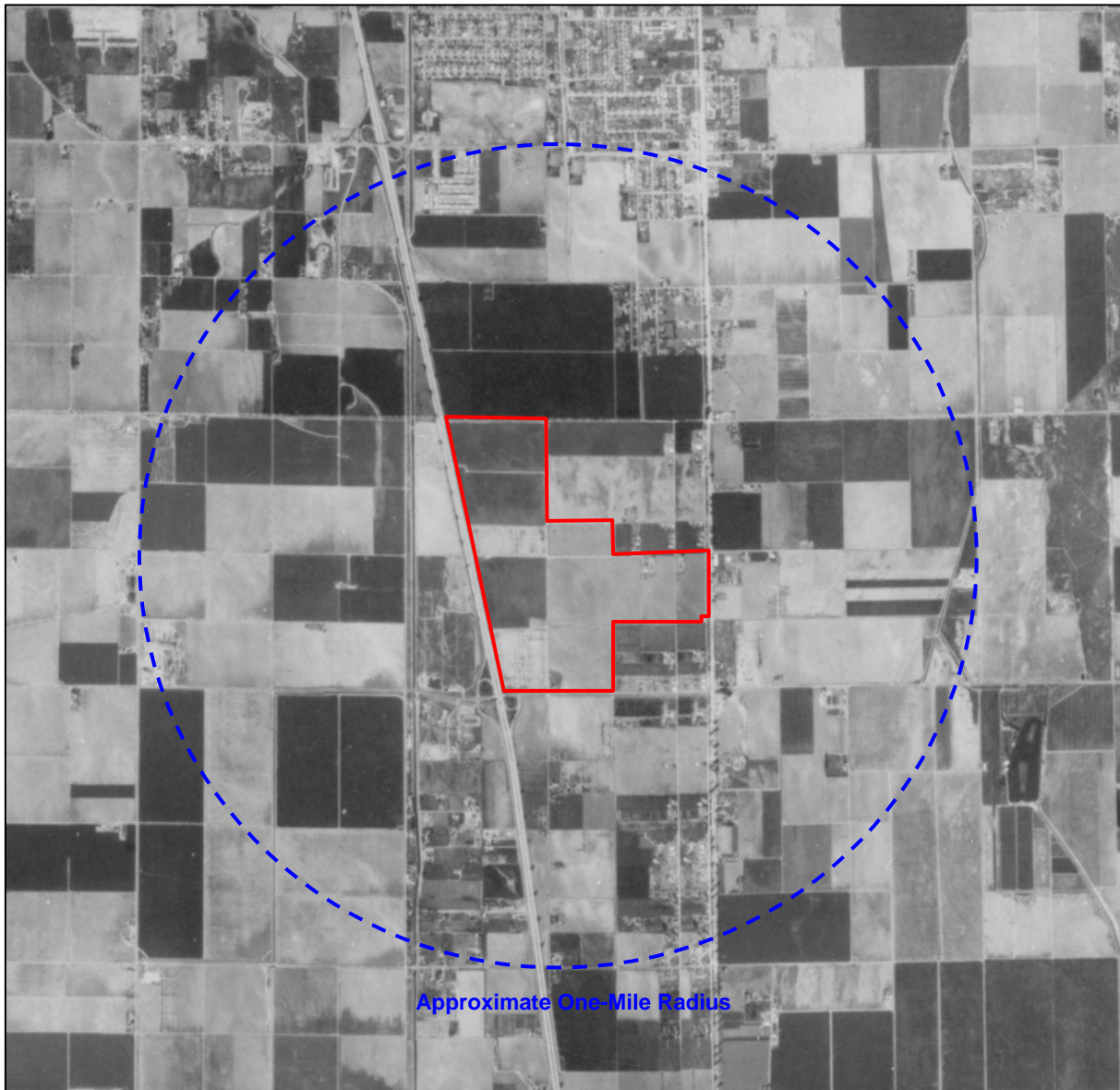
**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering  
and Survey Services



