

---

## **Appendix H: Environmental Site and Risk Assessments**

---

## **H-1: Environmental Site Assessment**

**SCREENING LEVEL**  
**ENVIRONMENTAL SITE ASSESSMENT**

California State Lands Commission, PG & E Line 406 & 407  
40-mile Corridor from Esparta to Roseville  
Yolo and Placer Counties



Project Number: MBA101-1P1

Prepared for:

Michael Brandman Associates (MBA)  
Attn: Ms. Chelsea Ayala  
Bishop Ranch 3  
2633 Camino Ramon, Suite 460  
San Ramon, CA 94583

Prepared by:



**Hanover Environmental Services, Inc.**  
1072 Marauder St., Suite 220  
Chico, CA 95973

10 June 2008

## Table of Contents

1.0	Summary .....	1
2.0	Introduction .....	1
2.1	Purpose .....	1
2.2	Detailed Scope-of-Services .....	1
2.3	Significant Assumptions.....	2
2.4	Limitations, Exceptions, and Data Gaps.....	2
2.5	Environmental Personnel.....	3
3.0	Site Description .....	3
3.1	Location and Legal Description.....	3
3.2	Site and Vicinity Characteristics.....	3
3.3	Current Use of the Property .....	3
3.4	Descriptions of Structures, Roads, Other Improvements on the Site.....	3
3.5	Current Uses of the Adjoining Properties.....	4
4.0	User Provided Information .....	4
4.1	Title Records .....	4
4.2	Environmental Liens or Activity and Use Limitations .....	4
4.3	Specialized Knowledge .....	4
4.4	Commonly Known or Reasonably Ascertainable Information.....	4
4.5	Valuation Reduction for Environmental Issues .....	4
4.6	Owner, Property Manager, and Occupant Information.....	4
4.7	Reason for Performing .....	4
4.8	Other .....	4
5.0	Records Review .....	5
5.1	Standard Environmental Record Sources .....	5
5.2	Additional Environmental Record Sources .....	5
5.3	Standard and Additional Environmental Record Review Results .....	5
5.3.1	<i>Federal Environmental Records</i> .....	6
5.3.2	<i>State Environmental Records</i> .....	7
5.4	Historical Use Information on the Property and Adjoining Properties Sources and Results.....	7
	<i>Summary of Historical Use of the Subject Property</i> .....	7
6.0	Site Reconnaissance .....	7
6.1	Methodology and Limiting Conditions.....	7
6.2	General Site Setting .....	8
6.3	Exterior Observations .....	8
6.4	Interior Observations .....	8
7.0	Interviews .....	8
7.1	Interview with Property Owner Representative.....	8
7.2	Interviews with Local Government Officials .....	8
8.0	Findings, Opinions, and Conclusions .....	9
9.0	Qualification and Signature .....	9
APPENDIX A: SUBJECT PROPERTY MAPS.....		10
APPENDIX B: SITE RECONNAISSANCE PHOTOGRAPHS .....		13
APPENDIX C: REGULATORY RECORDS REVIEW.....		43
APPENDIX D: HISTORICAL RESEARCH DOCUMENTATION.....		44
APPENDIX E: QUALIFICATIONS.....		45

## 1.0 Summary

Hanover Environmental Services, Inc. (Hanover) has performed a “screening level” Environmental Site Assessment in conformance with the scope and limitations of EPA’s Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and ASTM Standard Practice for Environmental Site Assessments E 1527-05 for the subject property described as a 500 ft. buffer along a 40-mile corridor from Esparta to Roseville in Yolo and Placer Counties, California (proposed project). Any exceptions to, or deletions from this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

While no environmental site assessment can fully eliminate the uncertainty regarding the potential for recognized environmental conditions, the ASTM standard does cite the balance between appropriate levels of inquiry and the cost of such exhaustive investigations. The information contained in this report would lead one to the opinion that the probability of recognized environmental conditions in association with the subject property *is not* significant enough to warrant further investigation.

## 2.0 Introduction

### 2.1 Purpose

Hanover has created this “screening level” Environmental Site Assessment under the direction of a State of California Registered Environmental Assessor. This document serves to identify recognized environmental conditions that may create a significant hazard to the public or the environment through the reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment in association with the construction of the proposed project within project corridor. The term recognized environmental conditions means the presence or the likely presence of any hazardous substances or petroleum products on a subject property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous material or petroleum product into structures on the subject property or into the ground, groundwater, or surface water of the subject property. The term includes hazardous substances or petroleum products even under conditions in compliance with existing laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report has been prepared in an objective and unbiased manner and in accordance with EPA AAI 40 CFR Part 312 and ASTM Practice E 1527-05 with the exception and limitations described in Section 2.4.

The proposed project is the installation of a Pacific Gas & Electric (PG&E) pipeline along a 40-mile corridor extending from Esparta in Yolo County to the City of Roseville in Placer County. For the purposes of this analysis, a 500-foot buffer was established along the pipeline route (hereafter referred to as the proposed project, project corridor, subject corridor or subject property). This document has been prepared to assist in the preparation of an Environmental Impact Report being prepared for the proposed project in accordance with the California Environmental Quality Act (CEQA) Guidelines and significance thresholds. This document is for the use of Michael Brandman Associates (MBA) and their assignees.

### 2.2 Detailed Scope-of-Services

This assessment has been conducted outside of the Environmental Protection Agency and the recommendations of American Society for Testing and Materials (ASTM) to assist in providing “all appropriate inquiry” into the previous uses of a property consistent with good commercial or customary practice scope. This assessment included a review and analysis of existing data and information concerning the project corridor, as well as an update, review and analysis of any current information and data concerning the corridor as contained in the FirstSearch database records addressing the project corridor. Additionally, a site reconnaissance of the subject corridor was performed to determine the existence or non-existence of recognized environmental conditions, now and in the past, and any contamination arising therefrom. This “screening level” assessment follows the outlines and limitations of EPA’s Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and ASTM Standard Practice for Environmental Site Assessments E 1527-05, with exceptions and limitations described in section 2.4.

### 2.3 *Significant Assumptions*

Hanover believes the results, specifications, conclusions and professional opinions to be accurate and relevant but cannot accept responsibility for the accuracy or completeness of public documentation or accuracy, completeness, or possible withholding of information by interviewees or other private parties. We make no other warranty, either expressed or implied.

### 2.4 *Limitations, Exceptions, and Data Gaps*

The scope of services performed to complete this “screening level” Environmental Site Assessment is limited in nature. Site conditions can change in time, and our assessment is not intended to predict future site conditions. Because of the limited scope and nature of this assessment, site history was developed based on information provided by the site reconnaissance along the project corridor and adjacent sites. This report is not a complete risk assessment and the scope of services does not include a complete determination of the extent of, nor the environmental or public health impact of, known or suspected hazardous materials or wastes.

This property assessment did not include air, soil or water sampling, or laboratory analysis. Therefore, the results of this investigation do not preclude the possibility of hazardous substances being present on the subject properties, currently or in the future. This report does not purport to address all safety problems, if any, associated with the subject property.

In addition, this assessment did not include a local government records research (including Title Reports and Historic Use Information obtained from, although not limited to, the following: Assessor’s Office, Building Department, Environmental Health Department, Agricultural Department, Water Districts or Associations, Fire Department).

Interviews with property owners, occupants, local government officials, and others were not conducted.

The following are several non-scope considerations that persons may want to assess in connection with commercial real estate. No implication is intended as to the relative importance of inquiry into such non-scope considerations, and this list is not intended to be all-inclusive:

- Asbestos
- Radon
- Lead-based paint
- Lead in drinking water
- Wetlands
- Regulatory compliance
- Cultural and historic resources
- Health and safety
- Ecological resources
- Endangered species
- Air quality
- Water quality

The government database search included sites that are within the ASTM search range of the subject property. However, sites exist that are in the general vicinity of the subject property without enough information listed to map these “orphan” sites or determine if they are within the ASTM search range. The subject property does not appear to be included in the orphan summary.

The Hanover representative relied on information provided by the Client and/or property manager.

While the Hanover representative collected reasonably ascertainable historical information, gaps in evidence of property use exist. Based on information obtained during the interview process and general knowledge of the history of this vicinity of Yolo and Placer Counties, it is the opinion of the Hanover representative that the historical subject property uses have been adequately defined.

Despite these limitations it is the opinion of Will Bono, Registered Environmental Assessor #04233, that this property assessment provides an appropriate degree of inquiry to determine if recognized environmental conditions exist on the subject property.

### **2.5 Environmental Personnel**

This assessment was conducted under the supervision of Will Bono, Registered Environmental Assessor #04233. The following Hanover Environmental Services, Inc. personnel contributed to the assessment:

- Will Bono, REA#04233, provided supervision, review, and opinions/conclusions.
- Kamie Loeser, Senior Planner, provided review, and opinions/conclusions.
- Mike Andres, GIS Analyst, performed site reconnaissance and prepared site maps.
- Luke Smith, Environmental Scientist, coordinated and reviewed database searches, performed site reconnaissance and prepared the report.

### **3.0 Site Description**

The Hanover representative performed site inspections on April 24<sup>th</sup>, 25<sup>th</sup> and May 1<sup>st</sup> 2008.

#### **3.1 Location and Legal Description**

Physical Address: 500 ft. buffer along a 40-mile corridor from Esparta to Roseville (no physical address recorded)  
Assessors Parcel Numbers: refer to the site maps in Appendix A

#### **3.2 Site and Vicinity Characteristics**

The project corridor is located in the Sacramento Valley. The Sacramento Valley encompasses the northern one-third of the Central Valley of California, which extends approximately 400 miles from the Tehachapi Mountains in the south to the Klamath-Siskiyou Mountains in the north. The Sacramento Valley trough is strongly asymmetric with the deepest part of the trough west of the apparent surface axis of the valley. The valley is bordered to the east by the Sierra Nevada, to the north by the Cascade Range, and to the west by the Coast Ranges. The Sacramento River is the north-south drainage that extends from the northern portion of the Central Valley south to the Sacramento-San Joaquin Delta.

The project corridor varies in elevation. Topography of the corridor is relatively flat, sloping in a various directions. Regional topography in the vicinity slopes toward the Sacramento River, which the project corridor crosses over.

This analysis evaluates a 500 ft. buffer along a 40-mile corridor from Esparta in Yolo County to Roseville in Placer County. Land uses within the project corridor consist of agricultural uses and associated residences. At the time of the April 24<sup>th</sup>, 25<sup>th</sup> and May 1<sup>st</sup> 2008 site inspections, the subject corridor was primarily vacant and undeveloped land or in agricultural use. Portions of the project corridor are paved with asphalt with other portions being used as a utility right-of-way.

Environmental FirstSearch Network supplied information regarding the physical setting of the subject property. They reported that the dominant soil composition in the general area of the subject property as a clay loam with moderate infiltration rates.

#### **3.3 Current Use of the Property**

At the time of the April 24<sup>th</sup>, 25<sup>th</sup> and May 1<sup>st</sup> 2008 site inspections the project corridor was structurally undeveloped. The current uses within the corridor at the time of the inspection were agricultural, residential and commercial. The project corridor followed a linear pattern similar to other public utilities.

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

The subject corridor follows a utility right of way that crosses agricultural fields, streets, highways and waterways. Portions of the corridor parallel roads and overhead power lines with pole-mounted transformers (refer to Site Map Sheets 1-7 and Appendix B for locations and photographs). Transformers were inspected for any visual signs of leaks by the Hanover representative during the site reconnaissance.

Transformers were located, mapped with a GPS and plotted on the Site Map in Appendix A. There were no structural developments located within the subject corridor at the time of inspection.

### **3.5 *Current Uses of the Adjoining Properties***

Adjoining properties are used for agricultural, residential and commercial purposes. The majority of the subject corridor was adjacent to vacant land used for agriculture and livestock grazing.

## **4.0 User Provided Information**

### **4.1 *Title Records***

Preliminary Title Reports for the subject corridor were not provided nor reviewed as part of this screening level analysis.

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

There were no reported environmental liens or activity and use limitations due to hazardous material issues on the subject property.

### **4.3 *Specialized Knowledge***

There was no specialized knowledge of any recognized environmental conditions recorded, reported or discussed on the subject or surrounding properties.

### **4.4 *Commonly Known or Reasonably Ascertainable Information***

There was no recorded, reported or discussed commonly known or reasonably ascertainable information on the subject property.

### **4.5 *Valuation Reduction for Environmental Issues***

The client/user indicated that there is no known valuation reduction for the subject property due to environmental issues.

### **4.6 *Owner, Property Manager, and Occupant Information***

Property Owners: Not applicable

Property Occupant: Not applicable

Key Site Manager: Ms. Chelsea Ayala, Michael Brandman Associates (MBA), was identified as the CEQA Project Manager

### **4.7 *Reason for Performing Screening Level Environmental Analysis***

The purpose of this “screening level” Environmental Site Assessment is to assist in identifying any potential hazardous materials related risks that the proposed project may encounter during implementation and construction (per CEQA significance criteria). PG&E plans to install an underground pipeline from Esparta in Yolo County to Roseville in Placer County via lines identified as 406/407.

### **4.8 *Other***

Ms. Chelsea Ayala, MBA affiliate, supplied Hanover with supplemental information regarding the subject corridor. Background data was utilized to distinguish project boundaries and landscape details. No known recognized environmental conditions were reported or recorded by MBA or their affiliates.



## 5.0 Records Review

### 5.1 Standard Environmental Record Sources

Environmental FirstSearch Network provided information on standard environmental records. The standard environmental record sources and approximate minimum search distances were included per ASTM Practice E 1527-05 Section 8.2.1.

Standard Environmental Record Sources	Approximate Minimum Search Distance (mi)
Federal NPL Site List	1.0
Federal Delisted NPL Site List	0.5
Federal CERCLIS List	0.5
Federal CERCLIS NFRAP Site List	0.5
Standard Environmental Record Sources	Approximate Minimum Search Distance (mi)
Federal RCRA CORRACTS Facilities List	1.0
Federal RCRA Non-CORRACTS TSD Facilities List	0.5
Federal RCRA Generators List	Property/Adjoining Properties
Federal Institutional Control/Engineering Control Registries	Property Only
Federal ERNS List	Property Only
State- and Tribal-Equivalent NPL	1.0
State- and Tribal-Equivalent CERCLIS	0.5
State and Tribal Landfill and/or Solid Waste Disposal Site Lists	0.5
State and Tribal Leaking Storage Tank Lists	0.5
State and Tribal Registered Storage Tank Lists	Property/Adjoining Properties
State and Tribal Institutional Control/Engineering Control Registries	Property Only
State and Tribal Voluntary Cleanup Sites	0.5
State and Tribal Brownfield Sites	0.5

Descriptions of the environmental records searched, original source of information, approximate search distance, date information was last updated by FirstSearch, and date information was last updated by original source are listed in Appendix C. Section 5.3 discusses the results of this review.

### 5.2 Additional Environmental Record Sources

Information on additional environmental records was provided by FirstSearch. Descriptions of the additional environmental records searched, original source of information, approximate search distance, date information was last updated by FirstSearch, and date information was last updated by original source are listed in Appendix C. Section 5.3 discusses the results of this review.

### 5.3 Standard and Additional Environmental Record Review Results

The database search summary, provided by FirstSearch, reported that the subject corridor was listed in four databases. These databases include RCRAInfo, State/Tribal Sites, State/Tribal UST AST and FINDS. The 500-foot corridor database search identified several potential sites or “hits” along the project corridor. These sites were the subject of site investigations. However, upon site visits, some of these sites were located outside the corridor. Provided below is a summary of the databases and the identified hits located within the databases searched for the project corridor.

#### RCRAInfo - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM:

RCRAInfo is the Environmental Protection Agency’s (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites, which generate, transport, 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 1kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100kg and 1000 kg of hazardous waste per month.

Large quantity generators generate over 1000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

#### FINDS - FACILITY INDEX SYSTEM:

FINDS is an index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

#### State/Tribal UST/AST: CA EPA/COUNTY/CITY ABOVEGROUND STORAGE TANKS LISTING:

The Above Ground Petroleum Storage Act became State Law effective January 1, 1990. In general, the law requires owners or operators of Aboveground Storage Tanks (AST's) with petroleum products to file a storage statement and pay a fee by July 1, 1990 and every two years thereafter, take specific action to prevent spills and, in certain instances, implement a groundwater monitoring program. This law does not apply to that portion of a tank facility associated with the production oil and regulated by the State Division of Oil and Gas of the Dept. of Conservation.

- CONSOLIDATED DEALER SYSTEMS located at 2546 RIEGO RD, PLEASANT GROVE CA (Site Map Sheet 6 of 7, ID# CAD982445512). This site was identified in the RCRAInfo and FINDS databases and plotted within the property corridor. During the site inspection the Hanover representative did not identify any potential hazardous material related risks associated within the subject corridor.
- MEYER FOOD STORE, / REGIO MARKET & DELI, located at 8000 PLEASANT GROVE RD, ELVERTA CA 95626 (Site Map Sheet 6 of 7, ID# TISID-STATE34999 / ID# PLACERCO\_PR000713, respectively). This site has active USTs. This site was located within the search 500' linear corridor. The proposed pipeline location will not be located within the UST location. This site is not a recognized environmental condition in association with the subject property. This site is listed in multiple databases.
- ACTIVE UST - MCI TELECOMMUNICATIONS, 3387 RIEGO RD, PLEASANT GROVE CA 95668 (Site Map Sheet 6 of 7, ID# CAD982332868). The proposed pipeline will not be located within the UST location. This site is not a recognized environmental condition in association with the subject property.
- STATE - CORNELIUS AIRSTRIP, RIEGO RD and PACIFIC AVE, PLEASANT GROVE CA 95668 (Site Map Sheet 6 of 7, ID# CAL51070016). This site is not a recognized environmental condition in association with the subject corridor.

#### 5.3.1 Federal Environmental Records

Multiple sites were identified within the search radius of the subject property in the Federal Regulatory records databases. A complete listing and description of databases that were searched are included in Appendix C.

All sites identified in the FirstSearch Databases listed as 0.0 miles from the subject corridor were visually inspected by the Hanover representatives. During the inspections the representatives reported that these sites were not actually located within the subject corridor; "hits" were identified based on the corresponding street address, which was within the corridor, however the potential sites were actually located outside of the project's 500-foot buffer.

Hanover representatives reported that there was no visual evidence of any recognized environmental conditions in association with the subject corridor.

### *5.3.2 State Environmental Records*

Multiple sites were identified within the search radius of the subject property in the State Regulatory records databases. A complete listing and description of databases that were searched are included in Appendix C.

All sites identified in the FirstSearch Databases listed as 0.0 miles from the subject corridor were visually inspected by the Hanover representatives. During the inspections the representatives reported that these sites were not actually located within the subject corridor; “hits” were identified based on the corresponding street address, which was within the corridor, however the potential sites were actually located outside of the project’s 500-foot buffer.

#### 5.3.2.1 Non GeoCoded Sites:

The State government database search included sites that are within the ASTM search range of the subject corridor. However, potential sites exist that are in the general vicinity of the project corridor but there is not enough information provided to databases to map these “orphan” sites or determine if they are within the ASTM search range. The database summary indicates that there are one hundred and thirteen (113) orphan sites within the project corridor’s search radius. Unmapped (Non GeoCoded) sites are not considered in the foregoing analysis.

#### 5.3.2.2 State Water Resources Control Board GeoTracker Database

The Hanover representative reviewed the online State Water Resources Control Board GeoTracker Database. The subject corridor and surrounding properties were not identified.

### **5.4 Historical Use Information on the Property and Adjoining Properties Sources and Results**

Hanover representative reviewed information from several historical use sources (Appendix D). A summary of the information concludes that the project corridor has been structurally undeveloped dating back to 1952. The following resources provide further historical information:

#### **5.4.1 Aerial Photographs**

Aerial Photographs were reviewed to determine past land use patterns of the project corridor and surrounding properties. The subject corridor was vacant in all aerial photographs supplied by FirstSearch. Aerial photographs from 1952, 1962, 1987 and 1998 were reviewed and are available upon request. The subject corridor follows roads in the majority of the aerial photographs reviewed. There were no structures observed within the subject corridor. Surrounding properties were vacant and agricultural in nature.

#### **5.4.2 Fire Insurance Maps**

Fire Insurance Maps were reviewed to determine past land use patterns of the subject and surrounding properties. Maps from 1894, 1897, 1907, 1921 and 1930 were reviewed by the Hanover representative. These maps were of Knights Landing and Zamora. The subject corridor is located south of these maps. There was no map coverage available for the subject corridor. Existing maps are attached in Appendix D.

#### **5.4.3 Summary of Historical Use of the Subject Property**

1952 – Present: The project corridor is primarily undeveloped. Historical uses of the subject corridor include public utilities with surrounding properties used for agriculture.

## **6.0 Site Reconnaissance**

### **6.1 Methodology and Limiting Conditions**

The Hanover representative performed site reconnaissances on April 24<sup>th</sup>, 25<sup>th</sup> and May 1<sup>st</sup> 2008 to obtain information indicating the likelihood of identifying recognized environmental conditions in association with the subject property.

The periphery of the corridor was visually and/or physically observed. Parcels within the corridor were viewed from all adjacent public thoroughfares. For general information about the subject property, Hanover relied on information provided by the MBA.

Local government records research (including Title Reports and Historic Use Information obtained from, although not limited to, the following: Assessor's Office, Building Department, Environmental Health Department, Agricultural Department, Water Districts or Associations, Fire Department) was not conducted by the Hanover representative; it was not included in the scope of work.

Interviews with property owners, occupants, local government officials, and others were not conducted; interviews were not part of the scope of work.

While the Hanover representative collected reasonably ascertainable historical information, gaps in evidence of individual property uses exist. Based on information obtained during the interview process and general knowledge of the history of this vicinity of the corridor, it is the opinion of the Hanover representative that the historical subject property uses have been adequately defined.

## **6.2 General Site Setting**

Weather conditions during the April 24<sup>th</sup>, 25<sup>th</sup> and May 1<sup>st</sup> 2008 site inspections were dry and cloudy with temperatures in the 70°F range. The subject corridor is undeveloped. Adjoining properties were agricultural residential in nature.

## **6.3 Exterior Observations**

The following information and observations were discovered during the site inspections, refer to Site Map Sheets 1-7:

- Approximately 55 pole mounted transformers
- An empty, rusted 55-gallon drum
- A refrigerator
- An underground gas valve
- A pile of concrete debris
- A 500-gallon AST containing diesel fuel
- A 250-gallon mobile AST containing diesel fuel
- 2 empty 5-gallon buckets of hydraulic fluid and motor oil
- A natural gas well
- Minor staining observed around AST(s)
- No odors associated with a spill, leak or release of hazardous materials

## **6.4 Interior Observations**

- No interiors were observed at the time of the inspection.

## **7.0 Interviews**

### **7.1 Interview with Property Owner Representative**

Interviews were not conducted as a part of this "screening level" assessment.

### **7.2 Interviews with Local Government Officials**

Interviews were not conducted as a part of this "screening level" assessment.

## 8.0 Findings, Opinions, and Conclusions

Hanover has performed a "screening level" Environmental Site Assessment in conformance with the scope and limitation of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and ASTM Standard Practice for Environmental Site Assessments E 1527-05 for the subject property described as a 500 ft. buffer along a 40-mile corridor from Esparta to Roseville in Yolo and Placer Counties, California. Any exceptions to, or deletions from this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

While no environmental site assessment can fully eliminate the uncertainty regarding the potential for recognized environmental conditions, the ASTM standard does cite the balance between appropriate levels of inquiry and the cost of such exhaustive investigations. The information contained in this report would lead one to the opinion that the probability of recognized environmental conditions in association with the project corridor *is not* significant enough to warrant further investigation.

## 9.0 Qualification and Signature

Hanover Environmental Services, Inc. has performed this assessment under my supervision in accordance with generally accepted environmental practices and procedures, as of the date of this report. I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this assessment are based upon site conditions readily observed or were reasonably ascertainable and present at the time of the site inspection.

The conclusions and recommendations stated in this report are based upon personal observations made by employees of Hanover Environmental Services, Inc. and upon information provided by others. I have no reason to suspect or believe that the information provided is inaccurate.