1"±3,150'



**1995 Aerial Photograph**

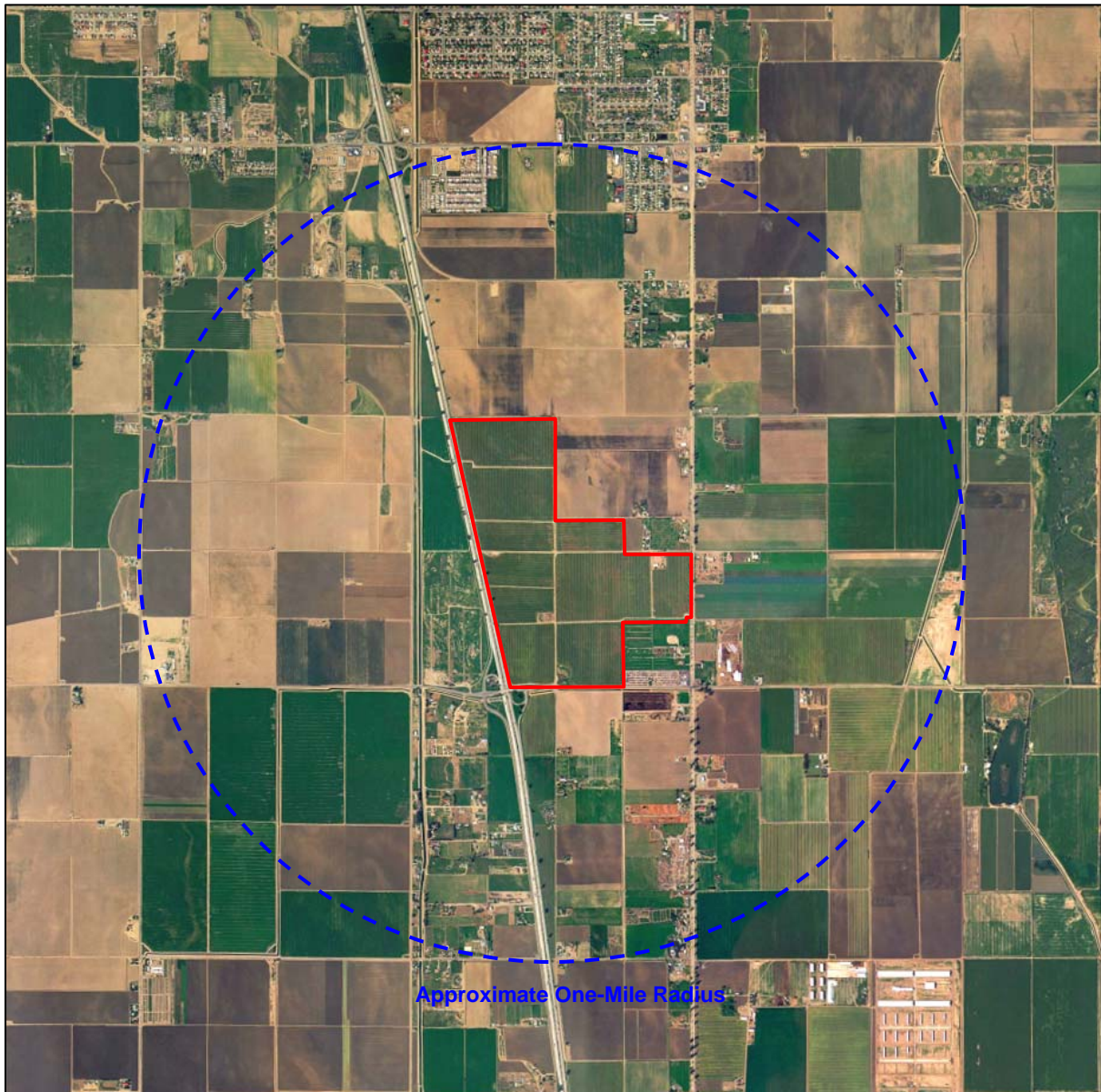
**99 – Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering  
and Survey Services