Signature of Senior Environmental Assessor - *Will Bono, REA #04233*



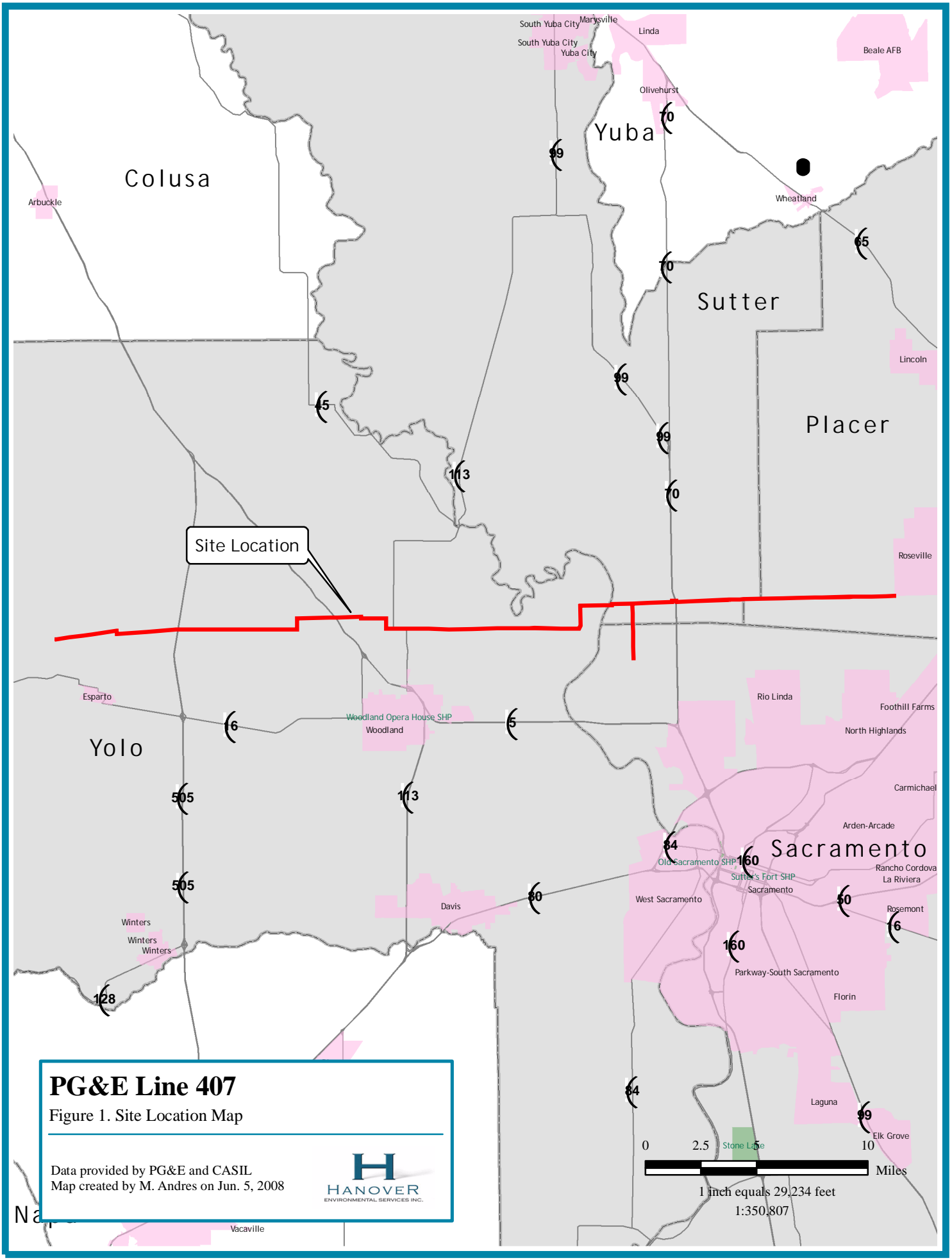
\_\_\_\_\_  
Signature/Seal of Senior Environmental Assessor

10 June 2008

Date

## Appendix A: Subject Property Maps

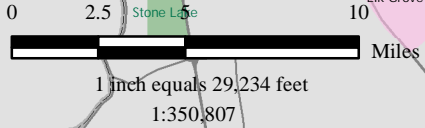
## Site Location Map



# PG&E Line 407

Figure 1. Site Location Map

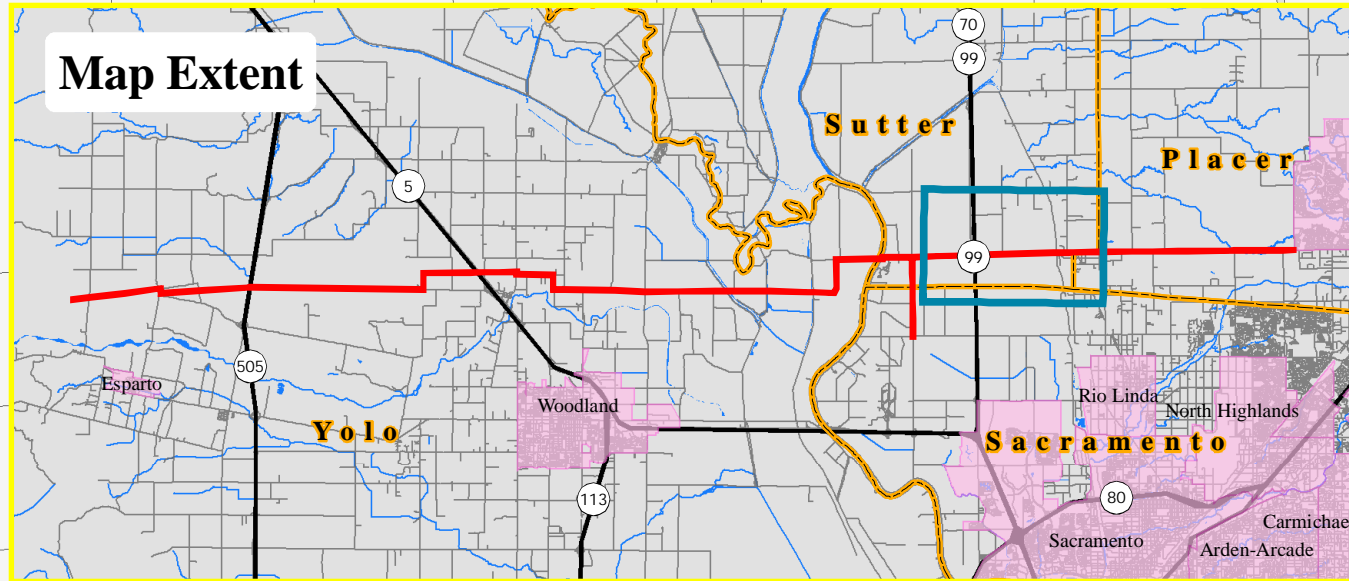
Data provided by PG&E and CASIL  
 Map created by M. Andres on Jun. 5, 2008



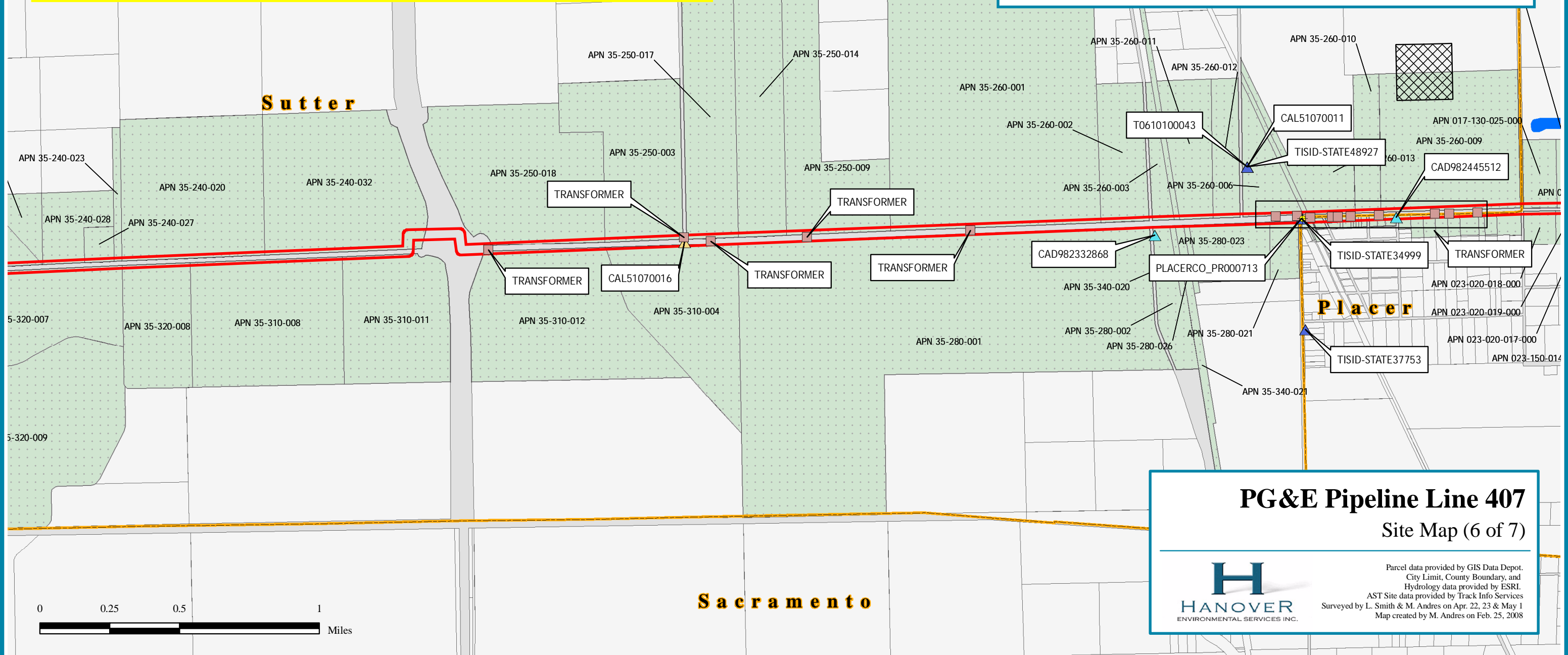


## Site Map

# Map Extent



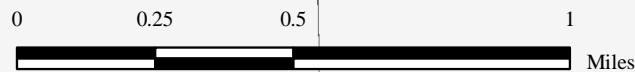
Project Boundary		Historical ASTM Sites		ASTM Sites	
	Project Boundary		FED IC / EC		AST
	Photo Point		LUST		CONCRETE DEBRIS
	Parcel Boundary		OTHER		DIESEL TANK
	City Limit Boundary		RCRAGN		DRUM
	County Boundary		RCRANLR		EMPTY 5 GAL. BUCKET
	Hydrology		STATE		GAS VALVE
			UST		MOBILE AST
			VCP		REFRIGERATOR
			SWL		TRANSFORMER



## PG&E Pipeline Line 407 Site Map (6 of 7)

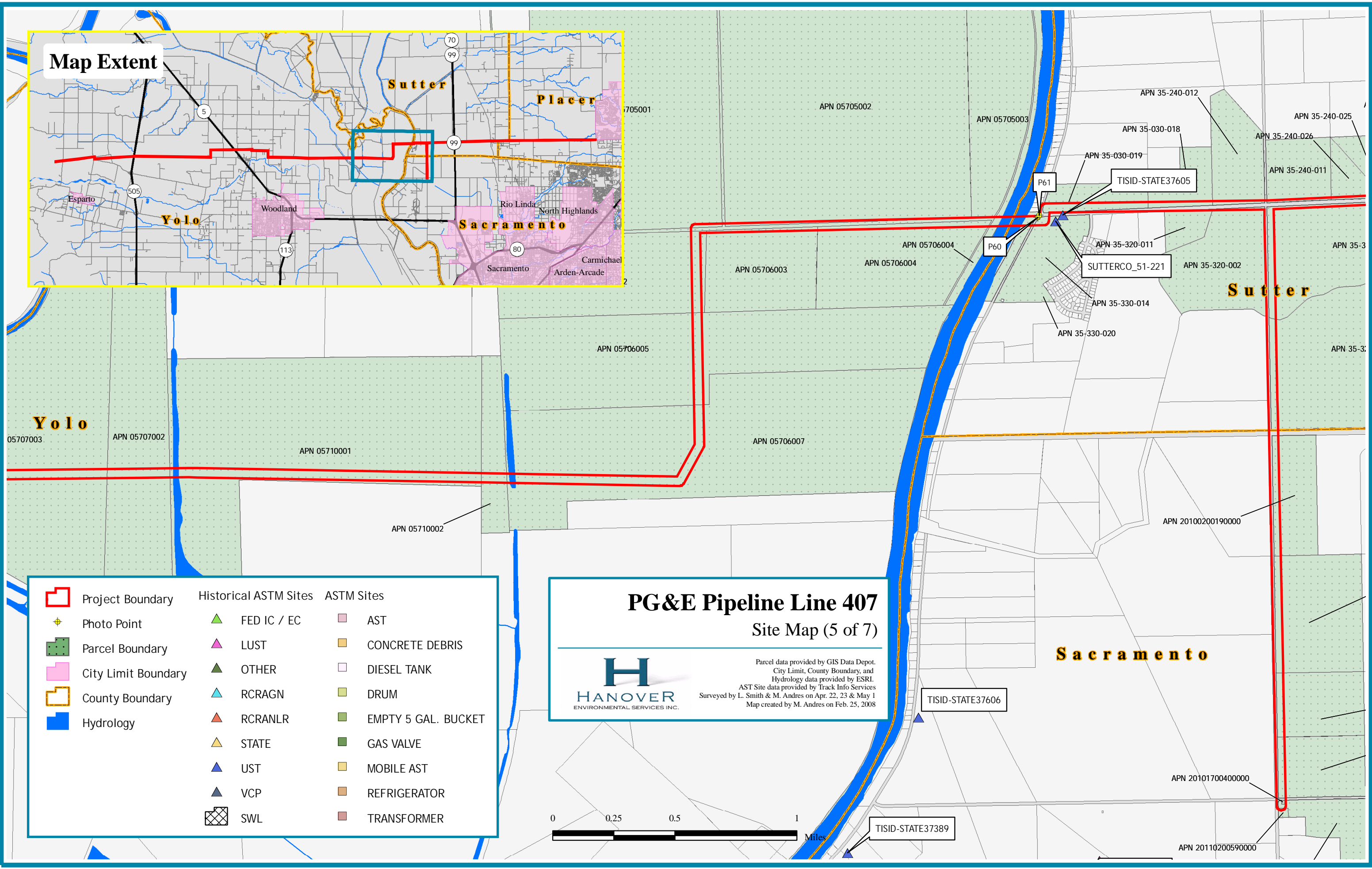
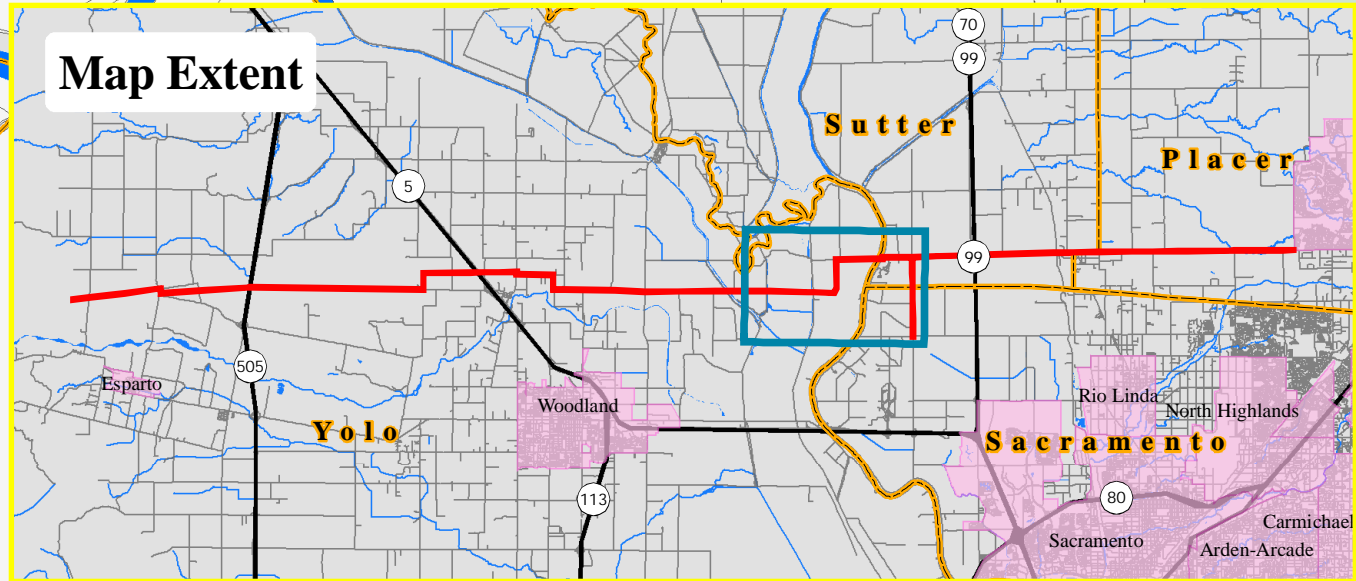


Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008



Sacramento

# Map Extent



Project Boundary		Historical ASTM Sites		ASTM Sites	
[Red outline]	Project Boundary	[Green triangle]	FED IC / EC	[Pink square]	AST
[Yellow crosshair]	Photo Point	[Purple triangle]	LUST	[Orange square]	CONCRETE DEBRIS
[Green dashed line]	Parcel Boundary	[Green triangle]	OTHER	[White square]	DIESEL TANK
[Pink dashed line]	City Limit Boundary	[Cyan triangle]	RCRAGN	[Light green square]	DRUM
[Orange dashed line]	County Boundary	[Red triangle]	RCRANLR	[Dark green square]	EMPTY 5 GAL. BUCKET
[Blue shaded area]	Hydrology	[Yellow triangle]	STATE	[Dark green square]	GAS VALVE
		[Blue triangle]	UST	[Light brown square]	MOBILE AST
		[Dark blue triangle]	VCP	[Brown square]	REFRIGERATOR
		[Cross-hatched square]	SWL	[Brown square]	TRANSFORMER

## PG&E Pipeline Line 407 Site Map (5 of 7)

**HANOVER**  
ENVIRONMENTAL SERVICES INC.

Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008



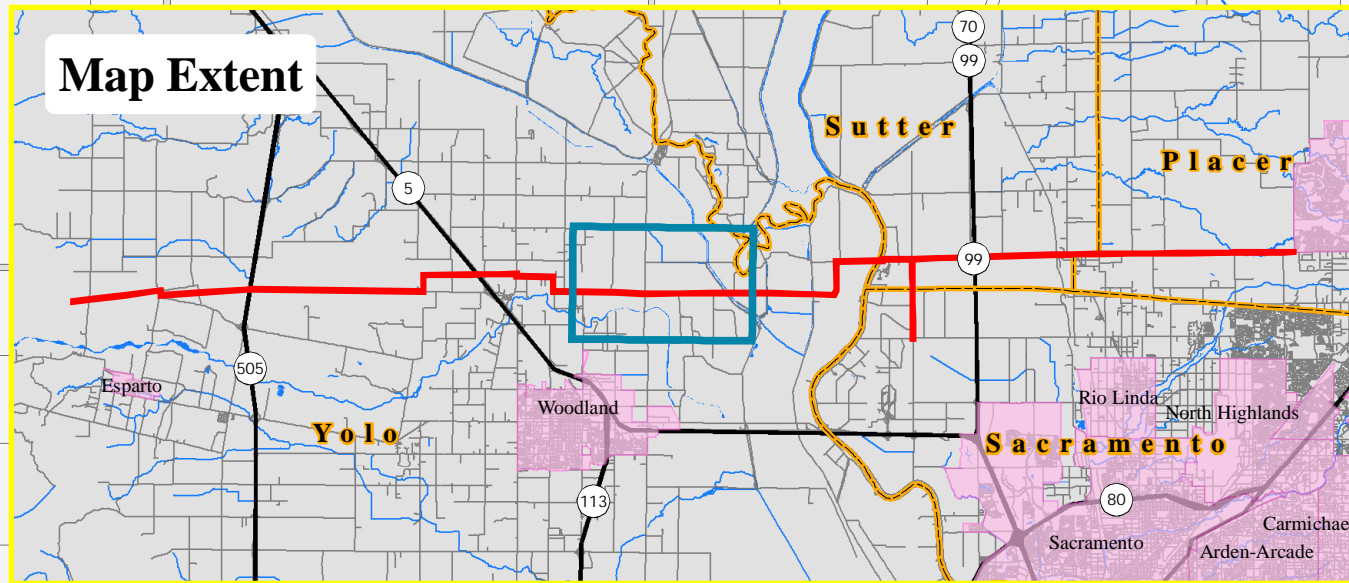
TISID-STATE37606

TISID-STATE37389

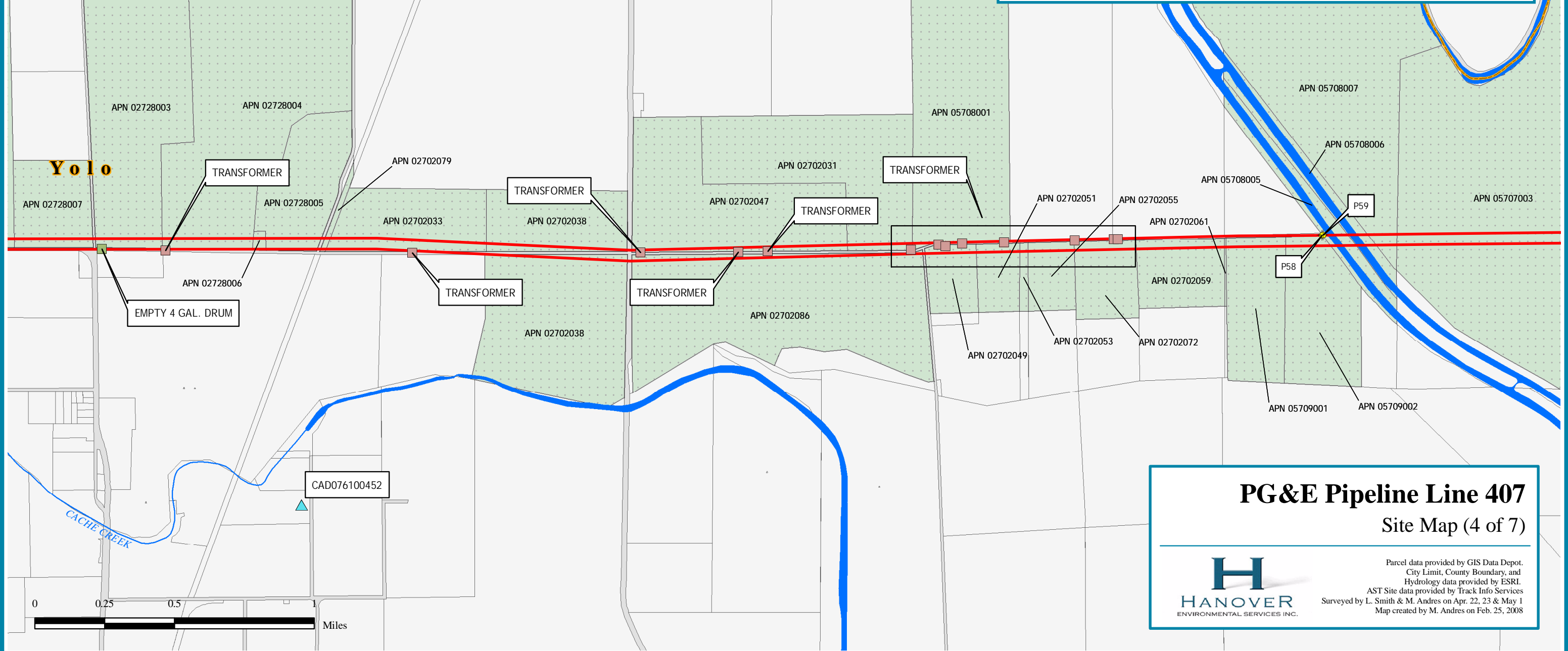
APN 20101700400000

APN 20110200590000

# Map Extent



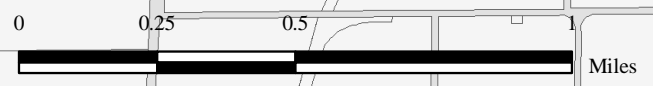
Project Boundary		Historical ASTM Sites		ASTM Sites	
[Red outline]	Project Boundary	[Green triangle]	FED IC / EC	[Pink square]	AST
[Yellow crosshair]	Photo Point	[Purple triangle]	LUST	[Orange square]	CONCRETE DEBRIS
[Green dashed line]	Parcel Boundary	[Green triangle]	OTHER	[White square]	DIESEL TANK
[Pink outline]	City Limit Boundary	[Cyan triangle]	RCRAGN	[Light green square]	DRUM
[Yellow outline]	County Boundary	[Red triangle]	RCRANLR	[Dark green square]	EMPTY 5 GAL. BUCKET
[Blue area]	Hydrology	[Yellow triangle]	STATE	[Dark green square]	GAS VALVE
		[Blue triangle]	UST	[Yellow square]	MOBILE AST
		[Grey triangle]	VCP	[Brown square]	REFRIGERATOR
		[Cross-hatch]	SWL	[Brown square]	TRANSFORMER



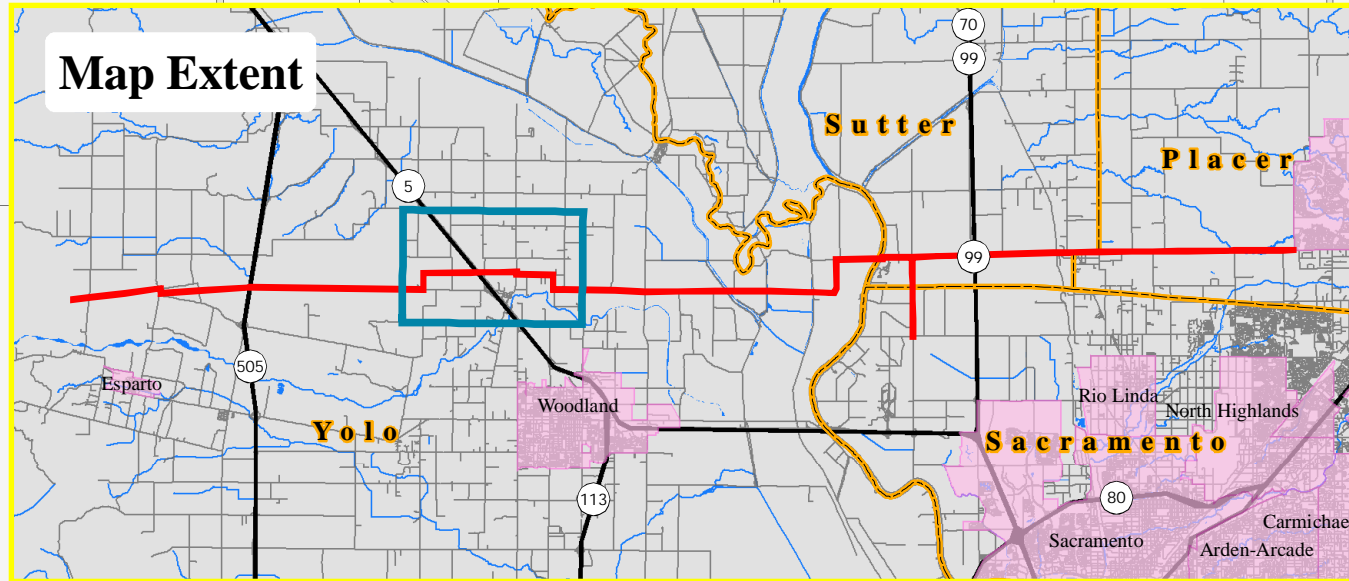
## PG&E Pipeline Line 407 Site Map (4 of 7)



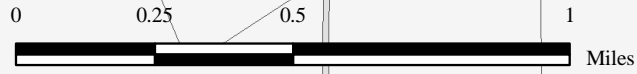
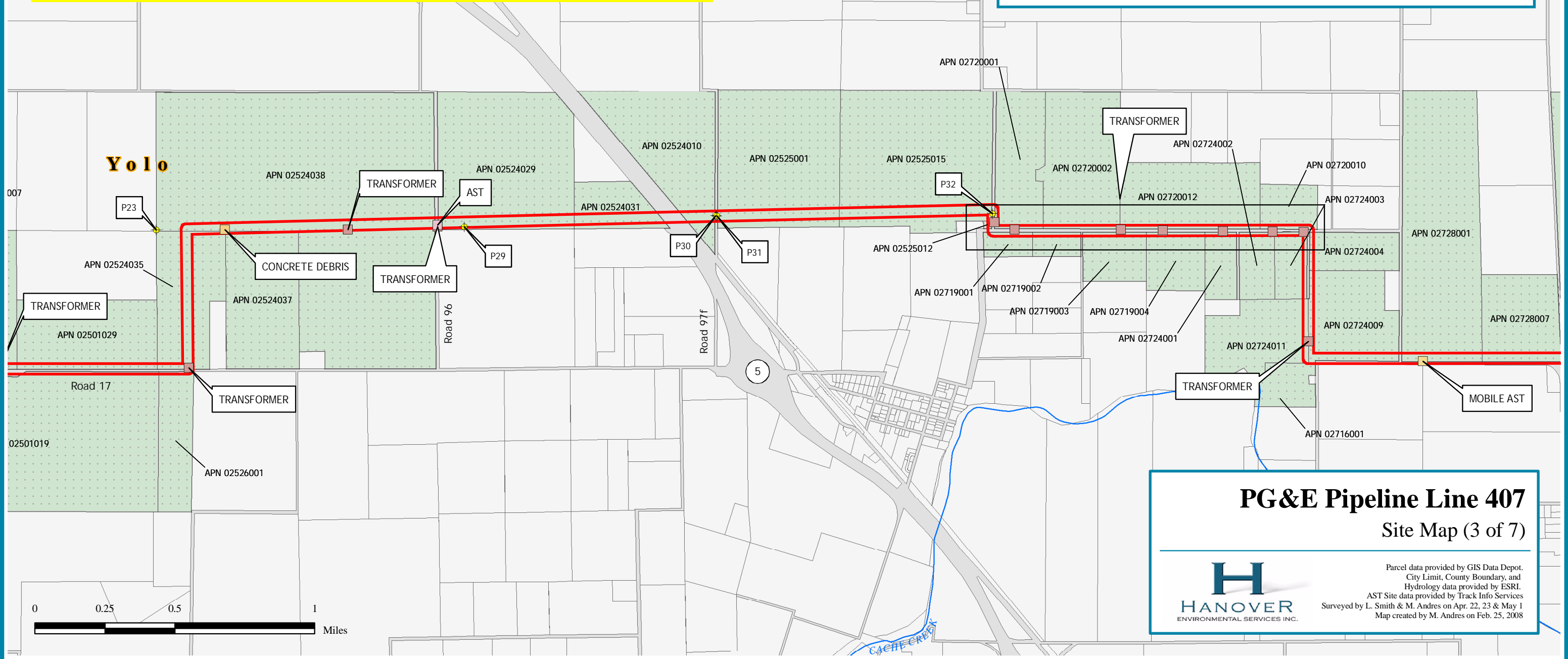
Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008



# Map Extent




Project Boundary		Historical ASTM Sites		ASTM Sites	
[Red outline]	Project Boundary	[Green triangle]	FED IC / EC	[Pink square]	AST
[Yellow crosshair]	Photo Point	[Purple triangle]	LUST	[Orange square]	CONCRETE DEBRIS
[Green dashed line]	Parcel Boundary	[Green triangle]	OTHER	[White square]	DIESEL TANK
[Pink outline]	City Limit Boundary	[Blue triangle]	RCRAGN	[Light green square]	DRUM
[Yellow outline]	County Boundary	[Red triangle]	RCRANLR	[Dark green square]	EMPTY 5 GAL. BUCKET
[Blue outline]	Hydrology	[Yellow triangle]	STATE	[Dark green square]	GAS VALVE
		[Blue triangle]	UST	[Yellow square]	MOBILE AST
		[Blue triangle]	VCP	[Orange square]	REFRIGERATOR
		[Cross-hatch]	SWL	[Brown square]	TRANSFORMER



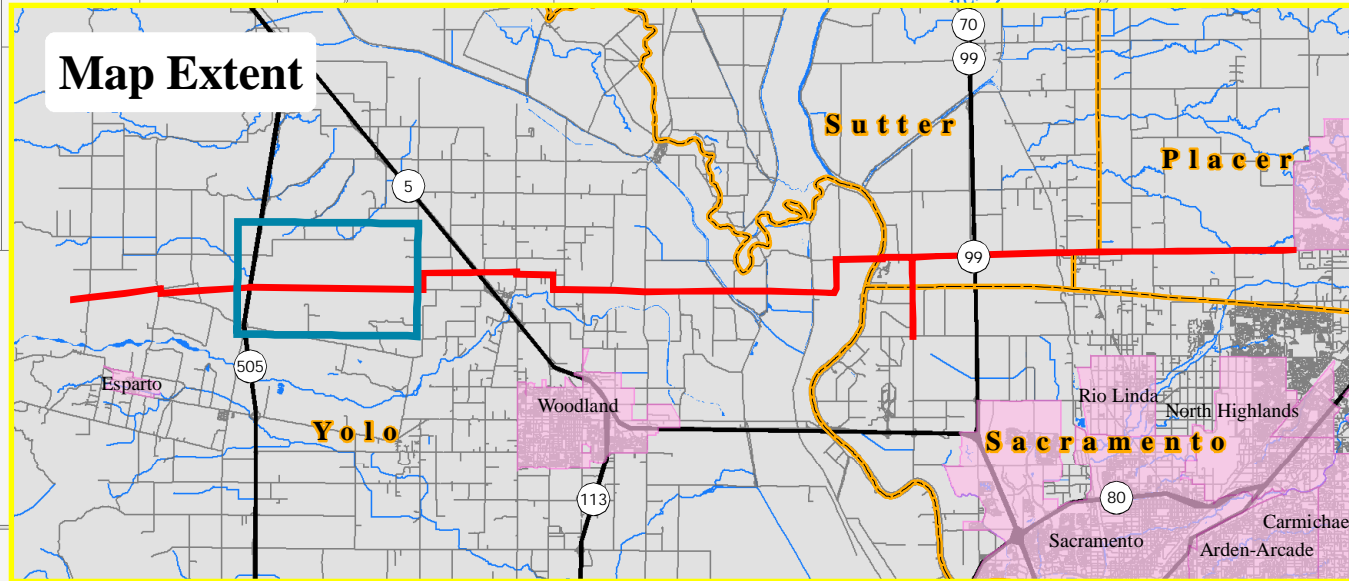
## PG&E Pipeline Line 407

### Site Map (3 of 7)

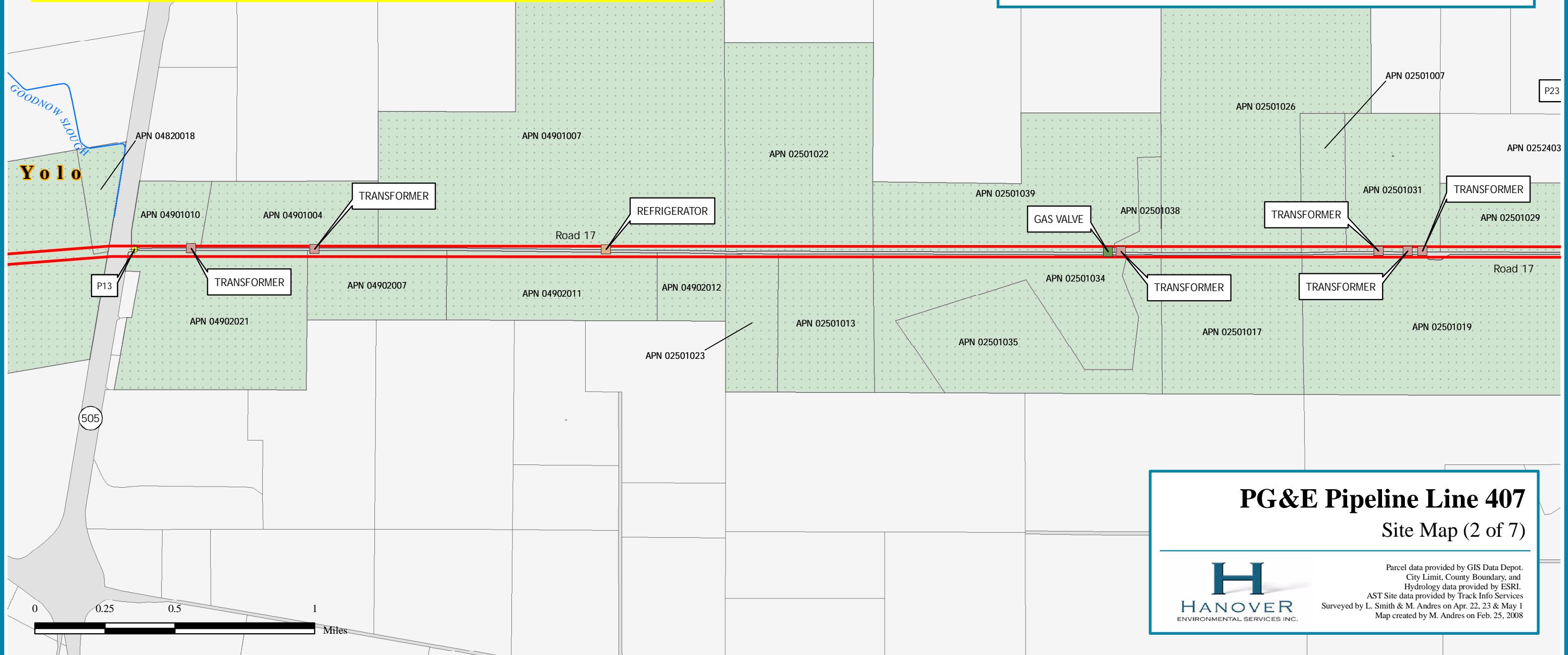


Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008

# Map Extent



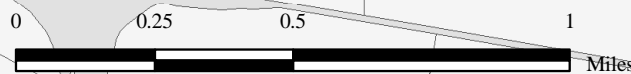
Project Boundary		Historical ASTM Sites		ASTM Sites	
[Red outline]	Project Boundary	[Green triangle]	FED IC / EC	[Pink square]	AST
[Green cross]	Photo Point	[Purple triangle]	LUST	[Orange square]	CONCRETE DEBRIS
[Green dashed]	Parcel Boundary	[Green triangle]	OTHER	[White square]	DIESEL TANK
[Pink dashed]	City Limit Boundary	[Blue triangle]	RCRAGN	[Light green square]	DRUM
[Orange dashed]	County Boundary	[Red triangle]	RCRANLR	[Dark green square]	EMPTY 5 GAL. BUCKET
[Blue solid]	Hydrology	[Yellow triangle]	STATE	[Dark green square]	GAS VALVE
		[Blue triangle]	UST	[Yellow square]	MOBILE AST
		[Dark blue triangle]	VCP	[Brown square]	REFRIGERATOR
		[Cross-hatch]	SWL	[Brown square]	TRANSFORMER



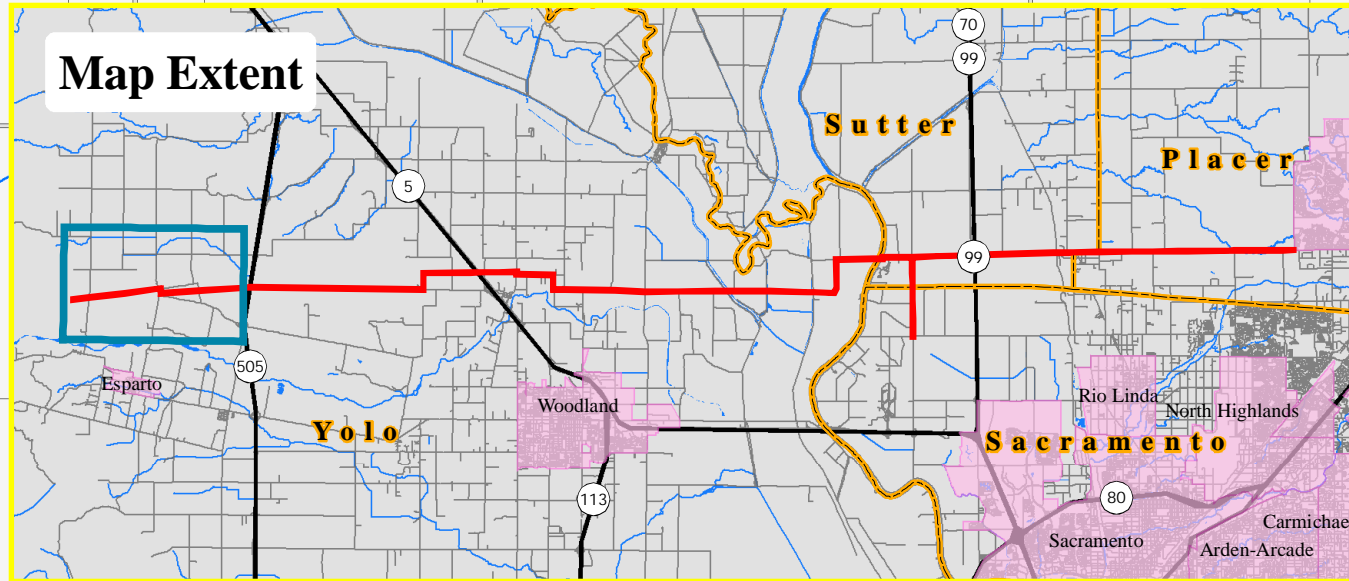
## PG&E Pipeline Line 407 Site Map (2 of 7)



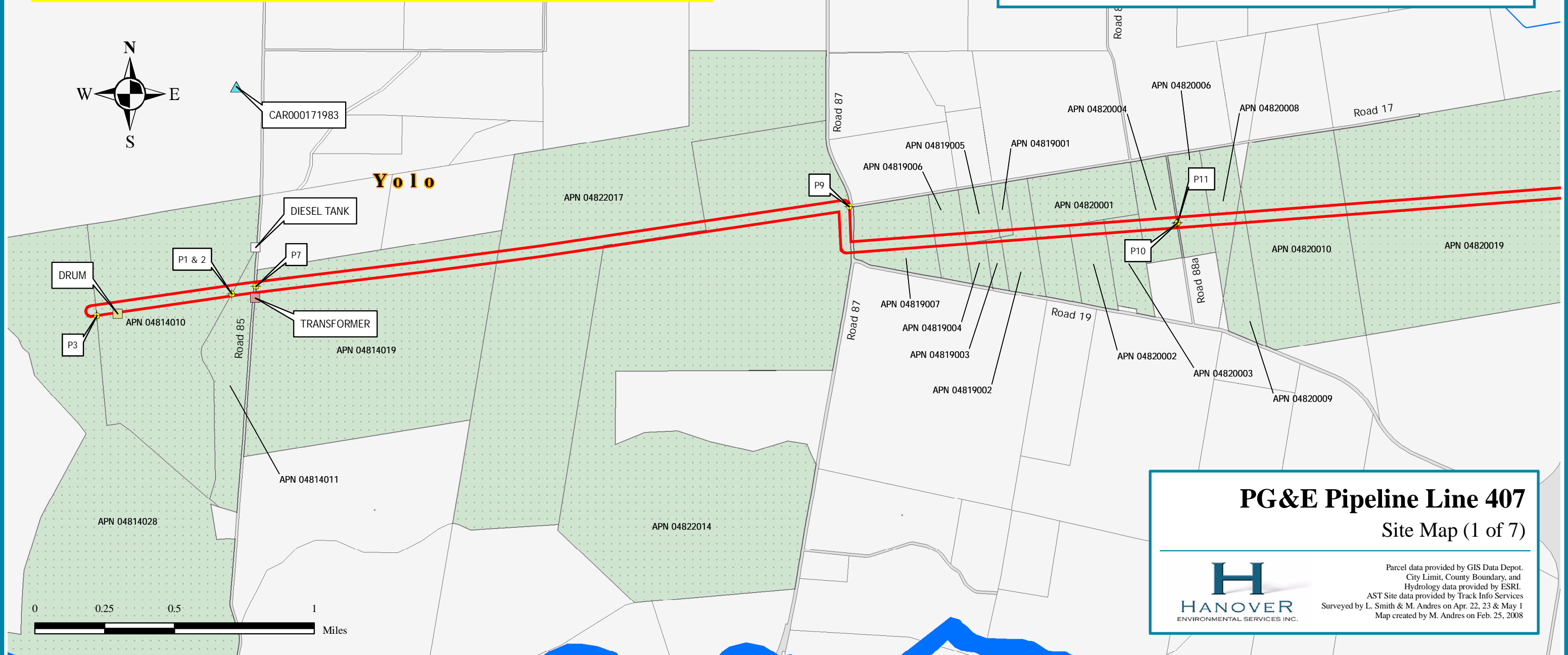
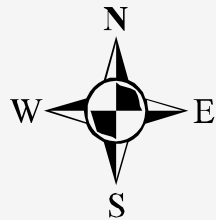
Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008



**Map Extent**



Project Boundary		Historical ASTM Sites		ASTM Sites	
[Red outline]	Project Boundary	[Green triangle]	FED IC / EC	[Pink square]	AST
[Yellow crosshair]	Photo Point	[Purple triangle]	LUST	[Orange square]	CONCRETE DEBRIS
[Green dashed line]	Parcel Boundary	[Green triangle]	OTHER	[White square]	DIESEL TANK
[Pink outline]	City Limit Boundary	[Blue triangle]	RCRAGN	[Light green square]	DRUM
[Orange outline]	County Boundary	[Red triangle]	RCRANLR	[Dark green square]	EMPTY 5 GAL. BUCKET
[Blue area]	Hydrology	[Yellow triangle]	STATE	[Green square]	GAS VALVE
		[Blue triangle]	UST	[Yellow square]	MOBILE AST
		[Dark blue triangle]	VCP	[Brown square]	REFRIGERATOR
		[Cross-hatch]	SWL	[Dark brown square]	TRANSFORMER

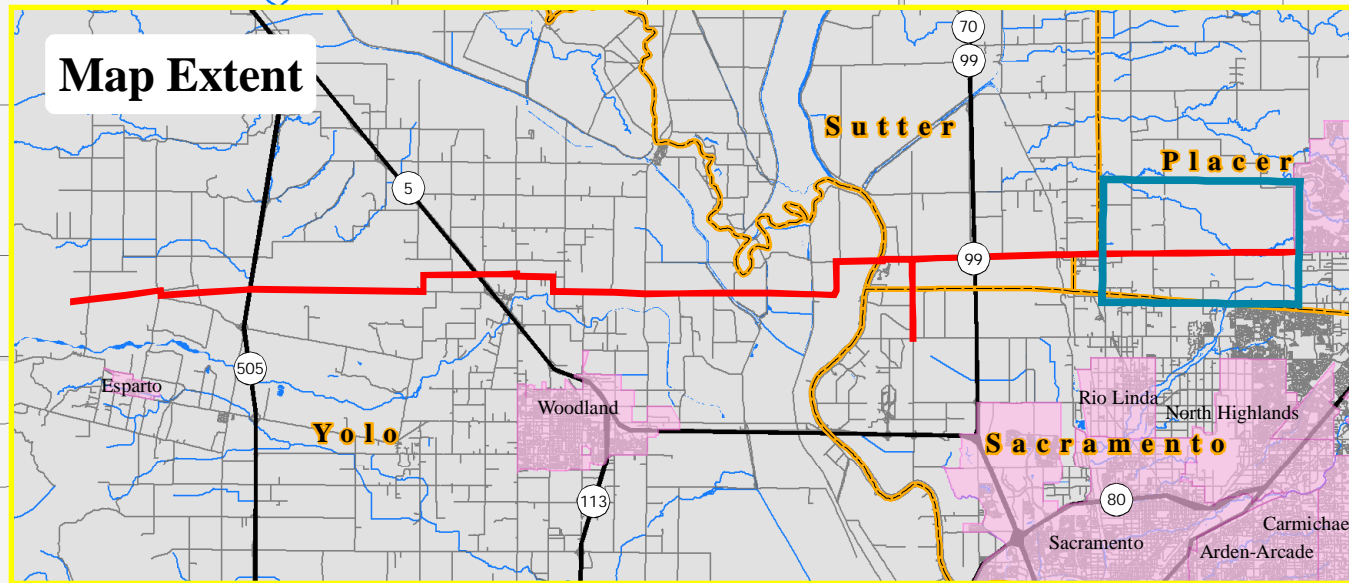


**PG&E Pipeline Line 407**  
Site Map (1 of 7)

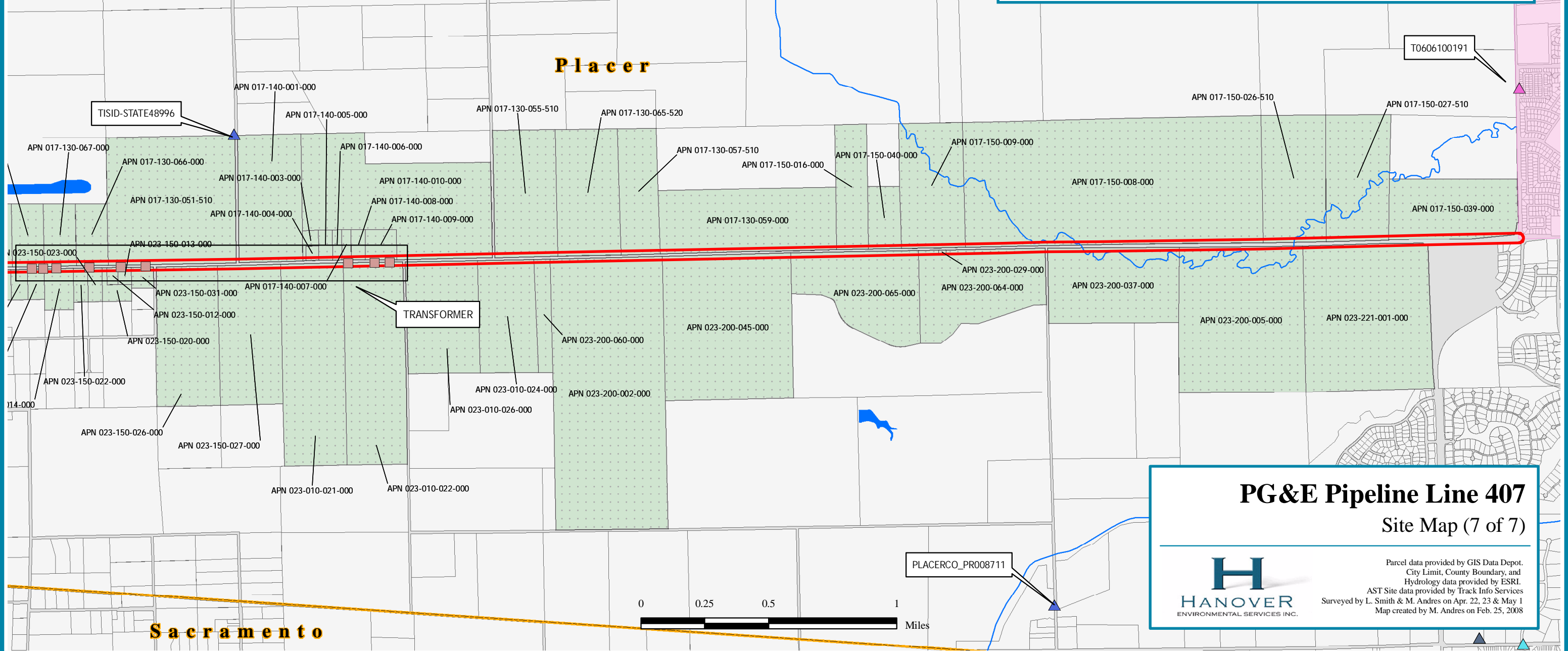


Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008

# Map Extent



Project Boundary		Historical ASTM Sites		ASTM Sites	
	Project Boundary		FED IC / EC		AST
	Photo Point		LUST		CONCRETE DEBRIS
	Parcel Boundary		OTHER		DIESEL TANK
	City Limit Boundary		RCRAGN		DRUM
	County Boundary		RCRANLR		EMPTY 5 GAL. BUCKET
	Hydrology		STATE		GAS VALVE
			UST		MOBILE AST
			VCP		REFRIGERATOR
			SWL		TRANSFORMER