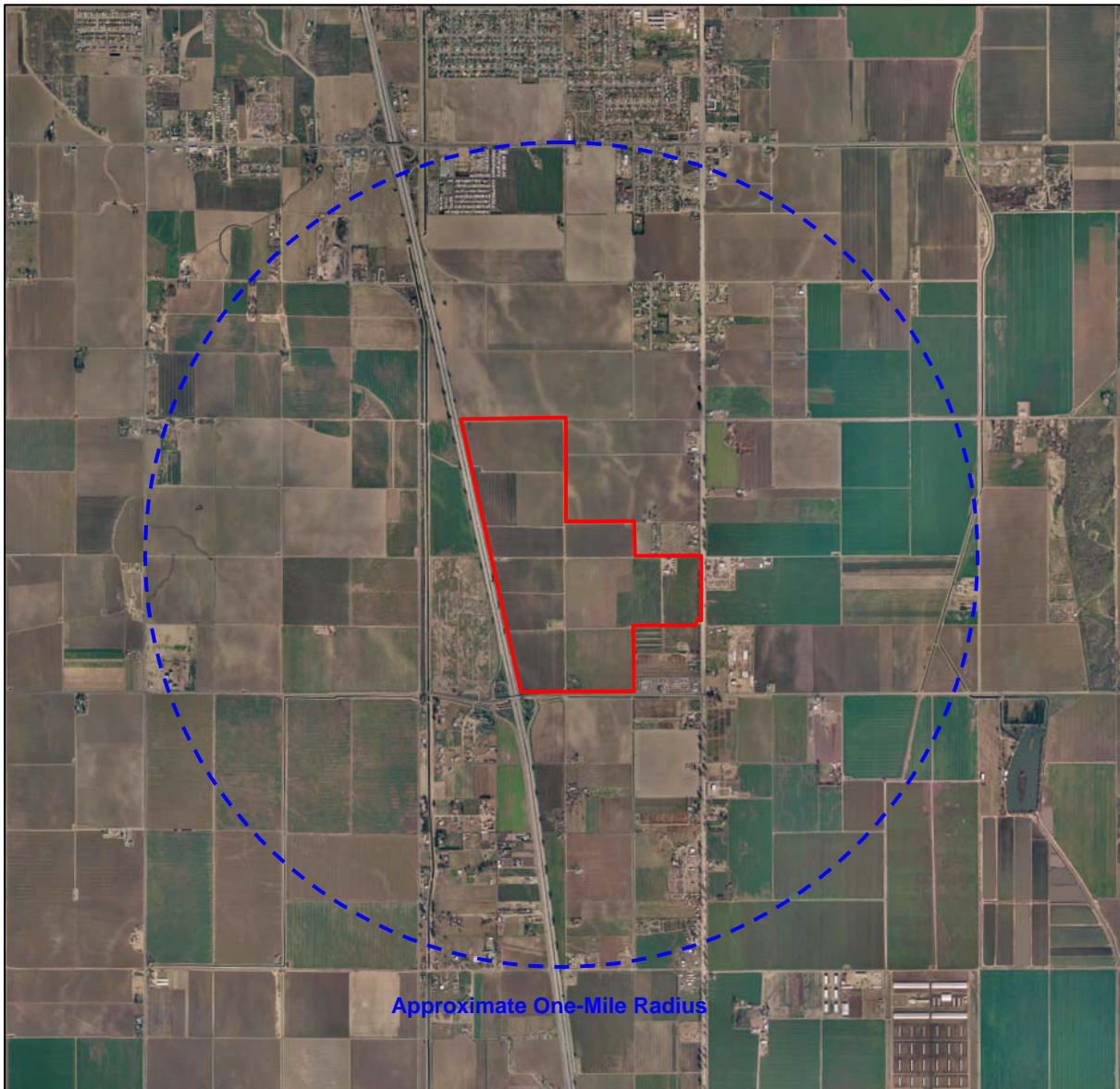
**2000 Aerial Photograph**

**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Kern County Department of Engineering and Survey Services  
(Air Photo USA)