## PG&E Pipeline Line 407 Site Map (7 of 7)



Parcel data provided by GIS Data Depot.  
City Limit, County Boundary, and Hydrology data provided by ESRI.  
AST Site data provided by Track Info Services  
Surveyed by L. Smith & M. Andres on Apr. 22, 23 & May 1  
Map created by M. Andres on Feb. 25, 2008





**Photo 61:** A pole mounted transformer located in the subject corridor.



**Photo 62:** The subject corridor viewing in a northerly direction.



**Photo 63:** A pole mounted transformer located in the subject corridor.



**Photo 64:** A pole mounted transformer located in the subject corridor.



**Photo 65:** A pole mounted transformer located in the subject corridor.



**Photo 66:** A pole mounted transformer located in the subject corridor.



**Photo 67:** A pole mounted transformer located in the subject corridor.



**Photo 68:** A pole mounted transformer located in the subject corridor.



**Photo 69:** A pole mounted transformer located in the subject corridor.



**Photo 70:** 8000 Pleasant Grove Rd is adjacent to the subject corridor to the south.



**Photo 71:** A pole mounted transformer located in the subject corridor.



**Photo 72:** A pole mounted transformer located in the subject corridor.



**Photo 73:** A pole mounted transformer located in the subject corridor.



**Photo 74:** A pole mounted transformer located in the subject corridor.



**Photo 75:** A pole mounted transformer located in the subject corridor.



**Photo 76:** A pole mounted transformer located in the subject corridor.



**Photo 77:** A pole mounted transformer located in the subject corridor.



**Photo 78:** A pole mounted transformer located in the subject corridor.



**Photo 79:** A pole mounted transformer located in the subject corridor.



**Photo 80:** A pole mounted transformer located in the subject corridor.



**Photo 81:** A pole mounted transformer located in the subject corridor.



**Photo 82:** A pole mounted transformer located in the subject corridor.



**Photo 83:** A pole mounted transformer located in the subject corridor.



**Photo 84:** A pole mounted transformer located in the subject corridor.





**Photo 85:** A pole mounted transformer located in the subject corridor.



**Photo 86:** A pole mounted transformer located in the subject corridor.

## Appendix C: Regulatory Records Review

*Environmental FirstSearch*  
*Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SOILS

**SEARCH ID:** 60

**DIST/DIR:** 0.00 --

**MAP ID:** 1

**NAME:** USSOILS DATA  
**ADDRESS:** CA

**REV:** 3/18/97  
**ID1:** CASO-18-1575  
**ID2:** CA410  
**STATUS:** STATSGO  
**PHONE:**

**CONTACT:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

**WATER CAPACITY (INCHES PER INCH):** 0.13  
**PERCENT CLAY (PERCENT < 2mm):** 46.7  
**K FACTOR:** 0.23  
**ORGANIC MATERIAL (PERCENT BY WEIGHT):** 0.9  
**SOIL PERMEABILITY (INCHES PER HOUR):** 0.23  
**CUMULATIVE LAYER THICKNESS (INCHES):** 60.9  
**HYDROLOGIC CHARACTERISTICS:** 3.9  
**SOIL DRAINAGE:** 5.2  
**SURFACE SLOPE (PERCENT):** 1  
**LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):** 50.3  
**HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):** 0.3  
**ANNUAL FLOOD FREQUENCY:** 2.9

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**  
1 = HIGH INFILTRATION  
2 = MODERATE INFILTRATION  
3 = SLOW INFILTRATION  
4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**  
1 = EXCESS  
2 = MODERATE EXCESS  
3 = WELL  
4 = MODERATELY WELL  
5 = MODERATELY POOR  
6 = POOR  
7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**  
1 = GREATER THAN 50 PERCENT  
2 = 5 TO 50 PERCENT  
3 = 0 TO 5 PERCENT  
4 = NONE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 21

**DIST/DIR:** 0.00 --

**MAP ID:** 2

**NAME:** MONROE'S LANDFILL  
**ADDRESS:** 8784 PALLADAY ROAD  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 04/09/08  
**ID1:** SWIS34-CR-5008  
**ID2:**  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**

**SITE OPERATOR INFORMATION:**

**Operator:** Stark J E  
**Operator Address:** 8784 Palladay Road Elverta CA 95626  
**Permit Date:**  
**Permit Status:**  
**Land Use Name:** Rural, Residential, Agricultural  
**GIS Source for LAT and LONG:** Map

**SITE ACTIVITY INFORMATION:**

**Activity:** Solid Waste Disposal Site  
**Accepted Waste:**  
**Operational Status:** Closed  
**Regulatory Status:** Pre-regulations  
**Program Type:**  
**Closure Date:**  
**Closure Type:**  
**Permitted Throughput with Units:** 0  
**Permitted Capacity with Units:** 0  
**Remaining Capacity with Units (landfills only):** 0  
**Permitted Total Acreage:** 0  
**Permitted Disposal Acreage:** 0  
**Last Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** Annual

**SITE OWNER INFORMATION:**

**Owner:** Miller Edward And Becky  
**Owner Phone:**  
**Owner Address:** P.O. Box 571

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 67                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 3

**NAME:** USGS-DIGITAL DATA SERIES-11                                      **REV:** 1/19/99  
**ADDRESS:** US                                      **ID1:** DDS-USGS-12356  
**CONTACT:**                                      **ID2:**                                      **STATUS:** BEDROCK GEOLOGY  
**PHONE:**                                      **PHONE:**                                      **PHONE:**

**SITE INFORMATION**

**AREA:** 0.0457565  
**PERIMETER:** 1.36517  
**ROCK DESCRIPTION:** Pliocene continental  
**METAMORPHOSIS:** No Metamorphism  
**STRATIGRAPHIC ORDER:** 8 - Stratigraphic order from youngest (1) to oldest (162)

**SOILS**

**SEARCH ID:** 53                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 4

**NAME:** USGS-DIGITAL DATA SERIES-11                                      **REV:** 1/19/99  
**ADDRESS:** US                                      **ID1:** DDS-USGS-12311  
**CONTACT:**                                      **ID2:**                                      **STATUS:** BEDROCK GEOLOGY  
**PHONE:**                                      **PHONE:**                                      **PHONE:**

**SITE INFORMATION**

**AREA:** 4.28714  
**PERIMETER:** 24.1069  
**ROCK DESCRIPTION:** Quaternary  
**METAMORPHOSIS:** No Metamorphism  
**STRATIGRAPHIC ORDER:** 4 - Stratigraphic order from youngest (1) to oldest (162)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

---

<b>SEARCH ID:</b> 65	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 5
----------------------	--------------------------	------------------

---

<b>NAME:</b> USGS-DIGITAL DATA SERIES-11	<b>REV:</b> 1/19/99
<b>ADDRESS:</b> US	<b>ID1:</b> DDS-USGS-12332
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> BEDROCK GEOLOGY
	<b>PHONE:</b>

---

**SITE INFORMATION**

<b>AREA:</b>	0.13358
<b>PERIMETER:</b>	4.21871
<b>ROCK DESCRIPTION:</b>	Upper Cretaceous
<b>METAMORPHOSIS:</b>	No Metamorphism
<b>STRATIGRAPHIC ORDER:</b>	41 - Stratigraphic order from youngest (1) to oldest (162)

# *Environmental FirstSearch*

## *Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### SOILS

---

<b>SEARCH ID:</b> 64	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 6
----------------------	--------------------------	------------------

---

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1519
	<b>ID2:</b> CA490
<b>CONTACT:</b>	<b>STATUS:</b> STATSGO
	<b>PHONE:</b>

---

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.15
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	28.4
<b>K FACTOR:</b>	0.33
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.4
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	1.37
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	61.4
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.3
<b>SOIL DRAINAGE:</b>	3.3
<b>SURFACE SLOPE (PERCENT):</b>	1.3
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	36.1
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.8

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION
	2 = MODERATE INFILTRATION
	3 = SLOW INFILTRATION
	4 = VERY SLOW INFILTRATION

<b>SOIL DRAINAGE:</b>	1 = EXCESS
	2 = MODERATE EXCESS
	3 = WELL
	4 = MODERATELY WELL
	5 = MODERATELY POOR
	6 = POOR
	7 = VERY POOR

<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT
	2 = 5 TO 50 PERCENT
	3 = 0 TO 5 PERCENT
	4 = NONE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 63                      **DIST/DIR:** 0.00 --                      **MAP ID:** 7

**NAME:** USSOILS DATA  
**ADDRESS:**  
CA

**REV:** 3/18/97  
**ID1:** CASO-18-1611  
**ID2:** CA489  
**STATUS:** STATSGO  
**PHONE:**

**CONTACT:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.16
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	34.3
<b>K FACTOR:</b>	0.35
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.5
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.5
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	60.6
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.9
<b>SOIL DRAINAGE:</b>	3.1
<b>SURFACE SLOPE (PERCENT):</b>	0.8
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	40
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.7

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION
	2 = MODERATE INFILTRATION
	3 = SLOW INFILTRATION
	4 = VERY SLOW INFILTRATION

<b>SOIL DRAINAGE:</b>	1 = EXCESS
	2 = MODERATE EXCESS
	3 = WELL
	4 = MODERATELY WELL
	5 = MODERATELY POOR
	6 = POOR
	7 = VERY POOR

<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT
	2 = 5 TO 50 PERCENT
	3 = 0 TO 5 PERCENT
	4 = NONE









**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 22

**DIST/DIR:** 0.00 --

**MAP ID:** 10

**NAME:** WILBURN PROPERTY  
**ADDRESS:** 9990 BASELINE ROAD  
ROSEVILLE CA  
PLACER

**REV:** 01/19/05  
**ID1:** SWIS31-TI-1211  
**ID2:**  
**STATUS:** CLEAN CLOSED  
**PHONE:**

**CONTACT:**

**Permitted Disposal Acreage:**

**Last Tire Inspection Count:** 20

**Last Tire Inspection Count Date:** 6/7/2000

**Original Tire Inspection Count:**

**Last Tire Inspection Count Date:**

**Inspection Frequency:** None

**SITE OWNER INFORMATION:**

**SITE OWNER INFORMATION:**

**Owner:** Wilburn Property  
**Owner Phone:**  
**Owner Address:** 9990 Baseline Road

**Owner:** Wilburn Property  
**Owner Phone:**  
**Owner Address:** 9990 Baseline Road

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## SOILS

---

<b>SEARCH ID:</b> 59	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 11
----------------------	--------------------------	-------------------

---

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1666
	<b>ID2:</b> CA404
	<b>STATUS:</b> STATSGO
<b>CONTACT:</b>	<b>PHONE:</b>

---

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.12
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	19.7
<b>K FACTOR:</b>	0.28
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.3
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	2.38
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	62.4
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.3
<b>SOIL DRAINAGE:</b>	3.3
<b>SURFACE SLOPE (PERCENT):</b>	1
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	30.9
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION
	2 = MODERATE INFILTRATION
	3 = SLOW INFILTRATION
	4 = VERY SLOW INFILTRATION

<b>SOIL DRAINAGE:</b>	1 = EXCESS
	2 = MODERATE EXCESS
	3 = WELL
	4 = MODERATELY WELL
	5 = MODERATELY POOR
	6 = POOR
	7 = VERY POOR

<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT
	2 = 5 TO 50 PERCENT
	3 = 0 TO 5 PERCENT
	4 = NONE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 58

**DIST/DIR:** 0.00 --

**MAP ID:** 12

**NAME:** USSOILS DATA

**REV:** 3/18/97

**ADDRESS:**  
CA

**ID1:** CASO-18-1307

**ID2:** CA462

**CONTACT:**

**STATUS:** STATSGO

**PHONE:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.14
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	20
<b>K FACTOR:</b>	0.35
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.5
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	2.24
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	59.6
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.8
<b>SOIL DRAINAGE:</b>	4.5
<b>SURFACE SLOPE (PERCENT):</b>	0.7
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	31.1
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0.2
<b>ANNUAL FLOOD FREQUENCY:</b>	2.6

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**

- 1 = HIGH INFILTRATION
- 2 = MODERATE INFILTRATION
- 3 = SLOW INFILTRATION
- 4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**

- 1 = EXCESS
- 2 = MODERATE EXCESS
- 3 = WELL
- 4 = MODERATELY WELL
- 5 = MODERATELY POOR
- 6 = POOR
- 7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**

- 1 = GREATER THAN 50 PERCENT
- 2 = 5 TO 50 PERCENT
- 3 = 0 TO 5 PERCENT
- 4 = NONE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 57                                              **DIST/DIR:** 0.00 --                                              **MAP ID:** 13

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1608
	<b>ID2:</b> CA456
<b>CONTACT:</b>	<b>STATUS:</b> STATSGO
	<b>PHONE:</b>

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.07
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	22.4
<b>K FACTOR:</b>	0.23
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.3
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.54
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	42.7
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.8
<b>SOIL DRAINAGE:</b>	3.2
<b>SURFACE SLOPE (PERCENT):</b>	4.4
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	33.7
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.9

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION 2 = MODERATE INFILTRATION 3 = SLOW INFILTRATION 4 = VERY SLOW INFILTRATION
<b>SOIL DRAINAGE:</b>	1 = EXCESS 2 = MODERATE EXCESS 3 = WELL 4 = MODERATELY WELL 5 = MODERATELY POOR 6 = POOR 7 = VERY POOR
<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT 2 = 5 TO 50 PERCENT 3 = 0 TO 5 PERCENT 4 = NONE

*Environmental FirstSearch*  
*Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SOILS

**SEARCH ID:** 56

**DIST/DIR:** 0.00 --

**MAP ID:** 14

**NAME:** USSOILS DATA  
**ADDRESS:** CA

**REV:** 3/18/97  
**ID1:** CASO-18-1637  
**ID2:** CA459  
**STATUS:** STATSGO  
**PHONE:**

**CONTACT:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.16
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	31
<b>K FACTOR:</b>	0.33
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	1.3
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	1.48
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	63.6
<b>HYDROLOGIC CHARACTERISTICS:</b>	3
<b>SOIL DRAINAGE:</b>	4.7
<b>SURFACE SLOPE (PERCENT):</b>	0.6
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	39.1
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	2.9

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION 2 = MODERATE INFILTRATION 3 = SLOW INFILTRATION 4 = VERY SLOW INFILTRATION
<b>SOIL DRAINAGE:</b>	1 = EXCESS 2 = MODERATE EXCESS 3 = WELL 4 = MODERATELY WELL 5 = MODERATELY POOR 6 = POOR 7 = VERY POOR
<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT 2 = 5 TO 50 PERCENT 3 = 0 TO 5 PERCENT 4 = NONE



# Environmental FirstSearch Site Detail Report

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## SOILS

<b>SEARCH ID:</b> 55	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 15
----------------------	--------------------------	-------------------

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1656
	<b>ID2:</b> CA436
<b>CONTACT:</b>	<b>STATUS:</b> STATSGO
	<b>PHONE:</b>

### SITE INFORMATION

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.11
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	18.8
<b>K FACTOR:</b>	0.28
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.2
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	2.29
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	67
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.6
<b>SOIL DRAINAGE:</b>	3
<b>SURFACE SLOPE (PERCENT):</b>	2.5
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	29.5
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.1

### LEGEND

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION
	2 = MODERATE INFILTRATION
	3 = SLOW INFILTRATION
	4 = VERY SLOW INFILTRATION

<b>SOIL DRAINAGE:</b>	1 = EXCESS
	2 = MODERATE EXCESS
	3 = WELL
	4 = MODERATELY WELL
	5 = MODERATELY POOR
	6 = POOR
	7 = VERY POOR

<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT
	2 = 5 TO 50 PERCENT
	3 = 0 TO 5 PERCENT
	4 = NONE

# Environmental FirstSearch Site Detail Report

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## SOILS

<b>SEARCH ID:</b> 54	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 16
----------------------	--------------------------	-------------------

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1561
	<b>ID2:</b> CA411
<b>CONTACT:</b>	<b>STATUS:</b> STATSGO
	<b>PHONE:</b>

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.08
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	25.8
<b>K FACTOR:</b>	0.2
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.3
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.45
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	67.1
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.8
<b>SOIL DRAINAGE:</b>	3.8
<b>SUFACE SLOPE (PERCENT):</b>	1.8
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	29.7
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.9

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**

- 1 = HIGH INFILTRATION
- 2 = MODERATE INFILTRATION
- 3 = SLOW INFILTRATION
- 4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**

- 1 = EXCESS
- 2 = MODERATE EXCESS
- 3 = WELL
- 4 = MODERATELY WELL
- 5 = MODERATELY POOR
- 6 = POOR
- 7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**

- 1 = GREATER THAN 50 PERCENT
- 2 = 5 TO 50 PERCENT
- 3 = 0 TO 5 PERCENT
- 4 = NONE

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 62

**DIST/DIR:** 0.00 --

**MAP ID:** 17

**NAME:** USSOILS DATA

**REV:** 3/18/97

**ADDRESS:**  
CA

**ID1:** CASO-18-1631

**ID2:** CA489

**CONTACT:**

**STATUS:** STATSGO

**PHONE:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.16
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	34.3
<b>K FACTOR:</b>	0.35
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.5
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.5
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	60.6
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.9
<b>SOIL DRAINAGE:</b>	3.1
<b>SURFACE SLOPE (PERCENT):</b>	0.8
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	40
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.7

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**

- 1 = HIGH INFILTRATION
- 2 = MODERATE INFILTRATION
- 3 = SLOW INFILTRATION
- 4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**

- 1 = EXCESS
- 2 = MODERATE EXCESS
- 3 = WELL
- 4 = MODERATELY WELL
- 5 = MODERATELY POOR
- 6 = POOR
- 7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**

- 1 = GREATER THAN 50 PERCENT
- 2 = 5 TO 50 PERCENT
- 3 = 0 TO 5 PERCENT
- 4 = NONE

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 76

**DIST/DIR:** 0.00 --

**MAP ID:** 18

**NAME:** USSOILS DATA

**REV:** 3/18/97

**ADDRESS:**

**ID1:** CASO-18-1573

CA

**ID2:** CA494

**STATUS:** STATSGO

**CONTACT:**

**PHONE:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.14
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	42.1
<b>K FACTOR:</b>	0.26
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.7
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.17
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	43.8
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.6
<b>SOIL DRAINAGE:</b>	3.2
<b>SURFACE SLOPE (PERCENT):</b>	16.4
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	50.2
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	4

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION
	2 = MODERATE INFILTRATION
	3 = SLOW INFILTRATION
	4 = VERY SLOW INFILTRATION

<b>SOIL DRAINAGE:</b>	1 = EXCESS
	2 = MODERATE EXCESS
	3 = WELL
	4 = MODERATELY WELL
	5 = MODERATELY POOR
	6 = POOR
	7 = VERY POOR

<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT
	2 = 5 TO 50 PERCENT
	3 = 0 TO 5 PERCENT
	4 = NONE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 75

**DIST/DIR:** 0.00 --

**MAP ID:** 19

**NAME:** USSOILS DATA

**REV:** 3/18/97

**ADDRESS:**  
CA

**ID1:** CASO-18-1607

**ID2:** CA493

**CONTACT:**

**STATUS:** STATSGO

**PHONE:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.11
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	36.6
<b>K FACTOR:</b>	0.32
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.4
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.43
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	76.3
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.8
<b>SOIL DRAINAGE:</b>	4.9
<b>SURFACE SLOPE (PERCENT):</b>	0.5
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	45.8
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0.1
<b>ANNUAL FLOOD FREQUENCY:</b>	3.2

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**

- 1 = HIGH INFILTRATION
- 2 = MODERATE INFILTRATION
- 3 = SLOW INFILTRATION
- 4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**

- 1 = EXCESS
- 2 = MODERATE EXCESS
- 3 = WELL
- 4 = MODERATELY WELL
- 5 = MODERATELY POOR
- 6 = POOR
- 7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**

- 1 = GREATER THAN 50 PERCENT
- 2 = 5 TO 50 PERCENT
- 3 = 0 TO 5 PERCENT
- 4 = NONE

*Environmental FirstSearch  
Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 74                                    **DIST/DIR:** 0.00 --                                    **MAP ID:** 20

<b>NAME:</b>	USSOILS DATA	<b>REV:</b>	3/18/97
<b>ADDRESS:</b>	CA	<b>ID1:</b>	CASO-18-1590
		<b>ID2:</b>	CA492
		<b>STATUS:</b>	STATSGO
<b>CONTACT:</b>		<b>PHONE:</b>	

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.11
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	28.4
<b>K FACTOR:</b>	0.33
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.4
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.49
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	61.8
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.9
<b>SOIL DRAINAGE:</b>	3.4
<b>SURFACE SLOPE (PERCENT):</b>	5
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	36.7
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	4

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**

- 1 = HIGH INFILTRATION
- 2 = MODERATE INFILTRATION
- 3 = SLOW INFILTRATION
- 4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**

- 1 = EXCESS
- 2 = MODERATE EXCESS
- 3 = WELL
- 4 = MODERATELY WELL
- 5 = MODERATELY POOR
- 6 = POOR
- 7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**

- 1 = GREATER THAN 50 PERCENT
- 2 = 5 TO 50 PERCENT
- 3 = 0 TO 5 PERCENT
- 4 = NONE

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### SOILS

**SEARCH ID:** 73                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 21

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97		
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1567	<b>ID2:</b> CA492	<b>STATUS:</b> STATSGO
<b>CONTACT:</b>	<b>PHONE:</b>		

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.11
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	28.4
<b>K FACTOR:</b>	0.33
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.4
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.49
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	61.8
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.9
<b>SOIL DRAINAGE:</b>	3.4
<b>SURFACE SLOPE (PERCENT):</b>	5
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	36.7
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	4

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION 2 = MODERATE INFILTRATION 3 = SLOW INFILTRATION 4 = VERY SLOW INFILTRATION
<b>SOIL DRAINAGE:</b>	1 = EXCESS 2 = MODERATE EXCESS 3 = WELL 4 = MODERATELY WELL 5 = MODERATELY POOR 6 = POOR 7 = VERY POOR
<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT 2 = 5 TO 50 PERCENT 3 = 0 TO 5 PERCENT 4 = NONE

*Environmental FirstSearch*  
*Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SOILS

**SEARCH ID:** 72

**DIST/DIR:** 0.00 --

**MAP ID:** 22

**NAME:** USSOILS DATA

**REV:** 3/18/97

**ADDRESS:**  
CA

**ID1:** CASO-18-1596

**ID2:** CA410

**CONTACT:**

**STATUS:** STATSGO

**PHONE:**

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.13
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	46.7
<b>K FACTOR:</b>	0.23
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.9
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.23
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	60.9
<b>HYDROLOGIC CHARACTERISTICS:</b>	3.9
<b>SOIL DRAINAGE:</b>	5.2
<b>SURFACE SLOPE (PERCENT):</b>	1
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	50.3
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0.3
<b>ANNUAL FLOOD FREQUENCY:</b>	2.9

**LEGEND**

**HYDROLOGIC CHARACTERISTICS:**

- 1 = HIGH INFILTRATION
- 2 = MODERATE INFILTRATION
- 3 = SLOW INFILTRATION
- 4 = VERY SLOW INFILTRATION

**SOIL DRAINAGE:**

- 1 = EXCESS
- 2 = MODERATE EXCESS
- 3 = WELL
- 4 = MODERATELY WELL
- 5 = MODERATELY POOR
- 6 = POOR
- 7 = VERY POOR

**ANNUAL FLOOD FREQUENCY:**

- 1 = GREATER THAN 50 PERCENT
- 2 = 5 TO 50 PERCENT
- 3 = 0 TO 5 PERCENT
- 4 = NONE







***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**SOILS**

**SEARCH ID:** 66                                      **DIST/DIR:** 0.00 --                                      **MAP ID:** 25

**NAME:** USGS-DIGITAL DATA SERIES-11

**REV:** 1/19/99

**ADDRESS:**  
US

**ID1:** DDS-USGS-12371

**ID2:**

**STATUS:** BEDROCK GEOLOGY

**CONTACT:**

**PHONE:**

**SITE INFORMATION**

**AREA:** 0.0215148

**PERIMETER:** 1.30975

**ROCK DESCRIPTION:** Pliocene continental

**METAMORPHOSIS:** No Metamorphism

**STRATIGRAPHIC ORDER:** 8 - Stratigraphic order from youngest (1) to oldest (162)

# Environmental FirstSearch Site Detail Report

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## SOILS

**SEARCH ID:** 68                                      **DIST/DIR:** 0.04 SE                                      **MAP ID:** 26

<b>NAME:</b> USSOILS DATA	<b>REV:</b> 3/18/97
<b>ADDRESS:</b> CA	<b>ID1:</b> CASO-18-1615
	<b>ID2:</b> CA489
	<b>STATUS:</b> STATSGO
<b>CONTACT:</b>	<b>PHONE:</b>

**SITE INFORMATION**

The National Resource Conservation Service recommends that the data not be used to describe soil characteristics for regions smaller than a multi-county area.

<b>WATER CAPACITY (INCHES PER INCH):</b>	0.16
<b>PERCENT CLAY (PERCENT &lt; 2mm):</b>	34.3
<b>K FACTOR:</b>	0.35
<b>ORGANIC MATERIAL (PERCENT BY WEIGHT):</b>	0.5
<b>SOIL PERMEABILITY (INCHES PER HOUR):</b>	0.5
<b>CUMULATIVE LAYER THICKNESS (INCHES):</b>	60.6
<b>HYDROLOGIC CHARACTERISTICS:</b>	2.9
<b>SOIL DRAINAGE:</b>	3.1
<b>SURFACE SLOPE (PERCENT):</b>	0.8
<b>LIQUID LIMIT (PERCENT MOISTURE BY WEIGHT):</b>	40
<b>HYDRIC COMPONENT SHARE (1=ALL COMPONENTS):</b>	0
<b>ANNUAL FLOOD FREQUENCY:</b>	3.7

**LEGEND**

<b>HYDROLOGIC CHARACTERISTICS:</b>	1 = HIGH INFILTRATION
	2 = MODERATE INFILTRATION
	3 = SLOW INFILTRATION
	4 = VERY SLOW INFILTRATION

<b>SOIL DRAINAGE:</b>	1 = EXCESS
	2 = MODERATE EXCESS
	3 = WELL
	4 = MODERATELY WELL
	5 = MODERATELY POOR
	6 = POOR
	7 = VERY POOR

<b>ANNUAL FLOOD FREQUENCY:</b>	1 = GREATER THAN 50 PERCENT
	2 = 5 TO 50 PERCENT
	3 = 0 TO 5 PERCENT
	4 = NONE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 8

**DIST/DIR:** 0.14 SE

**MAP ID:** 27

**NAME:** TULE FARMS INC  
**ADDRESS:** 12530 CO RD 85  
CAPAY CA 95607  
YOLO  
**CONTACT:** FRITZ DURST

**REV:** 6/6/06  
**ID1:** CAR000171983  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 530-662-4553

**SITE INFORMATION**

**CONTACT INFORMATION:** FRITZ DURST  
23710 CO RD 13  
CAPAY CA 95607

**PHONE:** 530-662-4553

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

11121 - VEGETABLE AND MELON FARMING  
11116 - RICE FARMING

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Benzene  
Ignitable waste  
Tetrachloroethylene  
Trichloroethylene

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 15                      **DIST/DIR:** 0.14 SE                      **MAP ID:** 27

**NAME:** TULE FARMS INC                      **REV:** 7/10/07  
**ADDRESS:** 12530 CO RD 85                      **ID1:** 110024545973  
                  CAPAY CA 95607                      **ID2:** CAR000171983  
                  YOLO                                      **STATUS:** FRS  
**CONTACT:**                                      **PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** RCRAINFO                      **PROGRAM ID:** CAR000171983  
**PROVIDED BY:** FEDERAL AGENCY                      **AGENCY INTERESTED:**  
**AGENCY INT QUAL:**                      **INTEREST ENDED:**  
**INT END QUAL:**                      **SOURCE OF DATA:** RCRAINFO  
**LAST REPORTED:** 3/6/2006                      **LAST EXTRACTED:** 4/26/2006 7:36:28 PM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.

**PROGRAM:** FRS                                      **PROGRAM ID:** 110024545973  
**PROVIDED BY:** FEDERAL AGENCY                      **AGENCY INTERESTED:** 4/26/2006 7:36:28 PM  
**AGENCY INT QUAL:**                      **INTEREST ENDED:**  
**INT END QUAL:**                      **SOURCE OF DATA:** RCRAINFO  
**LAST REPORTED:** 4/26/2006 7:36:28 PM                      **LAST EXTRACTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN, HWY  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/26/2006 7:36:28 PM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**  
  
**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

---

<b>SEARCH ID:</b> 15	<b>DIST/DIR:</b> 0.14 SE	<b>MAP ID:</b> 27
----------------------	--------------------------	-------------------

---

**NAME:** TULE FARMS INC  
**ADDRESS:** 12530 CO RD 85  
CAPAY CA 95607  
YOLO

**REV:** 7/10/07  
**ID1:** 110024545973  
**ID2:** CAR000171983  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**CENSUS BLOCK:**

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## FINDS

**SEARCH ID:** 13                                              **DIST/DIR:** 0.31 SE                                              **MAP ID:** 28

<b>NAME:</b>	CPB DESERET FARMS	<b>REV:</b>	7/10/07
<b>ADDRESS:</b>	14130 ROAD 117	<b>ID1:</b>	110009333569
	WEST SACRAMENTO CA 95691	<b>ID2:</b>	CAD983648296
	YOLO	<b>STATUS:</b>	FRS
<b>CONTACT:</b>		<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110009333569
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	CERCLIS	<b>PROGRAM ID:</b>	CAD983648296
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	9/16/1992
<b>AGENCY INT QUAL:</b>	DISCOVERY DATE	<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	CERCLIS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	SUPERFUND - AN UNCONTROLLED OR ABANDONED PLACE WHERE HAZARDOUS WASTE IS LOCATED, POSSIBLY AFFECTING LOCAL ECOSYSTEMS OR PEOPLE.		

<b>SITE TYPE:</b>	POTENTIALLY CONTAMINATED SITE
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN, HWY
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	12/5/2006 5:19:42 AM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 28

**DIST/DIR:** 0.51 NW

**MAP ID:** 29

**NAME:** LINCOLN RANCH  
**ADDRESS:** 1515 BREWER  
PLEASANT GROVE CA 95668  
Sutter  
**CONTACT:**

**REV:** 01/01/94  
**ID1:** TISID-STATE48996  
**ID2:**  
**STATUS:** ACTIVE  
**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 46 **DIST/DIR:** 0.60 NE **MAP ID:** 30

<b>NAME:</b> FIDDYMENT PROPERTY <b>ADDRESS:</b> 6405 FIDDYMENT RD ROSEVILLE CA 95678 PLACER <b>CONTACT:</b>	<b>REV:</b> 01/12/06 <b>ID1:</b> T0606100191 <b>ID2:</b> <b>STATUS:</b> CASE CLOSED <b>PHONE:</b>
-------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:**  
**RESPONSIBLE PARTY:** FIDDYMENT, JOHN S  
**ADDRESS OF RESPONSIBLE PARTY:** 6405 FIDDYMENT RD, ROSEVILLE, CA 95678  
**SITE OPERATOR:** JOHN S FIDDYMENT  
**WATER SYSTEM:**

**CASE NUMBER:** 310240  
**CASE TYPE:** SOIL ONLY  
**SUBSTANCE LEAKED:** DIESEL  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:**  
**LEAK SOURCE:**  
**HOW LEAK WAS DISCOVERED:**  
**DATE DISCOVERED (blank if not reported):** 1992-12-18  
**HOW LEAK WAS STOPPED:**  
**STOP DATE (blank if not reported):**  
**STATUS:** CASE CLOSED  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):** EXCAVATE AND DISPOSE-  
REMOVE CONTAMINATED SOIL AND DISPOSE IN APPROVED SITE  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** NONE TAKEN  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1993-01-25  
**REVIEW DATE (blank if not reported):** 1994-04-27  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 1992-12-18  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):** 1993-02-25  
**REPORT DATE (blank if not reported):** 1992-12-18

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE (Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):**  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 0  
**MTBE TESTED:** NOT REQUIRED TO BE TESTED  
**MTBE CLASS:** \*



***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 32

**DIST/DIR:** 0.61 N-

**MAP ID:** 32

**NAME:** WALTER C WATSON WATSON FARMS

**REV:** 01/01/94

**ADDRESS:** 8628 PLEASANT GROVE

**ID1:** TISID-STATE37753

ELVERTA CA 95626

**ID2:**

Sacramento

**STATUS:** ACTIVE

**CONTACT:**

**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 43	<b>DIST/DIR:</b> 0.84 N-	<b>MAP ID:</b> 33
----------------------	--------------------------	-------------------

---

<b>NAME:</b> MCI TELECOMMUNICATIONS	<b>REV:</b> 04/04/2000
<b>ADDRESS:</b> 3387 RIEGO RD. PLEASANT GROVE CA 95668 Sutter	<b>ID1:</b> SUTTERCO_51-221
<b>CONTACT:</b> MCI TELECOMMUNICATIONS	<b>ID2:</b>
	<b>STATUS:</b> ACTIVE
	<b>PHONE:</b> (916) 373-4604

---

**SUTTER COUNTY PERMITTED UST LIST INFORMATION**

<b>Permit Number:</b>	51-221
<b>Status:</b>	ACTIVE
<b>Tank Capacity:</b>	4000 DOUBLE
<b>Tank Contents:</b>	DIESEL
<b>Tank Owner:</b>	MCI TELECOMMUNICATIONS
<b>Tank Owner Address:</b>	2820 KOVR DR. WEST SACRAMENTO , CA 95605

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:**  
NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 14                                 **DIST/DIR:** 0.86 SE                                 **MAP ID:** 34

**NAME:** WALLACE AND SONS E L INCORPORATED                                 **REV:** 7/10/07  
**ADDRESS:** 14954 COUNTY ROAD 100B                                 **ID1:** 110010458183  
WOODLAND CA 95695                                 **ID2:** CAD076100452  
YOLO                                 **STATUS:** FRS  
**CONTACT:**                                 **PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** HWTS-DATAMART                                 **PROGRAM ID:** CAD076100452  
**PROVIDED BY:** STATE AGENCY                                 **AGENCY INTERESTED:**  
**AGENCY INT QUAL:**                                 **INTEREST ENDED:**  
**INT END QUAL:**                                 **SOURCE OF DATA:** HWTS-DATAMART  
**LAST REPORTED:**                                 **LAST EXTRACTED:** 11/18/2004 5:38:04 PM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** STATE MASTER -

**PROGRAM:** RCRAINFO                                 **PROGRAM ID:** CAD076100452  
**PROVIDED BY:** FEDERAL AGENCY                                 **AGENCY INTERESTED:**  
**AGENCY INT QUAL:**                                 **INTEREST ENDED:**  
**INT END QUAL:**                                 **SOURCE OF DATA:** NOTIFICATION (RCRA)  
**LAST REPORTED:** 2/28/1996                                 **LAST EXTRACTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND  
LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF  
HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND  
ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.

**PROGRAM:** FRS                                 **PROGRAM ID:** 110010458183  
**PROVIDED BY:** FEDERAL AGENCY                                 **AGENCY INTERESTED:**  
**AGENCY INT QUAL:**                                 **INTEREST ENDED:**  
**INT END QUAL:**                                 **SOURCE OF DATA:** FRS  
**LAST REPORTED:**                                 **LAST EXTRACTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM:** NEI                                 **PROGRAM ID:** NEICA1135468  
**PROVIDED BY:** FEDERAL AGENCY                                 **AGENCY INTERESTED:**  
**AGENCY INT QUAL:**                                 **INTEREST ENDED:**  
**INT END QUAL:**                                 **SOURCE OF DATA:** NEI  
**LAST REPORTED:**                                 **LAST EXTRACTED:** 6/14/2005 11:02:23 AM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 12/22/2003 10:46:47 AM  
**ENTERED PERSON/METHOD:** WILFREDM  
**PARENT REG ID:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

<b>SEARCH ID:</b> 14	<b>DIST/DIR:</b> 0.86 SE	<b>MAP ID:</b> 34
----------------------	--------------------------	-------------------

<b>NAME:</b> WALLACE AND SONS E L INCORPORATED	<b>REV:</b> 7/10/07
<b>ADDRESS:</b> 14954 COUNTY ROAD 100B	<b>ID1:</b> 110010458183
WOODLAND CA 95695	<b>ID2:</b> CAD076100452
YOLO	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>

**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**





***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 11

**DIST/DIR:** 0.91 NW

**MAP ID:** 36

**NAME:** CONSOLIDATED DEALER SYSTEMS  
**ADDRESS:** 2546 RIEGO RD  
PLEASANT GROVE CA 95668  
Sutter

**REV:**  
**ID1:** CAD982445512  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

RCRIS : CAD982445512  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 603836065  
UNKNOWN :

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 2

**DIST/DIR:** 0.91 NW

**MAP ID:** 36

**NAME:** CONSOLIDATED DEALER SYSTEMS  
**ADDRESS:** 2546 RIEGO RD  
PLEASANT GROVE CA 95668  
SUTTER  
**CONTACT:**

**REV:** 6/6/06  
**ID1:** CAD982445512  
**ID2:**  
**STATUS:** SGN  
**PHONE:**

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
2546 RIEGO RD  
PLEASANT GROVE CA 95668

**PHONE:** 9166553635

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

81149 - OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

## *Environmental FirstSearch* *Site Detail Report*

**Target Property:** NORTH HIGHLANDS CA 95668

**JOB:** MBA101

### FINDS

<b>SEARCH ID:</b> 12	<b>DIST/DIR:</b> 0.91 NW	<b>MAP ID:</b> 36
----------------------	--------------------------	-------------------

<b>NAME:</b> CONSOLIDATED DEALER SYSTEMS <b>ADDRESS:</b> 2546 RIEGO RD PLEASANT GROVE CA 95668 SUTTER <b>CONTACT:</b>	<b>REV:</b> 7/10/07 <b>ID1:</b> 110002814633 <b>ID2:</b> CAD982445512 <b>STATUS:</b> FRS <b>PHONE:</b>
-----------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110002814633
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	CAD982445512
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	EPA INSPECTION
<b>LAST REPORTED:</b>	9/1/1996	<b>LAST EXTRACTED:</b>	

**REG PROGRAM:** SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 1/6/2006 12:44:36 AM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020111  
**EPA REGION:** 09  
**AIRSHED:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

---

<b>SEARCH ID:</b> 12	<b>DIST/DIR:</b> 0.91 NW	<b>MAP ID:</b> 36
----------------------	--------------------------	-------------------

---

**NAME:** CONSOLIDATED DEALER SYSTEMS  
**ADDRESS:** 2546 RIEGO RD  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 7/10/07  
**ID1:** 110002814633  
**ID2:** CAD982445512  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**CENSUS BLOCK:**

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 19                                              **DIST/DIR:** 0.96 N-                                              **MAP ID:** 37

<p><b>NAME:</b> CORNELIUS AIRSTRIP  <b>ADDRESS:</b> RIEGO RD and PACIFIC AVE          PLEASANT GROVE CA 95668          SUTTER  <b>CONTACT:</b></p>	<p><b>REV:</b> 07/03/00  <b>ID1:</b> CAL51070016  <b>ID2:</b>  <b>STATUS:</b> PROPERTY/SITE REFERRED  <b>PHONE:</b></p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------

**OTHER SITE NAMES (blank below = not reported by agency)**

CORNELIUS AIRSTRIP

**GENERAL SITE INFORMATION**

**File Name (if different than site name):**

<b>Status:</b>	PROPERTY/SITE REFERRED TO ANOTHER AGENCY (REFOA)
<b>AWP Site Type:</b>	N/A
<b>NPL Site:</b>	
<b>Fund:</b>	
<b>Status Date:</b>	11161994
<b>Lead:</b>	
<b>Staff:</b>	
<b>Senior Supervisor:</b>	

<b>DTSC Region and RWQCB :</b>	1 / SACRAMENTO
<b>Branch:</b>	CENTRAL CALIFORNIA
<b>RWQCB:</b>	CENTRAL VALLEY

**Site Access:**  
**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

<b>Activity:</b>	DISCOVERY (DISC)
<b>Activity Status:</b>	PROPERTY/SITE REFERRED TO ANOTHER AGENCY
<b>Completion Due Date:</b>	
<b>Revised Completion Due Date:</b>	
<b>Date Activity Actually Completed:</b>	04151983
<b>Yards of Solids Removed:</b>	0
<b>Yards of Solids Treated:</b>	0
<b>Gallons of Liquid Removed:</b>	0
<b>Gallons of Liquid Treated:</b>	0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

DATE	COMMENT
04151983	Facility identified from Division of Aero printout.
07131983	Facility Drive-By: No problems. Small farm operation.
11011983	No problem based on drive-by.
06231997	The Sutter County Community Services Department indicated
DATE	COMMENT

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

<b>SEARCH ID:</b> 19	<b>DIST/DIR:</b> 0.96 N-	<b>MAP ID:</b> 37
----------------------	--------------------------	-------------------

<b>NAME:</b> CORNELIUS AIRSTRIP <b>ADDRESS:</b> RIEGO RD and PACIFIC AVE PLEASANT GROVE CA 95668 SUTTER <b>CONTACT:</b>	<b>REV:</b> 07/03/00 <b>ID1:</b> CAL51070016 <b>ID2:</b> <b>STATUS:</b> PROPERTY/SITE REFERRED <b>PHONE:</b>
-------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------

06231997      *that it does not have a Hazardous Materials Remediation*

<b>DATE</b>	<b>COMMENT</b>
06231997	<i>program and is not overseeing this site.</i>

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 16

**DIST/DIR:** 0.96 S-

**MAP ID:** 38

**NAME:** HOLTSMAN PROPERTY  
**ADDRESS:** 9245 WALERGA ROAD  
ROSEVILLE CA 95678  
PLACER

**REV:** 07/03/00  
**ID1:** CAL31490006  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

HOLTSMAN PROPERTY

**GENERAL SITE INFORMATION**

File Name (if different than site name):

**Status:** PROPERTY/SITE REFERRED TO ANOTHER AGENCY (REFOA)  
**AWP Site Type:** N/A  
**NPL Site:**  
**Fund:**  
**Status Date:** 03261991  
**Lead:**  
**Staff:**  
**Senior Supervisor:**

**DTSC Region and RWQCB :** 1 / SACRAMENTO  
**Branch:** CENTRAL CALIFORNIA  
**RWQCB:**  
**Site Access:**  
**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** DISCOVERY (DISC)  
**Activity Status:** PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 01171991  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:** (SS)  
**Activity Status:** PROPERTY/SITE REFERRED TO ANOTHER AGENCY  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 03261991  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

DATE	COMMENT
------	---------

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 16

**DIST/DIR:** 0.96 S-

**MAP ID:** 38

**NAME:** HOLTSMAN PROPERTY  
**ADDRESS:** 9245 WALERGA ROAD  
ROSEVILLE CA 95678  
PLACER

**REV:** 07/03/00  
**ID1:** CAL31490006  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED  
**PHONE:**

**CONTACT:**

01171991 Facility Drive-by (Local Agency): Local agency informed DHS

**DATE** **COMMENT**  
01171991 of possible illegally buried waste.

**DATE** **COMMENT**  
01201991 Inspection (State): Site visit showed scattered drums con-

**DATE** **COMMENT**  
01201991 taining oil/degreasers, batteries, and local oil stains.

**DATE** **COMMENT**  
01201991 Only construction materials found buried.

**DATE** **COMMENT**  
01201991 EPA assisted with local Health Dept investigation. Placer

**DATE** **COMMENT**  
01201991 County Health Dept will require waste to be removed, there-

**DATE** **COMMENT**  
01201991 fore County lead.

**DATE** **COMMENT**  
03261991 Site Screening Done: Local Health Dept overseeing removal

**DATE** **COMMENT**  
03261991 of soild waste.

**DATE** **COMMENT**  
03261991 Site Listed on Cortese -- contaminated soils on site.



# *Environmental FirstSearch Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## UST

**SEARCH ID:** 29

**DIST/DIR:** 1.01 N-

**MAP ID:** 39

**NAME:** MEYER FOOD STORE  
**ADDRESS:** 8000 PLEASANT GROVE  
ELVERTA CA 95626  
Sacramento

**REV:** 01/01/94  
**ID1:** TISID-STATE34999  
**ID2:**  
**STATUS:** ACTIVE  
**PHONE:**

### UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 30	<b>DIST/DIR:</b> 1.01 N-	<b>MAP ID:</b> 39
----------------------	--------------------------	-------------------

---

<b>NAME:</b> REGIO MARKET AND DELI	<b>REV:</b> 05/30/2003
<b>ADDRESS:</b> 8000 PLEASANT GROVE RD	<b>ID1:</b> PLACERCO_PR000713
ELVERTA CA	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> ACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>

---

**COUNTY OF PLACER ACTIVE and CLOSED UST TANKS LIST INFORMATION**

<b>Status:</b>	<i>ACTIVE</i>
<b>Comments:</b>	
<b>District Code:</b>	<i>018</i>
<b>Number of Tanks:</b>	<i>2</i>

## *Environmental FirstSearch Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

<b>SEARCH ID:</b> 17	<b>DIST/DIR:</b> 1.02 SE	<b>MAP ID:</b> 40
----------------------	--------------------------	-------------------

<b>NAME:</b> INTERSTATE BATTERY	<b>REV:</b> 07/18/05
<b>ADDRESS:</b> 451 ANTELOPE ST ELVERTA CA 95626 SACRAMENTO	<b>ID1:</b> CAL34360066
<b>CONTACT:</b>	<b>ID2:</b>
	<b>STATUS:</b> CERTIFIED
	<b>PHONE:</b>

**OTHER SITE NAMES (blank below = not reported by agency)**

*INTERSTATE BATTERY*

*INTERSTATE BATTERY DISTRIBUTION CO.*

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** *INTERSTATE BATTERY DISTRIBUTION CO.*

**Status:** *CERTIFIED*  
**AWP Site Type:** *RESPONSIBLE PARTY*  
**NPL Site:**  
**Fund:**  
**Status Date:** *06131983*  
**Lead:** *N/A*  
**Staff:**  
**DTSC Region and RWQCB :** *SACRAMENTO*  
**Branch:** *CENTRAL CALIFORNIA*  
**RWQCB:**  
**Site Access:**  
**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**BACKGROUND INFORMATION (blank below = not reported by agency)**

*Mr. Michael Corbridge had steam cleaned batteries by a fence which separates both properties. Run-off water from the steam cleaning process discharged into Mr. Warner s property, causing lead contamination of the soil. The contaminated area is located at 451 Antelope St., Elverta California.*

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** *SITE SCREENING*  
**Activity Status:** *CERTIFIED*  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** *11191982*  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:** *CERTIFICATION*  
**Activity Status:** *CERTIFIED*  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** *06131983*  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 17

**DIST/DIR:** 1.02 SE

**MAP ID:** 40

**NAME:** INTERSTATE BATTERY  
**ADDRESS:** 451 ANTELOPE ST  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 07/18/05  
**ID1:** CAL34360066  
**ID2:**  
**STATUS:** CERTIFIED  
**PHONE:**