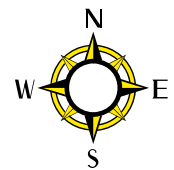


**2002 Aerial Photograph**

**99-Houghton, LLC Property**

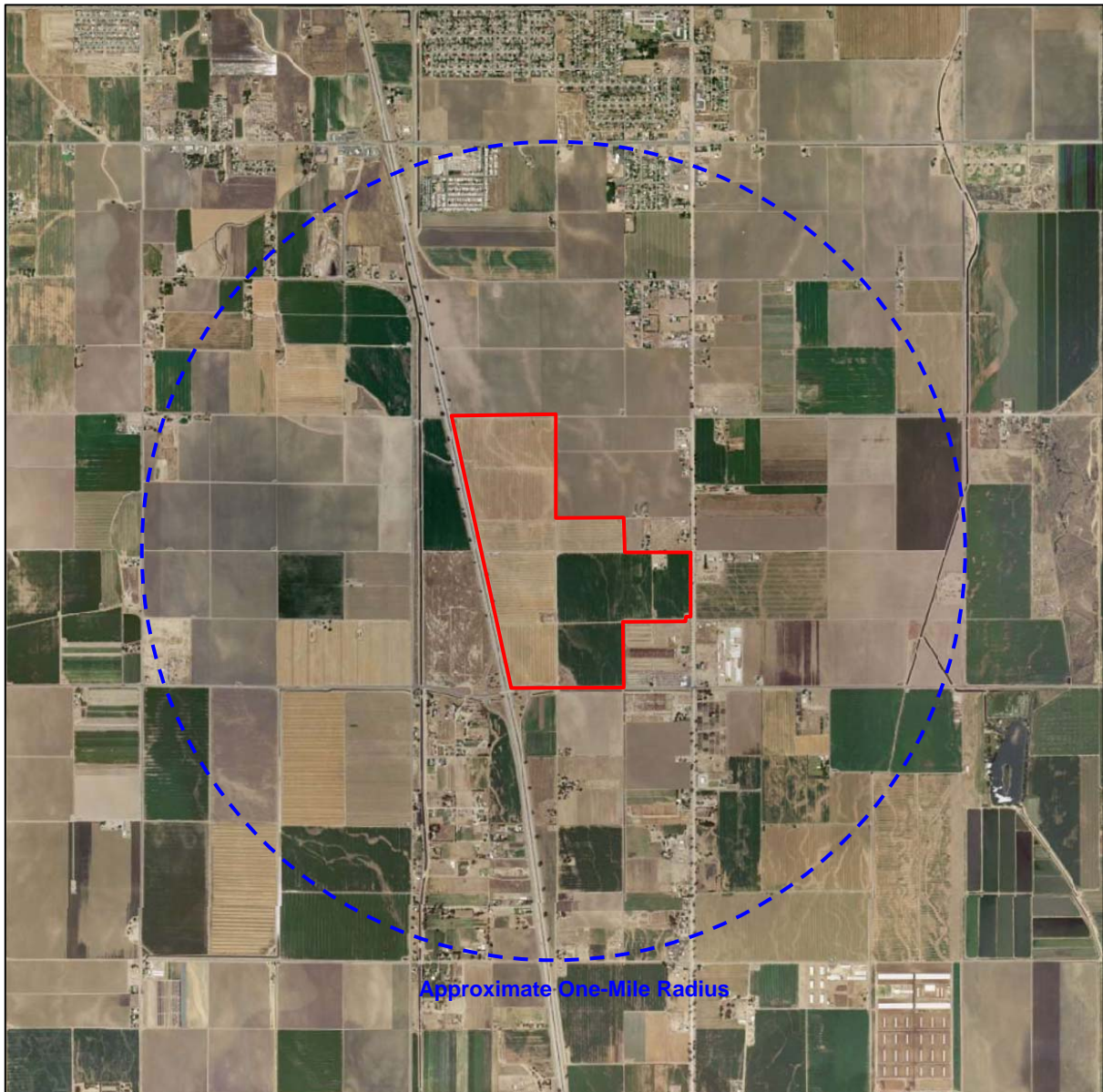
Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Air Photo USA