**Gallons of Liquid Treated:** 0

**Activity:** *REMOVAL ACTION*  
**Activity Status:** *CERTIFIED*

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 06131983

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:**

: *Certified. According to Auditor General Report, 3.5 drums of waste and an unspecified amount of soil was removed. The Department staff oversaw soil excavation. A meeting between Department, responsible party, property owner, county environmental health, and consulting party was held on 11/19/82 to discuss cleanup plan for this site.*

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### UST

**SEARCH ID:** 25                                              **DIST/DIR:** 1.11 SE                                              **MAP ID:** 41

<b>NAME:</b>	FREED, CLEDA	<b>REV:</b>	05/30/2003
<b>ADDRESS:</b>	3115 TINY LN ROSEVILLE CA PLACER	<b>ID1:</b>	PLACERCO_PR005339
<b>CONTACT:</b>		<b>ID2:</b>	
		<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

#### COUNTY OF PLACER ACTIVE and CLOSED UST TANKS LIST INFORMATION

**Status:** *CLOSED*

**Comments:**

**District Code:** 015

**Number of Tanks:** 1

### UST

**SEARCH ID:** 41                                              **DIST/DIR:** 1.18 SE                                              **MAP ID:** 42

<b>NAME:</b>	EL RIO FARMS	<b>REV:</b>	01/01/94
<b>ADDRESS:</b>	11000 GARDEN SACRAMENTO CA 95837 Sacramento	<b>ID1:</b>	TISID-STATE37606
<b>CONTACT:</b>		<b>ID2:</b>	
		<b>STATUS:</b>	ACTIVE
		<b>PHONE:</b>	

#### UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 31

**DIST/DIR:** 1.20 N-

**MAP ID:** 43

**NAME:** VAN DYKE S RICE DRYER, INC.

**REV:** 01/01/94

**ADDRESS:** 4036 PLEASANT GROVE

**ID1:** TISID-STATE48927

PLEASANT GROVE CA 95668

**ID2:**

Sutter

**STATUS:** ACTIVE

**CONTACT:**

**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 18

**DIST/DIR:** 1.20 N-

**MAP ID:** 43

**NAME:** VAN DYKES RICE DRYER INC  
**ADDRESS:** 4036 PLEASANT GROVE ROAD  
 PLEASANT GROVE CA 95668  
 SUTTER

**REV:** 07/03/00  
**ID1:** CAL51070011  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

OTHER SITE NAMES (blank below = not reported by agency)

OTHER SITE NAMES (blank below = not reported by agency)

OTHER SITE NAMES (blank below = not reported by agency)

AERO PRINT-OUT (VAN DYKES AIRSTRIP DIV)

GENERAL SITE INFORMATION

File Name (if different than site name):

**Status:** PROPERTY/SITE REFERRED TO RWQCB (REFRW)  
**AWP Site Type:** N/A  
**NPL Site:**  
**Fund:**  
**Status Date:** 12311997  
**Lead:**  
**Staff:**  
**Senior Supervisor:**

**DTSC Region and RWQCB :** 1 / SACRAMENTO  
**Branch:** CENTRAL CALIFORNIA  
**RWQCB:**  
**Site Access:** Controlled  
**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** 0

OTHER AGENCY ID NUMBERS (blank below = not reported by agency)

**ID SOURCE NAME, and VALUE:** EPA IDENTIFICATION NUMBER CAD028925444

PROJECTED ACTIVITIES (blank below = not reported by agency)

PROJECTED ACTIVITIES (blank below = not reported by agency)

**Activity:** DISCOVERY (DISC)  
**Activity Status:** PROPERTY/SITE REFERRED TO RWQCB  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 04061983  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:** (SS)  
**Activity Status:** PROPERTY/SITE REFERRED TO RWQCB  
**Completion Due Date:**  
**Revised Completion Due Date:**

- Continued on next page -



## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 18

**DIST/DIR:** 1.20 N-

**MAP ID:** 43

**NAME:** VAN DYKES RICE DRYER INC  
**ADDRESS:** 4036 PLEASANT GROVE ROAD  
PLEASANT GROVE CA 95668  
SUTTER  
**CONTACT:**

**REV:** 07/03/00  
**ID1:** CAL51070011  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**Date Activity Actually Completed:** 01271987  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

<b>DATE</b>	<b>COMMENT</b>
04061983	Facility identified from CDFA PCO List.
<b>DATE</b>	<b>COMMENT</b>
05091983	Questionnaire sent.
<b>DATE</b>	<b>COMMENT</b>
05251983	Questionnaire Received. Recycle washwater and soap.
<b>DATE</b>	<b>COMMENT</b>
06291983	Facility Drive-By: Greenish-water around site in canal.
<b>DATE</b>	<b>COMMENT</b>
06291983	Stressed vegetations. Three spray rigs at site. Unable to
<b>DATE</b>	<b>COMMENT</b>
06291983	see airstrip.
<b>DATE</b>	<b>COMMENT</b>
09281983	Phone Follow-Up: Kocide SD used on the seed and put back on
<b>DATE</b>	<b>COMMENT</b>
09281983	rice fields. Chemicals: 30% cupric, 19.5% hydroxide copper.
<b>DATE</b>	<b>COMMENT</b>
09281983	Site referred to HWMB/Enforcement and RWQCB.
<b>DATE</b>	<b>COMMENT</b>
01271987	Site Screening Done: Recommend Preliminary Assessment.
<b>DATE</b>	<b>COMMENT</b>
01271987	Visual evidence and suspected use of hazardous materials.
<b>DATE</b>	<b>COMMENT</b>
12311997	Site Screening completed. RWQCB had involvement in site
<b>DATE</b>	<b>COMMENT</b>
12311997	activities as part of investigations into a number of rice
<b>DATE</b>	<b>COMMENT</b>
12311997	treating facilities. RWQCB suspects that residual copper
<b>DATE</b>	<b>COMMENT</b>
12311997	contamination in soil is likely given past facility
<b>DATE</b>	<b>COMMENT</b>

- Continued on next page -

*Environmental FirstSearch  
Site Detail Report*

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 18                      **DIST/DIR:** 1.20 N-                      **MAP ID:** 43

**NAME:** VAN DYKES RICE DRYER INC  
**ADDRESS:** 4036 PLEASANT GROVE ROAD  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 07/03/00  
**ID1:** CAL51070011  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

12311997                      *practices. Soil sampling has not been conducted. Refer to*

<b>DATE</b>	<b>COMMENT</b>
12311997	RWQCB.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 36

**DIST/DIR:** 1.39 S-

**MAP ID:** 44

**NAME:** ELVERTA MAINTENANCE FACILITY

**REV:** 01/01/94

**ADDRESS:** 7940 SORENTO  
ELVERTA CA 95626  
Sacramento

**ID1:** TISID-STATE38116

**ID2:**

**STATUS:** ACTIVE

**CONTACT:**

**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**LUST**

**SEARCH ID:** 49                                              **DIST/DIR:** 1.39 S-                                              **MAP ID:** 44

<b>NAME:</b> WESTERN AREA POWER ADMIN	<b>REV:</b> 01/12/06
<b>ADDRESS:</b> 7940 SORENTO RD	<b>ID1:</b> T0606700973
ELVERTA CA 95626	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> POLLUTION CHARACTERIZATION
<b>CONTACT:</b>	<b>PHONE:</b>

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:** C598  
**RESPONSIBLE PARTY:** US DOE, ATTN GEORGE MCALLISTER,  
**ADDRESS OF RESPONSIBLE PARTY:** 114 PARKSHORE DR, FOLSOM, CA 95630  
**SITE OPERATOR:**  
**WATER SYSTEM:**

**CASE NUMBER:** 341148  
**CASE TYPE:** OTHER  
**SUBSTANCE LEAKED:** GASOLINE  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:** UNKNOWN  
**LEAK SOURCE:** UNKNOWN  
**HOW LEAK WAS DISCOVERED:** TANK CLOSURE  
**DATE DISCOVERED (blank if not reported):** 1997-11-04  
**HOW LEAK WAS STOPPED:** NEW TANK  
**STOP DATE (blank if not reported):** 1997-11-04  
**STATUS:** POLLUTION CHARACTERIZATION  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** FREV  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1997-11-24  
**REVIEW DATE (blank if not reported):** 2002-03-22  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 1997-11-04  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):** 1997-11-21  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 1997-11-19

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):**  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 1  
**MTBE TESTED:** YES  
**MTBE CLASS:** \*

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 4

**DIST/DIR:** 1.39 S-

**MAP ID:** 44

**NAME:** USDOE WAPA ELVERTA MAINTENANCE FAC  
**ADDRESS:** 7940 SORENTO RD  
ELVERTA CA 95626  
SACRAMENTO  
**CONTACT:** BRYAN DWINELL

**REV:** 6/6/06  
**ID1:** CA9890090005  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 9169784403

**SITE INFORMATION**

**CONTACT INFORMATION:** BRYAN DWINELL  
7940 SORENTO RD  
ELVERTA CA 95626

**PHONE:** 9169784403

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

2211 - ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 23	<b>DIST/DIR:</b> 1.39 SE	<b>MAP ID:</b> 45
----------------------	--------------------------	-------------------

---

<b>NAME:</b> AHLERS, MIKE	<b>REV:</b> 05/30/2003
<b>ADDRESS:</b> 9380 WATT AVE	<b>ID1:</b> PLACERCO_PR008711
ROSEVILLE CA	<b>ID2:</b>
PLACER	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>

---

**COUNTY OF PLACER ACTIVE and CLOSED UST TANKS LIST INFORMATION**

<b>Status:</b>	<i>CLOSED</i>
<b>Comments:</b>	
<b>District Code:</b>	<i>011</i>
<b>Number of Tanks:</b>	<i>2</i>

***Environmental FirstSearch***  
***Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 48                      **DIST/DIR:** 1.53 S-                      **MAP ID:** 46

<b>NAME:</b>	ELVERTA SUBSTATION	<b>REV:</b>	01/12/06
<b>ADDRESS:</b>	736 ELVERTA RD W ELVERTA CA 95626 SACRAMENTO	<b>ID1:</b>	T0606700581
		<b>ID2:</b>	
<b>CONTACT:</b>		<b>STATUS:</b>	CASE CLOSED
		<b>PHONE:</b>	

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

*Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.*

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:** R147  
**RESPONSIBLE PARTY:** CA DEPT OF ENERGY  
**ADDRESS OF RESPONSIBLE PARTY:** 1825 BELL ST SUITE 105, SACRAMENTO, CA 95825  
**SITE OPERATOR:** DEPT OF ENERGY  
**WATER SYSTEM:**

**CASE NUMBER:** 340681  
**CASE TYPE:** SOIL ONLY  
**SUBSTANCE LEAKED:** PCB S  
**SUBSTANCE QUANTITY:**

**LEAK CAUSE:**  
**LEAK SOURCE:**  
**HOW LEAK WAS DISCOVERED:**  
**DATE DISCOVERED (blank if not reported):** 1986-10-26  
**HOW LEAK WAS STOPPED:**

**STOP DATE (blank if not reported):**  
**STATUS:** CASE CLOSED  
**ABATEMENT METHOD** (please note that not all code translations have been provided by the reporting agency): EXCAVATE AND DISPOSE-REMOVE CONTAMINATED SOIL AND DISPOSE IN APPROVED SITE  
**ENFORCEMENT TYPE** (please note that not all code translations have been provided by the reporting agency): NONE TAKEN  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1992-12-17  
**REVIEW DATE (blank if not reported):** 2002-03-22  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 1992-12-10  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):** 1992-12-10  
**REPORT DATE (blank if not reported):** 1992-12-10

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE**(Date of historical maximum MTBE concentration):  
**MTBE GROUNDWATER CONCENTRATION** (parts per billion):  
**MTBE SOIL CONCENTRATION** (parts per million):  
**MTBE CNTS:** 0  
**MTBE FUEL:** 0  
**MTBE TESTED:** NOT REQUIRED TO BE TESTED  
**MTBE CLASS:** \*

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 34                      **DIST/DIR:** 1.53 S-                      **MAP ID:** 46

<b>NAME:</b> ELVERTA	<b>REV:</b> 05/30/01
<b>ADDRESS:</b> 736 W ELVERTA RD	<b>ID1:</b> AST1155
ELVERTA CA 95626	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> AST SWRCB REG.5S
<b>CONTACT:</b>	<b>PHONE:</b>

<b>Region:</b>	5S
<b>Company Name:</b>	DEPARTMENT OF ENERGY
<b>Company Name 2:</b>	WESTERN AREA POWER ADMIN.

UST

**SEARCH ID:** 37                      **DIST/DIR:** 1.55 SE                      **MAP ID:** 47

<b>NAME:</b> LA VERNE SCHEIDEL	<b>REV:</b> 01/01/94
<b>ADDRESS:</b> 316 ELVERTA ELVERTA RD	<b>ID1:</b> TISID-STATE37915
ELVERTA CA 95626	<b>ID2:</b>
Sacramento	<b>STATUS:</b> ACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

---

<b>SEARCH ID:</b> 1	<b>DIST/DIR:</b> 1.57 SE	<b>MAP ID:</b> 48
---------------------	--------------------------	-------------------

---

<b>NAME:</b> CHRIS AUTO REPAIR	<b>REV:</b> 6/6/06
<b>ADDRESS:</b> 105 BILLY MITCHELL	<b>ID1:</b> CAD982479982
ROSEVILLE CA 95747	<b>ID2:</b>
PLACER	<b>STATUS:</b> SGN
<b>CONTACT:</b>	<b>PHONE:</b>

---

**SITE INFORMATION**

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

*Environmental FirstSearch  
Site Detail Report*

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 24                                    **DIST/DIR:** 1.58 NW                                    **MAP ID:** 49

**NAME:** ALL TERRAIN EXPLORATION                                    **REV:** 05/30/01  
**ADDRESS:** 6330 BREWER RD                                    **ID1:** AST101276  
 PLEASANT GROVE CA 95668                                    **ID2:**  
 SUTTER                                    **STATUS:** AST SWRCB REG.5S  
**CONTACT:**                                    **PHONE:**

**Region:** 5S  
**Company Name:** ALL TERRAIN EXPLORATION  
**Company Name 2:**

UST

**SEARCH ID:** 26                                    **DIST/DIR:** 1.59 SE                                    **MAP ID:** 50

**NAME:** KENCO ENGINEERING                                    **REV:** 05/30/2003  
**ADDRESS:** 2155 PFE RD                                    **ID1:** PLACERCO\_PR000675  
 ROSEVILLE CA                                    **ID2:**  
 PLACER                                    **STATUS:** CLOSED  
**CONTACT:**                                    **PHONE:**

**COUNTY OF PLACER ACTIVE and CLOSED UST TANKS LIST INFORMATION**  
**Status:** CLOSED  
**Comments:**  
**District Code:** 017  
**Number of Tanks:** 1

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 27	<b>DIST/DIR:</b> 1.59 SE	<b>MAP ID:</b> 50
----------------------	--------------------------	-------------------

---

<b>NAME:</b> KENCO ENGINEERING INC	<b>REV:</b> 05/30/2003
<b>ADDRESS:</b> 2155 PFE RD	<b>ID1:</b> PLACERCO_PR0000675
ROSEVILLE CA	<b>ID2:</b>
PLACER	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>

---

**COUNTY OF PLACER ACTIVE and CLOSED UST TANKS LIST INFORMATION**

<b>Status:</b>	<i>CLOSED</i>
<b>Comments:</b>	
<b>District Code:</b>	<i>017</i>
<b>Number of Tanks:</b>	<i>1</i>

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 51                                   **DIST/DIR:** 1.70 SE                                   **MAP ID:** 51

**NAME:** ZINE S GARAGE                                   **REV:** 01/12/06  
**ADDRESS:** 220 ELVERTA RD                                   **ID1:** T0606701017  
 ELVERTA CA 95626                                   **ID2:**  
 SACRAMENTO                                   **STATUS:** POLLUTION CHARACTERIZATION  
**CONTACT:**                                   **PHONE:**

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:** D517  
**RESPONSIBLE PARTY:** ZINE S GARAGE  
**ADDRESS OF RESPONSIBLE PARTY:** 220 ELVERTA RD, ELVERTA, CA 95626  
**SITE OPERATOR:**  
**WATER SYSTEM:**

**CASE NUMBER:** 341192  
**CASE TYPE:** WELL AFFECTED  
**SUBSTANCE LEAKED:** GASOLINE  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:** UNKNOWN  
**LEAK SOURCE:** D,  
**HOW LEAK WAS DISCOVERED:** TANK CLOSURE  
**DATE DISCOVERED (blank if not reported):** 1998-03-09  
**HOW LEAK WAS STOPPED:** CT,  
**STOP DATE (blank if not reported):**  
**STATUS:** POLLUTION CHARACTERIZATION  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** FREV  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1998-06-09  
**REVIEW DATE (blank if not reported):** 2002-05-10  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 1998-03-09  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):** 2000-10-01  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):** 2002-06-01  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 1998-03-09

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):** 2001-03-08  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):** EQUAL TO 380.00  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 3  
**MTBE FUEL:** 1  
**MTBE TESTED:** YES  
**MTBE CLASS:** C

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 39	<b>DIST/DIR:</b> 1.70 SE	<b>MAP ID:</b> 51
----------------------	--------------------------	-------------------

---

<b>NAME:</b> ZINES GARAGE	<b>REV:</b> 01/01/94
<b>ADDRESS:</b> 220 ELVERTA	<b>ID1:</b> TISID-STATE37105
ELVERTA CA 95626	<b>ID2:</b>
Sacramento	<b>STATUS:</b> ACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>

---

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 45

**DIST/DIR:** 1.72 SE

**MAP ID:** 52

**NAME:** RIO RAMAZA MARINA  
**ADDRESS:** 10000 GARDEN  
SACRAMENTO CA 95837  
Sacramento

**REV:** 01/01/94  
**ID1:** TISID-STATE37389  
**ID2:**  
**STATUS:** ACTIVE  
**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

# Environmental FirstSearch

## Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 20

**DIST/DIR:** 1.72 SE

**MAP ID:** 53

**NAME:** AGRIFORM FARM SUPPLY, INC  
**ADDRESS:** 40189 COUNTY ROAD 18C  
 WOODLAND CA 95776  
 YOLO  
**CONTACT:**

**REV:** 07/03/00  
**ID1:** CAL57280008  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

**OTHER SITE NAMES (blank below = not reported by agency)**

*CHEVRON/AGRIFORM FARM SUPPLY/ACID SPILL*

**GENERAL SITE INFORMATION**

**File Name (if different than site name):**

**Status:** *PROPERTY/SITE REFERRED TO RWQCB (REFRW)*  
**AWP Site Type:** *N/A*  
**NPL Site:**  
**Fund:**  
**Status Date:** *12281995*  
**Lead:**  
**Staff:**  
**Senior Supervisor:**

**DTSC Region and RWQCB :** *1 / SACRAMENTO*  
**Branch:** *CENTRAL CALIFORNIA*

**RWQCB:**  
**Site Access:**  
**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** *0*

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** *(SS)*  
**Activity Status:** *PROPERTY/SITE REFERRED TO RWQCB*  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** *12281995*  
**Yards of Solids Removed:** *0*  
**Yards of Solids Treated:** *0*  
**Gallons of Liquid Removed:** *0*  
**Gallons of Liquid Treated:** *0*

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

DATE	COMMENT
<i>02151980</i>	<i>QUESTIONNAIRE SENT: WADE S</i>
<i>03251980</i>	<i>QUESTIONNAIRE RECEIVED: WADE S</i>
<i>03251980</i>	<i>WASTES DISPOSED AT RD. 18-C (OFF-SITE)</i>
<i>10201980</i>	<i>INSPECTION(LOCAL) INSPECTION and SAMPLING BY CO. AG. DEPT.</i>

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 20

**DIST/DIR:** 1.72 SE

**MAP ID:** 53

**NAME:** AGRIFORM FARM SUPPLY, INC  
**ADDRESS:** 40189 COUNTY ROAD 18C  
WOODLAND CA 95776  
YOLO

**REV:** 07/03/00  
**ID1:** CAL57280008  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

<b>DATE</b>	<b>COMMENT</b>
03261982	<i>FACILITY DRIVE-BY DRIVE BY</i>
12281995	<i>Site Screening completed. Test results from samples taken</i>
12281995	<i>from rinsewater pond revealed Di-Syston at up to 2491.8 ppm,</i>
12281995	<i>O,P -DDE at up to 35 ppm, P,P -DDE at up to 46.5 ppm, and</i>
12281995	<i>Toxaphene at up to 2281.5 ppm of contamination in the dried</i>
12281995	<i>pond bed. A cleanup agreement was made between the Regional</i>
12281995	<i>Water Quality Control Board (RWQCB) and Agriform. On 11/5/95</i>
12281995	<i>the RWQCB certified that the rinsewater pond contamination</i>
12281995	<i>levels were below standards set by the RWQCB. Refer site to</i>
12281995	<i>RWQCB for ongoing oversight.</i>



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

---

<b>SEARCH ID:</b> 3	<b>DIST/DIR:</b> 1.76 SE	<b>MAP ID:</b> 54
---------------------	--------------------------	-------------------

---

<b>NAME:</b> ROB AUERNIG AUTOBODY	<b>REV:</b> 6/6/06
<b>ADDRESS:</b> 1780 P F E R D ROSEVILLE CA 95747 PLACER	<b>ID1:</b> CA0000971515
<b>CONTACT:</b> ROBERT AUERNIG	<b>ID2:</b>
	<b>STATUS:</b> SGN
	<b>PHONE:</b> 9167830280

---

**SITE INFORMATION**

**CONTACT INFORMATION:** ROBERT AUERNIG  
1780 P F E R D  
ROSEVILLE CA 95747

**PHONE:** 9167830280

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 38

**DIST/DIR:** 1.78 SE

**MAP ID:** 55

**NAME:** TRANSPORTATION  
**ADDRESS:** 7900 ELOISE  
ELVERTA CA 95626  
Sacramento

**REV:** 01/01/94  
**ID1:** TISID-STATE37398  
**ID2:**  
**STATUS:** ACTIVE  
**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**LUST**

**SEARCH ID:** 52                                      **DIST/DIR:** 1.78 S-                                      **MAP ID:** 56

<b>NAME:</b>	SACRAMENTO INTERNATIONAL AIRPORT	<b>REV:</b>	01/08/07
<b>ADDRESS:</b>	7207 EARHART DRIVE	<b>ID1:</b>	T0606702396
	SACRAMENTO CA 95837	<b>ID2:</b>	
	SACRAMENTO	<b>STATUS:</b>	LEAK BEING CONFIRMED
<b>CONTACT:</b>		<b>PHONE:</b>	

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:** R00001615  
**RESPONSIBLE PARTY:** GREG ROWE  
**ADDRESS OF RESPONSIBLE PARTY:** 6900 AIRPORT BOULEVARD  
**SITE OPERATOR:**  
**WATER SYSTEM:**

**CASE NUMBER:** 341468  
**CASE TYPE:** OTHER  
**SUBSTANCE LEAKED:** MTBE,NNM  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:** UNKNOWN  
**LEAK SOURCE:** UNKNOWN  
**HOW LEAK WAS DISCOVERED:** NO DESCRIPTION  
**DATE DISCOVERED (blank if not reported):** 2006-06-27  
**HOW LEAK WAS STOPPED:**  
**STOP DATE (blank if not reported):**  
**STATUS:** LEAK BEING CONFIRMED  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):**  
**DATE OF ENFORCEMENT (blank if not reported):**

**ENTER DATE (blank if not reported):**  
**REVIEW DATE (blank if not reported):**  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 2006-07-25  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 2006-07-25

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):**  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 0  
**MTBE TESTED:** YES  
**MTBE CLASS:** \*



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 5

**DIST/DIR:** 1.79 S-

**MAP ID:** 57

**NAME:** ALLIED AVIATION SACRAMENTO INTL AIRPORT  
**ADDRESS:** 7201 EARHART DR  
SACRAMENTO CA 95837  
CA067  
**CONTACT:** JOHN CORMIER

**REV:** 6/6/06  
**ID1:** CAR000151597  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 916-924-1002

**SITE INFORMATION**

**CONTACT INFORMATION:** JOHN CORMIER  
7201 EARHART DRIVE TRAILER NO 1  
SACRAMENTO CA 95837

**PHONE:** 916-924-1002

**CONTACT INFORMATION:** JOHN CORMIER  
7201 EARHART DR ALLIED AVIATION FUEL STN  
SACRAMENTO CA 95837

**PHONE:** 916-924-1002

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

48819 - OTHER SUPPORT ACTIVITIES FOR AIR TRANSPORTATION  
488119 - OTHER AIRPORT OPERATIONS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Ignitable waste