1"=3,350'





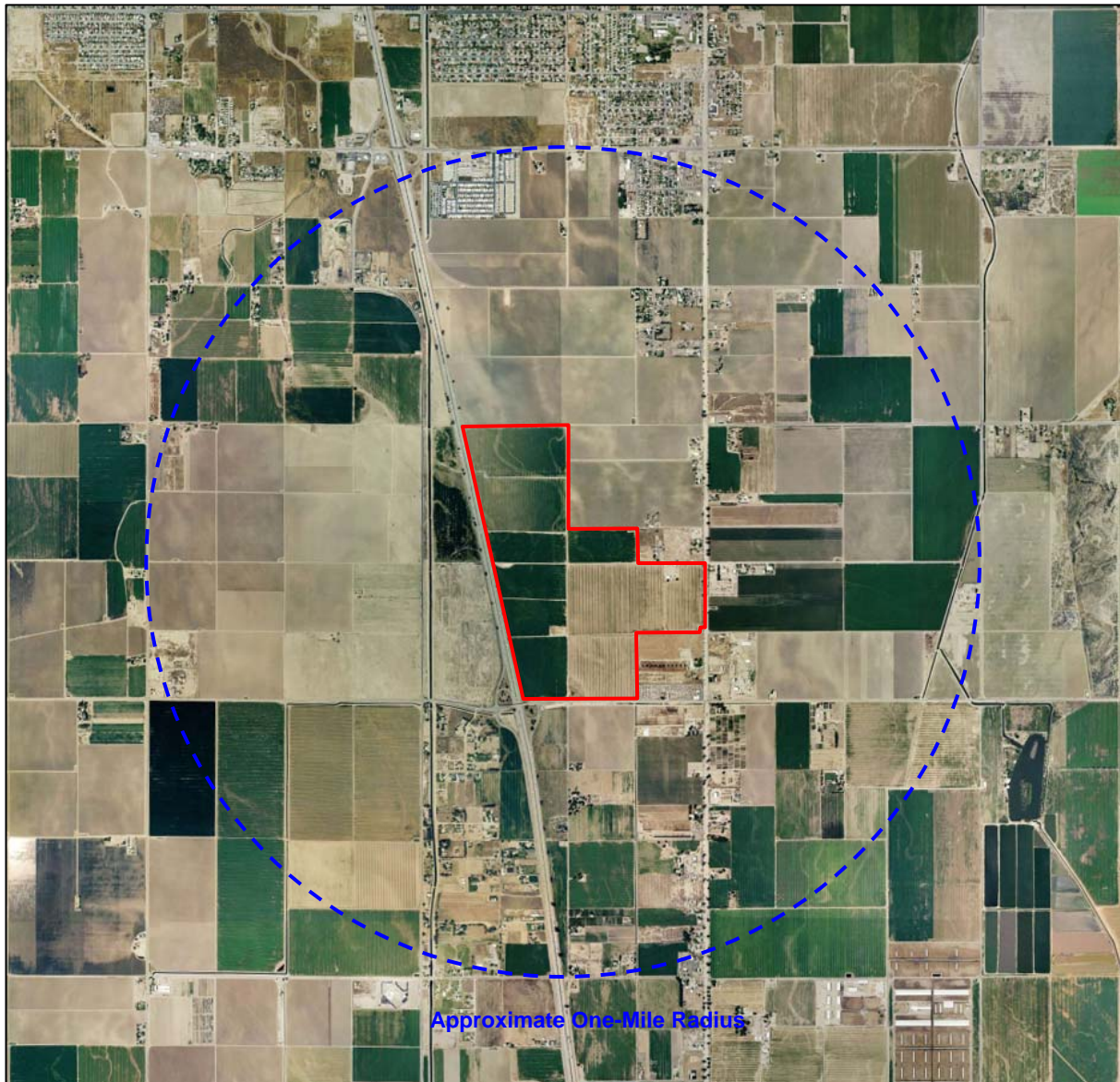
**2003 Aerial Photograph**

**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Air Photo USA



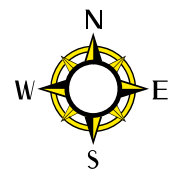