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 7

**DIST/DIR:** 1.79 S-

**MAP ID:** 57

**NAME:** SACRAMENTO INTERNATIONAL FUEL FACILITY  
**ADDRESS:** 7330 EARHART DR  
 SACRAMENTO CA 95837

**REV:** 4/1/08  
**ID1:** CAR000185157  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 916-924-1002

**CONTACT:** JOHN A CORMIER

**CONTACT INFORMATION:**

JOHN A CORMIER  
 916-924-1002  
 JOHN.CORMIER ALLIEDAVIATION.COM

**UNIVERSE INFORMATION:**

*GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)*

**GPRA CA BASELINE UNIVERSE:** NO  
**GPRA CA 2008:** NO

*SUBJECT TO CORRECTIVE ACTION (SUBJCA)*

**SUBJCA:** NO  
**SUBJCA TSD 3004:** NO  
**SUBJCA NON TSD:** NO  
**SUBJCA TSD DISCRETION:** NO

**PERMIT WORKLOAD:** ----  
**CLOSURE WORKLOAD:** ----  
**POST CLOSURE WORKLOAD:** ----

**PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:** ----

**CORRECTIVE ACTION WORKLOAD:** NO  
**GENERATOR STATUS:** SQG  
**TRANSPORTER:** NO  
**UNIVERSAL WASTE:** NO  
**RECYCLER:** NO  
**USED OIL:** NO  
**IMPORTER:** NO  
**MIXED WASTE GENERATOR:** NO  
**ONSITE BURNER EXEMPT:** NO  
**FURNACE EXEMPTION:** NO  
**UNDERGROUND INJECTION:** NO

**NAIC 1:** Other Support Activities for Air Transportation  
**NAIC 2:**  
**NAIC 3:**  
**NAIC 4:**

# *Environmental FirstSearch Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## UST

**SEARCH ID:** 35

**DIST/DIR:** 1.79 SE

**MAP ID:** 58

**NAME:** ELVERTA GAS  
**ADDRESS:** 7801 RIO LINDA  
ELVERTA CA 95825  
Sacramento

**REV:** 01/01/94  
**ID1:** TISID-STATE37588  
**ID2:**  
**STATUS:** ACTIVE  
**PHONE:**

### UST HISTORICAL DATA

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

*Environmental FirstSearch  
Site Detail Report*

**Target Property:**  
NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

---

<b>SEARCH ID:</b> 50	<b>DIST/DIR:</b> 1.79 SE	<b>MAP ID:</b> 58
----------------------	--------------------------	-------------------

---

<b>NAME:</b> YENOVKIAN PROPERTY <b>ADDRESS:</b> 7801 RIO LINDA BLVD ELVERTA CA 95626 SACRAMENTO <b>CONTACT:</b>	<b>REV:</b> 01/12/06 <b>ID1:</b> T0606701062 <b>ID2:</b> <b>STATUS:</b> REMEDIATION PLAN <b>PHONE:</b>
-----------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

---

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

*Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.*

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:** D556  
**RESPONSIBLE PARTY:** ARAM YENOVKIAN  
**ADDRESS OF RESPONSIBLE PARTY:** 1071 LOS MOLINOS WAY  
**SITE OPERATOR:**  
**WATER SYSTEM:**

**CASE NUMBER:** 341238  
**CASE TYPE:** SOIL ONLY  
**SUBSTANCE LEAKED:** GASOLINE  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:** UNKNOWN  
**LEAK SOURCE:** UNKNOWN  
**HOW LEAK WAS DISCOVERED:** NO DESCRIPTION  
**DATE DISCOVERED (blank if not reported):** 1998-08-26  
**HOW LEAK WAS STOPPED:** CLOSE TANK  
**STOP DATE (blank if not reported):** 1998-08-26  
**STATUS:** REMEDIATION PLAN  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** FREV  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1999-04-23  
**REVIEW DATE (blank if not reported):** 2002-04-05  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 1998-08-26  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):** 1998-08-26  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):** 1999-10-13  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):** 2003-12-15  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 1998-09-16

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE (Date of historical maximum MTBE concentration):** 1965-01-05  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):** LESS THAN 0.5  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 1  
**MTBE FUEL:** 1  
**MTBE TESTED:** YES  
**MTBE CLASS:** D



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 44	<b>DIST/DIR:</b> 1.83 S-	<b>MAP ID:</b> 59
----------------------	--------------------------	-------------------

---

<b>NAME:</b> METRO AIRPORT <b>ADDRESS:</b> 7207 EARHART SACRAMENTO CA 95837 Sacramento <b>CONTACT:</b>	<b>REV:</b> 01/01/94 <b>ID1:</b> TISID-STATE37921 <b>ID2:</b> <b>STATUS:</b> ACTIVE <b>PHONE:</b>
--------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------

---

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 33

**DIST/DIR:** 1.83 SE

**MAP ID:** 60

**NAME:** AIR BLOWN CONCRETE

**REV:** 01/01/94

**ADDRESS:** 601 DELANO  
ELVERTA CA 95626  
Sacramento

**ID1:** TISID-STATE38325

**ID2:**

**STATUS:** ACTIVE

**CONTACT:**

**PHONE:**

**UST HISTORICAL DATA**

This site was listed in the FIDS Zip Code List as a UST site. The Office of Hazardous Data Management produced the FIDS list. The FIDS list is an index of names and locations of sites recorded in various California State environmental agency databases. It is sorted by zip code and as an index, details regarding the sites were never included.

The UST information included in FIDS as provided by the Office of Hazardous Data Management was originally collected from the SWEEPS database. The SWEEPS database recorded Underground Storage Tanks and was maintained by the State Water Resources Control Board (SWRCB). That agency no longer maintains the SWEEPS database and last updated it in 1994. The last release of that 1994 database was in 1997.

Oversight of Underground Storage Tanks within California is now conducted by Certified Unified Program Agencies referred to as CUPA s. There are approximately 102 CUPA s and Local Oversight Programs (LOP s) in the State of California. Most are city or county government agencies. As of 1998, all sites or facilities with underground storage tanks were required by Federal mandate to obtain certification by designated UST oversight agencies (in this case, CUPA s) that the UST/s at their location were upgraded or removed in adherence with the 1998 RCRA standards.

Information from the FIDS/SWEEPS lists were included in this report search to help identify where underground storage tanks may have existed that were not recorded in CUPA databases or lists collected by Track Info Services. This may occur if a tank was removed prior to development of recent CUPA UST lists or never registered with a CUPA.

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 6

**DIST/DIR:** 1.85 S-

**MAP ID:** 61

**NAME:** PST SACRAMENTO STORAGE  
**ADDRESS:** 7201 EARHART DR  
SACRAMENTO CA 95837  
SACRAMENTO  
**CONTACT:** ENVIRONMENTAL MANAGER

**REV:** 6/6/06  
**ID1:** CAD981977523  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 9166480649

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
7201 EARHART DR  
SACRAMENTO CA 95832

**PHONE:** 9166480649

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

---

<b>SEARCH ID:</b> 40	<b>DIST/DIR:</b> 1.85 S-	<b>MAP ID:</b> 61
----------------------	--------------------------	-------------------

---

<b>NAME:</b> DEPT ARPTS, SACRAMENTO INTL AIRPORT OP and MA	<b>REV:</b> 01/12/2000
<b>ADDRESS:</b> 7201 EARHART DR	<b>ID1:</b> SACRAMENTO15279
SACRAMENTO CA 95837	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> NUMBER OF CERTIFIED TANKS:5
<b>CONTACT:</b>	<b>PHONE:</b>

---

**COUNTY OF SACRAMENTO CERTIFIED UNDERGROUND TANKS LIST INFORMATION**

<b>Certification Number:</b>	15279
<b>Number of Tanks:</b>	5

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 161

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PRICE-LESS DRUG STORE  
**ADDRESS:** 8031 WATT AVE  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 08/22/05  
**ID1:** FA0010483  
**ID2:**  
**STATUS:** NOT REPORTED  
**PHONE:**

**CONTACT:**

**SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:**

**Number of Tanks at Site (where applicable):**

RCRAGN

**SEARCH ID:** 77

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** 2 MILE S/E PLEASANT GROVE  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 6/6/06  
**ID1:** CAT080015142  
**ID2:**  
**STATUS:** SGN  
**PHONE:**

**CONTACT:**

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
2 MILE S/E PLEASANT GROVE  
PLEASANT GROVE CA 95668

**PHONE:** 9164850997

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 84

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** TOSCO NORTHWEST CO NO 11252  
**ADDRESS:** I 5 AND COUNTRY ROAD NO 6  
DUNNIGAN CA 95937  
YOLO  
**CONTACT:** LYNN CHUN

**REV:** 6/6/06  
**ID1:** CAR000000323  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 2064427193

**SITE INFORMATION**

**CONTACT INFORMATION:** LYNN CHUN  
601 UNION ST STE 2500  
SEATTLE WA 98101

**PHONE:** 2064427193

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 160

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MONROE S DUMP  
**ADDRESS:** PALLADAY RD  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 07/18/05  
**ID1:** CAL34490020  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**GENERAL SITE INFORMATION**

**Site Type:** *Historical*  
**Status:** *Refer: RWQCB*  
**Status Date:** *1981-08-04 00:00:00*  
**NPL Site:** *NO*  
**Funding:**  
**Regulatory Agencies Involved:** *NONE SPECIFIED*  
**Lead Agency:** *NONE SPECIFIED*  
**Project Manager:**  
**Supervisor:** *Referred - Not Assigned*  
**Branch:** *Central California*  
**Acres:**  
**Assessor s Parcel Number:** *NONE SPECIFIED*  
**Past Uses:** *NONE SPECIFIED*  
**Potential Contaminants:** *NONE SPECIFIED*  
**Confirmed Contaminants:** *NONE SPECIFIED*  
**Potential Media Affected:** *NONE SPECIFIED*  
**Restricted Use:** *NO*  
**Site Management Required:** *NONE SPECIFIED*  
**Special Programs Associated with this Site:**

**OTHER SITE NAMES (blank below = not reported by agency)**

*34490020*

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Discovery*  
**Completion Date:** *1981-06-08*  
**Comments:** *FACILITY IDENTIFIED ANONYMOUS PHONE TIP.*

*Environmental FirstSearch*  
*Site Detail Report*

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 159 **DIST/DIR:** NON GC **MAP ID:**

**NAME:** VERIZON WIRELESS **REV:** 08/22/05  
**ADDRESS:** 3517 WATT AVE **ID1:** FA0018227  
 NORTH HIGHLANDS CA 95660 **ID2:**  
 SACRAMENTO **STATUS:** NOT REPORTED  
**CONTACT:** **PHONE:**

SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:  
**Number of Tanks at Site (where applicable):**

OTHER

**SEARCH ID:** 158 **DIST/DIR:** NON GC **MAP ID:**

**NAME:** SASHA AUTO BODY **REV:** 08/22/05  
**ADDRESS:** 7245 32ND ST W **ID1:** FA0013938  
 NORTH HIGHLANDS CA 95660 **ID2:**  
 SACRAMENTO **STATUS:** NOT REPORTED  
**CONTACT:** **PHONE:**

SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:  
**Number of Tanks at Site (where applicable):**



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRANLR

**SEARCH ID:** 86

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FOSROC INC  
**ADDRESS:** 665 NORTH COUNTRY RD STE 101  
WOODLAND CA 95695  
YOLO  
**CONTACT:** LEO HICKAM

**REV:** 6/6/06  
**ID1:** CAD981687593  
**ID2:**  
**STATUS:** NLR  
**PHONE:** 5028682617

**SITE INFORMATION**

**CONTACT INFORMATION:** LEO HICKAM  
150 CARLEY CT  
GEORGETOWN KY 40324

**PHONE:** 5028682617

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 85

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** USA GASOLINE CORP FACILITY NO 3088  
**ADDRESS:** 29770 COUNTRY RD NO 8  
DUNNIGAN CA 95937  
YOLO  
**CONTACT:** CHUCK MILLER

**REV:** 7/8/03  
**ID1:** CAR000144394  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 818-865-9200

DETAILS NOT AVAILABLE

RCRAGN

**SEARCH ID:** 83

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** ROAD 89  
DUNNIGAN CA 95937  
YOLO  
**CONTACT:**

**REV:** 6/6/06  
**ID1:** CAT080017387  
**ID2:**  
**STATUS:** SGN  
**PHONE:**

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
ROAD EIGHTY NINETH  
DUNNIGAN CA 95937

**PHONE:** 9164850997

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

---

<b>SEARCH ID:</b> 82	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
----------------------	-------------------------	----------------

---

<b>NAME:</b> DELTA AIR LINES SACRAMENTO	<b>REV:</b> 2/9/04
<b>ADDRESS:</b> SACRAMENTO AIRPORT	<b>ID1:</b> CAD982011140
SACRAMENTO CA 95837	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> SGN
<b>CONTACT:</b> ENVIRONMENTAL MANAGER	<b>PHONE:</b> 9162978352

---

**SITE INFORMATION**

**UNIVERSE TYPE:**

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 81

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHEVRON 1001558  
**ADDRESS:** 7201 EARHART DRIVE  
SACRAMENTO CA 95837  
SACRAMENTO  
**CONTACT:** KATHY L NORRIS

**REV:** 6/6/06  
**ID1:** CAT000614917  
**ID2:**  
**STATUS:** LGN  
**PHONE:** 9258425931

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
ARPT BLVD and INT FIFTH  
SACRAMENTO CA 95837

**PHONE:** 4156383434

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

42471 - PETROLEUM BULK STATIONS AND TERMINALS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Ignitable waste  
Benzene

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 80

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** AERA SACRAMENTO UNIT  
**ADDRESS:** 50 N 2ND ST  
SACRAMENTO CA 95691  
**CONTACT:** RON CHAMBERS

**REV:** 6/6/06  
**ID1:** CAD981453459  
**ID2:**  
**STATUS:** LGN  
**PHONE:** 8053265641

**SITE INFORMATION**

**CONTACT INFORMATION:** RON CHAMBERS  
P O BOX 11164  
BAKERSFIELD CA 933891164

**PHONE:** 8053265641

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Corrosive waste  
Ignitable waste

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

---

<b>SEARCH ID:</b> 78	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
----------------------	-------------------------	----------------

---

<b>NAME:</b> PACIFIC BELL	<b>REV:</b> 6/6/06
<b>ADDRESS:</b> N/W CORNER PLEASANT GROVE	<b>ID1:</b> CAT080015159
PLEASANT GROVE CA 95668	<b>ID2:</b>
SUTTER	<b>STATUS:</b> SGN
<b>CONTACT:</b>	<b>PHONE:</b>

---

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
N/W CORNER PLEASANT GROVE  
PLEASANT GROVE CA 95668

**PHONE:** 9164850997

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**



## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### OTHER

**SEARCH ID:** 164

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SILVER CREEK

**REV:** 08/08/07

**ADDRESS:** 4300 PFE ROAD AND 9245 WALERGA ROAD (ADJOINING PROPERTIES)

**ID1:** CAL60000292

ROSEVILLE CA 95747

**ID2:**

PLACER

**STATUS:** NO FURTHER ACTION

**CONTACT:**

**PHONE:**

**GENERAL SITE INFORMATION**

<b>Site Type:</b>	<i>Voluntary Cleanup</i>
<b>Status:</b>	<i>No Further Action</i>
<b>Status Date:</b>	<i>2006-06-27 00:00:00</i>
<b>NPL Site:</b>	<i>NO</i>
<b>Funding:</b>	<i>Responsible Party</i>
<b>Regulatory Agencies Involved:</b>	<i>SMBRP</i>
<b>Lead Agency:</b>	<i>NONE SPECIFIED</i>
<b>Project Manager:</b>	<i>LEONA WINNER</i>
<b>Supervisor:</b>	<i>Steven Becker</i>
<b>Branch:</b>	<i>Brownfields Revitalization Unit</i>
<b>Acres:</b>	<i>28.6</i>
<b>Assessor s Parcel Number:</b>	<i>NONE SPECIFIED</i>
<b>Past Uses:</b>	<i>AGRICULTURAL - LIVESTOCK, AGRICULTURAL - ORCHARD</i>
<b>Potential Media Affected:</b>	<i>NMA</i>
<b>Restricted Use:</b>	<i>NO</i>
<b>Site Management Required:</b>	<i>NONE SPECIFIED</i>
<b>Special Programs Associated with this Site:</b>	<i>Voluntary Cleanup Program</i>

**OTHER SITE NAMES (blank below = not reported by agency)**

101788

60000292

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

<b>Area Name:</b>	<i>PROJECT WIDE</i>
<b>Sub- Area Name:</b>	
<b>Document Type:</b>	<i>Preliminary Endangerment Assessment Report</i>
<b>Completion Date:</b>	<i>2006-06-27 00:00:00</i>
<b>Comments:</b>	<i>Pre-existing data was received and no further action was deemed necessary.</i>

<b>Area Name:</b>	<i>PROJECT WIDE</i>
<b>Sub- Area Name:</b>	
<b>Document Type:</b>	<i>Voluntary Clean-up Agreement</i>
<b>Completion Date:</b>	<i>2006-05-02 00:00:00</i>
<b>Comments:</b>	<i>A Voluntary Cleanup Agreement was executed. The agreement calls for the completion of a Preliminary Endangerment Assessment.</i>



*Environmental FirstSearch  
Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRAGN

**SEARCH ID:** 79

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SIERRA MACHINERY SERVICES  
**ADDRESS:** 751 B PACIFIC AVENUE  
PLEASANT GROVE CA 95668  
SACRAMENTO  
**CONTACT:** LINDA S GRODE

**REV:** 6/6/06  
**ID1:** CAR000157404  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 916-655-3077

**SITE INFORMATION**

**CONTACT INFORMATION:** LINDA GRODE  
751 B PACIFIC AVENUE  
PLEASANT GROVE CA 95668

**PHONE:** 916-655-3077

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

81131 - COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Ignitable waste  
Lead  
Tetrachloroethylene  
Benzene

# *Environmental FirstSearch Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

---

<b>SEARCH ID:</b> 175	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

---

<b>NAME:</b> CENTER UNIFIED SCHOOL DISTRICT	<b>REV:</b> 01/12/06
<b>ADDRESS:</b> 8408 WATT AVE	<b>ID1:</b> T0606700572
ELVERTA CA 95626	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> CASE CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>

---

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

*Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.*

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:** B561  
**RESPONSIBLE PARTY:** CENTER UNIFIED SCHOOL DISTRICT  
**ADDRESS OF RESPONSIBLE PARTY:** 8408 WATT AVE, ELVERTA, CA 95626  
**SITE OPERATOR:** AL WHENT  
**WATER SYSTEM:**

**CASE NUMBER:** 340671  
**CASE TYPE:** SOIL ONLY  
**SUBSTANCE LEAKED:** GASOLINE  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:**  
**LEAK SOURCE:**  
**HOW LEAK WAS DISCOVERED:**  
**DATE DISCOVERED (blank if not reported):** 1992-08-12  
**HOW LEAK WAS STOPPED:**  
**STOP DATE (blank if not reported):**  
**STATUS:** CASE CLOSED  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):** EXCAVATE AND DISPOSE-REMOVE CONTAMINATED SOIL AND DISPOSE IN APPROVED SITE  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** NONE TAKEN  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01  
**ENTER DATE (blank if not reported):** 1992-11-18  
**REVIEW DATE (blank if not reported):** 2002-03-22  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 1992-08-12  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):** 1992-08-20  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):** 1992-10-15  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):** 1992-10-28  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):** 1992-10-15  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):** 1993-02-19  
**REPORT DATE (blank if not reported):** 1992-08-12

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):**  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 1  
**MTBE TESTED:** SITE NOT TESTED FOR MTBE. INCLUDES UNKNOWN AND NOT ANALYZED  
**MTBE CLASS:** \*

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### OTHER

**SEARCH ID:** 162

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GENERAL CARTAGE  
**ADDRESS:** COUNTY ROAD 103 AND COUNTY ROAD 27  
WOODLAND CA 95695  
YOLO

**REV:** 07/18/05  
**ID1:** CAL57420004  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**GENERAL SITE INFORMATION**

**Site Type:** *Historical*  
**Status:** *Refer: RWQCB*  
**Status Date:** *1987-01-29 00:00:00*  
**NPL Site:** *NO*  
**Funding:**  
**Regulatory Agencies Involved:** *NONE SPECIFIED*  
**Lead Agency:** *NONE SPECIFIED*  
**Project Manager:**  
**Supervisor:** *Referred - Not Assigned*  
**Branch:** *Central California*  
**Acres:**  
**Assessor s Parcel Number:** *NONE SPECIFIED*  
**Past Uses:** *NONE SPECIFIED*  
**Potential Contaminants:** *NONE SPECIFIED*  
**Confirmed Contaminants:** *NONE SPECIFIED*  
**Potential Media Affected:** *NONE SPECIFIED*  
**Restricted Use:** *NO*  
**Site Management Required:** *NONE SPECIFIED*  
**Special Programs Associated with this Site:**

**OTHER SITE NAMES (blank below = not reported by agency)**

57420004

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Site Screening*  
**Completion Date:** *1987-01-29*  
**Comments:** *SITE SCREENING DONE. NO DEPARTMENT OF HEALTH SERVICES FILE FOUND.*

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Discovery*  
**Completion Date:** *1982-03-26*  
**Comments:** *FACILITY IDENTIFIED: OBSERVED ON DRIVE BYS - ACTIVE SITE. FACILITY DRIVE-BY: PETROLEUM DISCHARGED TO STREET DRAIN. FINAL STRATEGY SITE REFERRED: TO COUNTY HEALTH AND REGIONAL WATER QUALITY CONTROL BOARD.*

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

<b>SEARCH ID:</b> 132	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

<b>NAME:</b> USA PETROLEUM <b>ADDRESS:</b> 29770 COUNTY ROAD 8 DUNNIGAN CA 95937 YOLO <b>CONTACT:</b>	<b>REV:</b> 7/10/07 <b>ID1:</b> 110021334796 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b>
-------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> NEI <b>PROVIDED BY:</b> FEDERAL AGENCY <b>AGENCY INT QUAL:</b> <b>INT END QUAL:</b> <b>LAST REPORTED:</b> <b>ENFORCEMENT ACT:</b> <b>REG PROGRAM:</b>	<b>PROGRAM ID:</b> NEI2CA635317 <b>AGENCY INTERESTED:</b> <b>INTEREST ENDED:</b> <b>SOURCE OF DATA:</b> NEI <b>LAST EXTRACTED:</b> 6/14/2005 10:58:27 AM  <b>CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY</b>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>PROGRAM:</b> FRS <b>PROVIDED BY:</b> FEDERAL AGENCY <b>AGENCY INT QUAL:</b> <b>INT END QUAL:</b> <b>LAST REPORTED:</b> 5/19/2005 9:09:05 AM <b>ENFORCEMENT ACT:</b> <b>REG PROGRAM:</b>	<b>PROGRAM ID:</b> 110021334796 <b>AGENCY INTERESTED:</b> 5/19/2005 9:09:04 AM <b>INTEREST ENDED:</b> <b>SOURCE OF DATA:</b> NEI <b>LAST EXTRACTED:</b>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>SITE TYPE:</b> <b>INTEREST STATUS:</b> <b>DATA QUALITY:</b> <b>LOCATION DESC:</b> <b>ADDRESS TYPE:</b> <b>LAST REPORTED:</b> <b>POSTED TO DATABASE:</b> <b>DATA UPDATED:</b> <b>ENTERED PERSON/METHOD:</b> <b>PARENT REG ID:</b> <b>CONFIDENCE IN ADDR:</b> <b>ENFORCEMENT SENSITIVE:</b> <b>REQ MANUAL REVIEW:</b> <b>REASON MAN REVIEW:</b> <b>SMALL BUS POLICY:</b> <b>ENFORCEMENT ACTION:</b> <b>DATA PUB ACCESS:</b> <b>INTERNAL SYS ID:</b>	STATIONARY ACTIVE V  REGULAR URBAN, HWY  5/19/2005 9:09:04 AM  REFRESH     YES
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------

<b>FEDERAL FACILITY:</b> <b>FEDERAL AGENCY:</b> <b>TRIBAL LAND:</b> <b>TRIBAL LAND NAME:</b> <b>CONGRESSIONAL DIST:</b> <b>LEGISLATIVE DIST:</b> <b>HYDROLOGICAL UNTIS:</b> <b>EPA REGION:</b> <b>AIRSHED:</b> <b>CENSUS BLOCK:</b>	  NO     09
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 127

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** KANG CHEVRON  
**ADDRESS:** COUNTY ROAD 6 and 89  
 DUNNIGAN CA 95937  
 YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110021341430  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA351074
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:58:00 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110021341430
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	5/19/2005 9:31:44 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>	5/19/2005 9:31:44 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** DIRECTION  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 5/19/2005 9:31:44 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 126 **DIST/DIR:** NON GC **MAP ID:**