**2006 Aerial Photograph**

**99-Houghton, LLC Property**

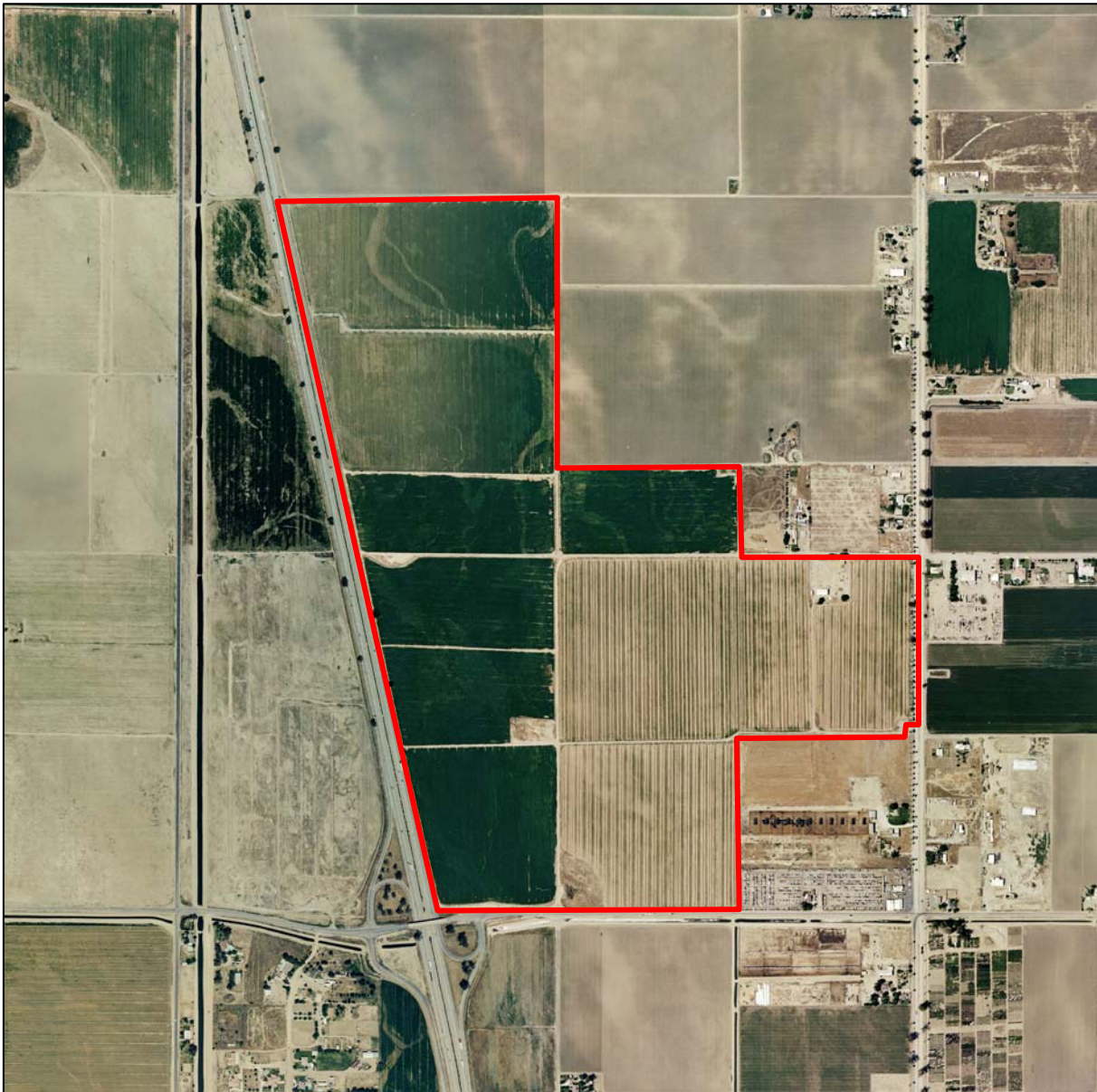
Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Air Photo USA



1"±3,350'





**2006 Aerial Photograph**

**99-Houghton, LLC Property**

Portion of Section 7, T.31S., R.28E., M.D.B. & M.

Source: Air Photo USA



# **APPENDIX F**

## **Statements of Qualifications**

# Statement of Qualifications

## Dayne L. Frary, P.G., R.E.A. II Senior Geologist

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Certification: Annual 8-Hour Refresher Course; El Cajon, CA (2007)
- Environmental Data Resources' *Due Diligence at Dawn* Seminar;  
Newport Beach, CA (2008)

## Statement of Qualifications

**ROGER A. McINTOSH, R.C.E., L.S.**

## PRINCIPAL - PROJECT MANAGER (CIVIL ENGINEERING)

Mr. McIntosh serves as the principal in charge of several master planned communities in the southwest United States. Mr. McIntosh's responsibility is the management of the various aspects of these projects including the planning, engineering, surveying, construction management, and contract administration.

Mr. McIntosh is very involved in community and professional affiliations. He is past President of the Kern County Building Industry Association (B.I.A.) and is a founding member of the Kern Transportation Foundation. Mr. McIntosh, as well as McIntosh & Associates, maintains active memberships in the Bakersfield Chamber of Commerce, the Kern Economic Development Corporation, CELSOC, APWA, ACSM, CLSA and ASCE.

## EDUCATION

- Associate's Degree: Construction Technology - Iowa State University
- Active participant in continuing education in engineering, management and surveying

## QUALIFICATIONS AND AFFILIATIONS

- Licensed Land Surveyor: California L.L.S. 4383  
Arizona R.L.S. 28224
- Registered Civil Engineer: California R.C.E. 33322  
Nevada R.C.E. 10245  
Arizona R.C.E. 27727
- Certified Engineering Technician: California C.E.T. 58065
- Member - California Land Surveyors Association - Past President, Chapter Representative - Bakersfield Chapter; Past Secretary - State Board of Directors and Past State Director
- Member - California Council of Civil Engineers and Land Surveyors -
- Member - Academy of Surveyors Committee 1990-1991
- Member - American Congress of Surveying and Mapping
- Member - Institute of the Certification of Engineering Technicians
- Member - American Society Certification of Engineering Technicians
- Member - American Society of Civil Engineers
- Member - California State Board of Registration for Professional Engineers and Land Surveyors - Land Surveyors Technical Advisory Committee May 1984 to January 1986
- Member - Kern County Building Industry Association - Director 1988 - Present, Secretary 1991; Treasurer 1992; Vice-President 1993; President 1994-1995.
- Member - Planning and Land Use Committee 1988 - Present, Chairman 1990 - 1991
- Member - Kern County Board of Supervisors "To Plan for Growth" Technical Advisory Committee