<b>NAME:</b>	DUNNIGAN SHELL	<b>REV:</b>	7/10/07
<b>ADDRESS:</b>	I-5 and COUNTY ROAD 6 DUNNIGAN CA 95937 YOLO	<b>ID1:</b>	110021272978
<b>CONTACT:</b>		<b>ID2:</b>	
		<b>STATUS:</b>	FRS
		<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110021272978
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	5/19/2005 7:01:00 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>	5/19/2005 7:01:00 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA635184
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:56:00 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	DIRECTION
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	5/19/2005 7:01:00 AM
<b>DATA UPDATED:</b>	
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	
<b>ENFORCEMENT SENSITIVE:</b>	
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 125

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCO PHILLIPS COMPANY  
**ADDRESS:** I-5 and COUNTY ROAD 6  
DUNNIGAN CA 95937  
YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110021306380  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:** 5/19/2005 8:06:09 AM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM ID:** 110021306380  
**AGENCY INTERESTED:** 5/19/2005 8:06:08 AM  
**INTEREST ENDED:**  
**SOURCE OF DATA:** NEI  
**LAST EXTRACTED:**

**PROGRAM:** NEI  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**PROGRAM ID:** NEI2CA163596  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** NEI  
**LAST EXTRACTED:** 6/14/2005 10:55:57 AM

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** DIRECTION  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 5/19/2005 8:06:09 AM  
**DATA UPDATED:** 9/30/2005 11:27:31 AM  
**ENTERED PERSON/METHOD:** SJOHNSON  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

<b>SEARCH ID:</b> 124	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> BSK ASSOCIATES	<b>REV:</b> 7/10/07	
<b>ADDRESS:</b> 30035 COUNTY ROAD 8 DUNNIGAN CA 95937 YOLO	<b>ID1:</b> 110021334590	
<b>CONTACT:</b>	<b>ID2:</b>	
	<b>STATUS:</b> FRS	
	<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110021334590
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	5/19/2005 9:08:36 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>	5/19/2005 9:08:36 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA351225
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:57:56 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN, HWY
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	5/19/2005 9:08:36 AM
<b>DATA UPDATED:</b>	
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	
<b>ENFORCEMENT SENSITIVE:</b>	
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	NO
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	



# Environmental FirstSearch

## Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

**SEARCH ID:** 121

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SPRECKELS SUGAR COMPANY WOODLAND  
**ADDRESS:** 40600 COUNTY ROAD UNIT 18C  
 WOODLAND CA 95776  
 YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110000601322  
**ID2:** CAT000624767  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110000601322
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1135809
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:02:53 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	TRIS	<b>PROGRAM ID:</b>	95695SPRCKCOUNT
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	12/31/1987
<b>AGENCY INT QUAL:</b>	FIRST REPORTING YEAR	<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	TRI REPORTING FORM
<b>LAST REPORTED:</b>	7/6/2001	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	TRI REPORTER - A TOXIC RELEASE INVENTORY REPORTER IS A FACILITY WHICH: EMPLOYS THE EQUIVALENT OF 10 OR MORE FULL-TIME EMPLOYEES; AND IS INCLUDED IN STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES 10XX, 12XX, 20XX-39XX, 4911, 4931, 4939, 4953, 5169, 5171, OR 7389; AND MANUFACTURES (DEFINED TO INCLUDE IMPORTING), PROCESSES, OR OTHERWISE USES ANY EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) SECTION 313 CHEMICAL IN QUANTITIES GREATER THAN THE ESTABLISHED THRESHOLD IN THE COURSE OF A CALENDAR YEAR (I.E., MANUFACTURES OR PROCESSES OVER 25,000 POUNDS OF THE APPROXIMATELY 600 DESIGNATED CHEMICALS OR 28 CHEMICAL CATEGORIES SPECIFIED IN THE REGULATIONS, OR USES MORE THAN 10,000 POUNDS OF ANY DESIGNATED CHEMICAL OR CATEGORY).		

<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	CAT000624767
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	EPA INSPECTION
<b>LAST REPORTED:</b>	9/1/1996	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V

- Continued on next page -

# Environmental FirstSearch Site Detail Report

**Target Property:**  
NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## FINDS

<b>SEARCH ID:</b> 121	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

<b>NAME:</b> SPRECKELS SUGAR COMPANY WOODLAND	<b>REV:</b> 7/10/07
<b>ADDRESS:</b> 40600 COUNTY ROAD UNIT 18C	<b>ID1:</b> 110000601322
WOODLAND CA 95776	<b>ID2:</b> CAT000624767
YOLO	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>

**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 9/5/2002 12:28:31 PM  
**ENTERED PERSON/METHOD:** BBD  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020109  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 120

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** ROBERT S MINI MART  
**ADDRESS:** 450 COUNTY ROAD 102  
WOODLAND CA 95776  
YOLO

**REV:** 7/10/07  
**ID1:** 110021364414  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA635110
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:58:44 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110021364414
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	5/19/2005 11:24:10 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>	5/19/2005 11:24:11 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN, HWY  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 5/19/2005 11:24:11 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 119

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** OLD CITY OF WOODLAND LANDFILL  
**ADDRESS:** SE CORNER OF COUNTY ROADS 102  
 WOODLAND CA 95776  
 YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110014017919  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICALF69
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:02:07 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110014017919
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/11/2003 7:12:34 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI-HAP
<b>LAST REPORTED:</b>	4/11/2003 7:12:35 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** DIRECTION  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/11/2003 7:12:35 PM  
**DATA UPDATED:** 6/22/2006 1:07:37 PM  
**ENTERED PERSON/METHOD:** KGOODWIN  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 134

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NORTH HIGHLANDS AIR NATIONAL GUARD  
**ADDRESS:** 8 ACRES:6 MI NORTHEAST OF SACRAMENTO, CA  
SACRAMENTO CA 95660  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34480006  
**ID2:**  
**STATUS:** DELISTED  
**PHONE:**

**CONTACT:**

**OTHER SITE NAMES (blank below = not reported by agency)**

**OTHER SITE NAMES (blank below = not reported by agency)**

*NORTH HIGHLANDS ANG*

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** *NORTH HIGHLANDS ANG*

**Status:** *DELISTED (DLIST)*  
**AWP Site Type:** *OPEN MILITARY BASE*  
**NPL Site:** *N*  
**Fund:**  
**Status Date:** *09051995*  
**Lead:** *DTSC*  
**Staff:** *JHARRIS3*  
**Senior Supervisor:** *EHONG*

**DTSC Region and RWQCB :** *1 / SACRAMENTO*  
**Branch:** *OMF-NORTHERN CALIF*  
**RWQCB:** *CENTRAL VALLEY*

**Site Access:**  
**On Cortese List:** *Listed*  
**Groundwater Contamination:** *N*  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** *3*

**BACKGROUND INFORMATION (blank below = not reported by agency)**

*The North Highlands Air National Guard (NHANG) Station began*

*operation in 1950. NHANG installs, operates and maintains mobile communication equipment. From the early 1960s thru 1979, vehicles and equipment were washed down in an open lot on the southwest side of the facility. In 1980, an oil/water separator was installed which is connected to the sanitary sewer.*

*Maintenance operations required the use of lubricants, fuels solvents, thinner and paint. Waste was usually disposed by a contractor or to DRMO at McClellan AFB. Small spills may have occurred. No orders have ever been issued to the facility.*

**INFORMATION ON SPECIAL PROGRAMS THE SITE IS ASSOCIATED WITH (blank below = not reported by agency)**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 134

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NORTH HIGHLANDS AIR NATIONAL GUARD  
**ADDRESS:** 8 ACRES;6 MI NORTHEAST OF SACRAMENTO, CA  
SACRAMENTO CA 95660  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34480006  
**ID2:**  
**STATUS:** DELISTED  
**PHONE:**

**CONTACT:**

*DEFENSE MEMORANDUM OF AGREEMENT*

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** (PA)  
**Activity Status:** DELISTED  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 01311991  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:** PRELIMINARY ENDANGERMENT ASSESSMENT (PEA)  
**Activity Status:** DELISTED  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 01191996  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:** DELISTED (DLIST)  
**Activity Status:** DELISTED  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 01191996  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

<b>DATE</b>	<b>COMMENT</b>
01311991	PA 01/31/91
<b>DATE</b>	<b>COMMENT</b>
01311991	Jan 1991 preliminary Assessment reviewed by RWQCB. Site
<b>DATE</b>	<b>COMMENT</b>
01311991	Investigative report reviewed by both DTSC and RWQCB, final
<b>DATE</b>	<b>COMMENT</b>
01311991	submitted to DTSC September 8, 1995
<b>DATE</b>	<b>COMMENT</b>
01191996	PEA 01-19-1996 The final Preliminary Assessment/Site

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 134

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NORTH HIGHLANDS AIR NATIONAL GUARD  
**ADDRESS:** 8 ACRES;6 MI NORTHEAST OF SACRAMENTO, CA  
SACRAMENTO CA 95660  
**CONTACT:** SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34480006  
**ID2:**  
**STATUS:** DELISTED  
**PHONE:**

DATE	COMMENT
01191996	Inspection (PA/SI) for the North Highland Air National
01191996	Guard Station (NHANG) was submitted to DTSC for review in
01191996	October of 1995. DTSC and the Central Valley Regional Water
01191996	Quality Control Board (RWQCB) reviewed and approved the
01191996	final PA/SI Report on January 19, 1995.
01191996	The PA/SI report provided assessments for two areas at
01191996	NHANG. The two areas were former truck and equipment wash
01191996	down areas. Soil and soil gas samples were collected
01191996	and analyzed for volatiles, semi-volatiles, inorganics and
01191996	petroleum compounds.
01191996	Volume Treated, Stabilized, or Disposed: N/A.
01191996	Approximate cost and funding source: The cost of the
01191996	PA/SI and actions was approximately \$100,000. The
01191996	project was DERA funded.
01191996	DELIST - The Department has determined, based upon a remedial
01191996	investigation or site characterization that the site poses no
01191996	significant threat to public health, welfare or the environment
DATE	COMMENT

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

---

<b>SEARCH ID:</b> 134	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

---

<b>NAME:</b> NORTH HIGHLANDS AIR NATIONAL GUARD	<b>REV:</b> 07/03/00
<b>ADDRESS:</b> 8 ACRES;6 MI NORTHEAST OF SACRAMENTO, CA SACRAMENTO CA 95660 SACRAMENTO	<b>ID1:</b> CAL34480006
<b>CONTACT:</b>	<b>ID2:</b>
	<b>STATUS:</b> DELISTED
	<b>PHONE:</b>

---

01191996      *and therefore, implementation of removal/remedial measures is*

<b>DATE</b>	<b>COMMENT</b>
01191996	<i>not necessary.</i>



# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## FINDS

<b>SEARCH ID:</b> 117	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> AGRIFORM, DIV. OF TREMONT <b>ADDRESS:</b> 40189 COUNTY ROAD 18 C WOODLAND CA 95776 YOLO	<b>CONTACT:</b>	<b>REV:</b> 7/10/07 <b>ID1:</b> 110023166517 <b>ID2:</b> I09 200506164335 1 <b>STATUS:</b> FRS <b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> NCDB	<b>PROGRAM ID:</b> I09 200506164335 1
<b>PROVIDED BY:</b> FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>
<b>AGENCY INT QUAL:</b>	<b>INTEREST ENDED:</b>
<b>INT END QUAL:</b>	<b>SOURCE OF DATA:</b> NCDB
<b>LAST REPORTED:</b>	<b>LAST EXTRACTED:</b> 12/5/2005 2:28:48 PM
<b>ENFORCEMENT ACT:</b>	
<b>REG PROGRAM:</b> COMPLIANCE ACTIVITY - A COMPLIANCE MONITORING OR ENFORCEMENT ACTIVITY, FROM THE TIME AN INSPECTOR CONDUCTS AN INSPECTION UNTIL THE TIME THE INSPECTOR CLOSSES OR THE CASE SETTLES THE ENFORCEMENT ACTION.	

<b>PROGRAM:</b> FRS	<b>PROGRAM ID:</b> 110023166517
<b>PROVIDED BY:</b> FEDERAL AGENCY	<b>AGENCY INTERESTED:</b> 12/5/2005 2:28:48 PM
<b>AGENCY INT QUAL:</b>	<b>INTEREST ENDED:</b>
<b>INT END QUAL:</b>	<b>SOURCE OF DATA:</b> NCDB
<b>LAST REPORTED:</b> 12/5/2005 2:28:48 PM	<b>LAST EXTRACTED:</b>
<b>ENFORCEMENT ACT:</b>	
<b>REG PROGRAM:</b> FACILITY -	

<b>SITE TYPE:</b> STATIONARY
<b>INTEREST STATUS:</b> ACTIVE
<b>DATA QUALITY:</b> V
<b>LOCATION DESC:</b>
<b>ADDRESS TYPE:</b> REGULAR URBAN, HWY
<b>LAST REPORTED:</b>
<b>POSTED TO DATABASE:</b> 12/5/2005 2:28:48 PM
<b>DATA UPDATED:</b>
<b>ENTERED PERSON/METHOD:</b> REFRESH
<b>PARENT REG ID:</b>
<b>CONFIDENCE IN ADDR:</b>
<b>ENFORCEMENT SENSITIVE:</b>
<b>REQ MANUAL REVIEW:</b>
<b>REASON MAN REVIEW:</b>
<b>SMALL BUS POLICY:</b>
<b>ENFORCEMENT ACTION:</b>
<b>DATA PUB ACCESS:</b> YES
<b>INTERNAL SYS ID:</b>

<b>FEDERAL FACILITY:</b>	NO
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

- Continued on next page -

*Environmental FirstSearch  
Site Detail Report*

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 117

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** AGRIFORM, DIV. OF TREMONT  
**ADDRESS:** 40189 COUNTY ROAD 18 C  
WOODLAND CA 95776  
YOLO

**REV:** 7/10/07  
**ID1:** 110023166517  
**ID2:** I09 200506164335 1  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 135

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MONROE S DUMP  
**ADDRESS:** PALLADAY RD  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34490020  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

MONROE S DUMP

**GENERAL SITE INFORMATION**

File Name (if different than site name):

**Status:** PROPERTY/SITE REFERRED TO RWQCB (REFRW)  
**AWP Site Type:** N/A  
**NPL Site:**  
**Fund:**  
**Status Date:** 08041981  
**Lead:**  
**Staff:**  
**Senior Supervisor:**

**DTSC Region and RWQCB :** 1 / SACRAMENTO  
**Branch:** CENTRAL CALIFORNIA  
**RWQCB:** CENTRAL VALLEY  
**Site Access:** Controlled

**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** DISCOVERY (DISC)  
**Activity Status:** PROPERTY/SITE REFERRED TO RWQCB  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 06081981  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

DATE	COMMENT
06081981	FACILITY IDENTIFIED ANONYMOUS PHONE TIP
06111981	FACILITY DRIVE-BY PROPERTY FENCED, UNABLE TO SURVEY
06111981	SOME JUNK CARS
06151981	FOUND FILE ON MONROE S DUMP FROM 1958
DATE	COMMENT

- Continued on next page -

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 135

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MONROE S DUMP  
**ADDRESS:** PALLADAY RD  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34490020  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

<p>06151981</p> <p><b>DATE</b></p> <p>06151981</p> <p><b>DATE</b></p> <p>06151981</p> <p><b>DATE</b></p> <p>06151981</p> <p><b>DATE</b></p> <p>06181981</p> <p><b>DATE</b></p> <p>06241981</p> <p><b>DATE</b></p> <p>06241981</p> <p><b>DATE</b></p> <p>07011981</p> <p><b>DATE</b></p> <p>07011981</p> <p><b>DATE</b></p> <p>07011981</p> <p><b>DATE</b></p> <p>07211981</p> <p><b>DATE</b></p> <p>07211981</p> <p><b>DATE</b></p> <p>07211981</p> <p><b>DATE</b></p> <p>07211981</p> <p><b>DATE</b></p> <p>07211981</p> <p><b>DATE</b></p> <p>07211981</p>	<p>MRS. MONROE OWNED DUMP IN 1958. WET GAR- BAGE DUMPED FROM 1955-1958.DUMPED 2 LOAD PER DAY AT MONROE S DUMP. WHERRUY HOUSG ADJ TO MATHER FIELD AERIAL SURVEILLANCE AERIAL PHOTOS ORDERED CO ENVR HLTH. B.ANDERSON NOT KNOW EXACT LOCATION INSPECTION(STATE) LETTER SENT TO MR. JIM STARK REQUESTING SITE INSP and SAMPLING OF HIS PROPERTY AT 8784-8840 PALLADAY RD. MR B.COURTNER,SWMB CALLED W/INFO ON MON- ROE S DUMP:LOC-ON S SIDE OF PALLADAY RD AT THE END OF THE E-W SEC OF THE RD.DUMP REMAINED OPEN FOR ABOUT 4-5 YRS. IT WAS A RURAL DUMP SURROUNDED BY AGRI-PROBABLY PEST and/OR CONTAINERS DUMP. IT SLOPES TO THE S-E. ON THE E and S BOUNDARIES IS A CREEK. A WATER WELL WAS DRILLED. SIZE IS</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 135

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MONROE S DUMP  
**ADDRESS:** PALLADAY RD  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34490020  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**CONTACT:**

<b>DATE</b>	<b>COMMENT</b>
07211981	APPROX 20 ACRES
07221981	CO ASSESSOR: ELMER KELLETT OWNS 8784
07221981	PALLADAY RD, KELLET S ADDR: 13122 GLORY
07221981	LN. RNCHO. MARK/NANCY PHEATT OWN 8846
07221981	PALLADAY RD
08031981	INSPECTION(STATE) ASP. COULD NOT LOCATE WELL. ONLY MUNI
08031981	WASTE VISIBLE. SEVERAL BACK-HOE TRENCHES
08031981	ON SITE. STARK IS BUYING PROP FROM KELLET
08031981	VEG DOES NOT APPEAR STRESSED. NO HZD WST
08031981	VISIBLE.
08041981	RATIONALE FOR NFA NO APPARENT PROBLEM BASED ON INSP

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 174

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHIMA S MARKET  
**ADDRESS:** 29029 COUNTY ROAD 6 AND COUNTY ROAD 89  
DUNNIGAN CA 95937  
YOLO  
**CONTACT:** CHIMA HARMINDAR

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0103  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 530-724-3446

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 11/18/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** DIESEL  
**Capacity:** 6000  
  
**Installed:** 07/01/94  
**Active:** 5  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 5  
**Tank Owner:** CHIMA HARMINDAR  
**Owner Address:** PO BOX 89 DUNNIGAN , CA 95937-0089

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 11/18/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 6000  
  
**Installed:** 07/01/94  
**Active:** 5  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 5  
**Tank Owner:** CHIMA HARMINDAR  
**Owner Address:** PO BOX 89 DUNNIGAN , CA 95937-0089

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 11/18/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 12000  
  
**Installed:** 07/01/94  
**Active:** 5  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 5  
**Tank Owner:** CHIMA HARMINDAR  
**Owner Address:** PO BOX 89 DUNNIGAN , CA 95937-0089

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 11/18/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 174

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHIMA S MARKET  
**ADDRESS:** 29029 COUNTY ROAD 6 AND COUNTY ROAD 89  
DUNNIGAN CA 95937  
YOLO  
**CONTACT:** CHIMA HARMINDAR

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0103  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 530-724-3446

**Last Test:**  
**Contents:** DIESEL  
**Capacity:** 6000  
  
**Installed:** 07/01/94  
**Active:** 5  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 5  
**Tank Owner:** CHIMA HARMINDAR  
**Owner Address:** PO BOX 89 DUNNIGAN , CA 95937-0089

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 11/18/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 6000  
  
**Installed:** 07/01/94  
**Active:** 5  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 5  
**Tank Owner:** CHIMA HARMINDAR  
**Owner Address:** PO BOX 89 DUNNIGAN , CA 95937-0089

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 173

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHIMA S MARKET  
**ADDRESS:** 29029 COUNTY ROAD 6  
DUNNIGAN CA 95937  
YOLO

**REV:** 04/20/99  
**ID1:** YOLO\_CERT\_000102  
**ID2:**  
**STATUS:** CERTIFICATE NUMBER: 10711  
**PHONE:**

**CONTACT:**

**INFORMATION FROM THE YOLO COUNTY CERTIFIED USTS LIST**

**Certification Number:** 10711

**Notes:**



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 172

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHEVRON-DUNNIGAN (TANKS)  
**ADDRESS:** 4040 COUNTY ROAD 89  
DUNNIGAN CA 95937  
Yolo  
**CONTACT:** PARTHIAN INC

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0096  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 530-724-0108

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 10/01/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 10000  
  
**Installed:** 01/01/96  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** PARTHIAN INC  
**Owner Address:** 5700 STONERIDGE MALL 225 PLEASANTON , CA 94588

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 10/01/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 10000  
  
**Installed:** 01/01/96  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** PARTHIAN INC  
**Owner Address:** 5700 STONERIDGE MALL 225 PLEASANTON , CA 94588

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 10/01/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 15000  
  
**Installed:** 01/01/96  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** PARTHIAN INC  
**Owner Address:** 5700 STONERIDGE MALL 225 PLEASANTON , CA 94588

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 171

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHEVRON-DUNNIGAN  
**ADDRESS:** 4040 COUNTY ROAD 89  
DUNNIGAN CA 95937  
Yolo

**REV:** 04/20/99  
**ID1:** YOLO\_CERT\_000096  
**ID2:**  
**STATUS:** CERTIFICATE NUMBER: 10700  
**PHONE:**

**CONTACT:**

**INFORMATION FROM THE YOLO COUNTY CERTIFIED USTS LIST**

**Certification Number:** 10700

**Notes:**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 170

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BEACON TRUCK STOP 51-6  
**ADDRESS:** 29770 COUNTY ROAD 8  
DUNNIGAN CA 95937  
Yolo  
**CONTACT:** ULTRAMAR INC

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0034  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 530-724-3477

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 04/26/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 10000  
  
**Installed:** 01/01/90  
**Active:** 6  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 6  
**Tank Owner:** ULTRAMAR INC  
**Owner Address:** PO BOX 466 HANFORD , CA 93230

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 04/26/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 10000  
  
**Installed:** 01/01/90  
**Active:** 6  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 6  
**Tank Owner:** ULTRAMAR INC  
**Owner Address:** PO BOX 466 HANFORD , CA 93230

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 04/26/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** DIESEL  
**Capacity:** 20000  
  
**Installed:** 01/01/90  
**Active:** 6  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 6  
**Tank Owner:** ULTRAMAR INC  
**Owner Address:** PO BOX 466 HANFORD , CA 93230

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 04/26/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 170

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BEACON TRUCK STOP 51-6  
**ADDRESS:** 29770 COUNTY ROAD 8  
DUNNIGAN CA 95937  
Yolo  
**CONTACT:** ULTRAMAR INC

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0034  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 530-724-3477

**Last Test:**

**Contents:** DIESEL  
**Capacity:** 20000

**Installed:** 01/01/90

**Active:** 6

**Exempt:** 0

**Inactive:** 0

**Last Tank:** 6

**Tank Owner:** ULTRAMAR INC

**Owner Address:** PO BOX 466 HANFORD , CA 93230

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 04/26/99

**Status:** RENEWAL PERMIT

**Tank Status:** RENEWAL PERMIT

**Last Test:**

**Contents:** DIESEL

**Capacity:** 20000

**Installed:** 01/01/90

**Active:** 6

**Exempt:** 0

**Inactive:** 0

**Last Tank:** 6

**Tank Owner:** ULTRAMAR INC

**Owner Address:** PO BOX 466 HANFORD , CA 93230

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 04/26/99

**Status:** RENEWAL PERMIT

**Tank Status:** RENEWAL PERMIT

**Last Test:**

**Contents:** UNLEADED

**Capacity:** 10000

**Installed:** 01/01/90

**Active:** 6

**Exempt:** 0

**Inactive:** 0

**Last Tank:** 6

**Tank Owner:** ULTRAMAR INC

**Owner Address:** PO BOX 466 HANFORD , CA 93230

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 169

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BEACON TRUCK STOP 51-6  
**ADDRESS:** 29770 COUNTY ROAD 8  
DUNNIGAN CA 95937  
YOLO

**REV:** 04/20/99  
**ID1:** YOLO\_CERT\_000034  
**ID2:**  
**STATUS:** CERTIFICATE NUMBER: 10777  
**PHONE:**

**CONTACT:**

**INFORMATION FROM THE YOLO COUNTY CERTIFIED USTS LIST**

**Certification Number:** 10777

**Notes:** ASSIGNED NEW CERTIFICATE AND DECAL NUMBER

OTHER

**SEARCH ID:** 154

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CALIFORNIA-AMERICAN WATER CO  
**ADDRESS:** 7751 WATT AVE  
NORTH HIGHLANDS CA 95660  
SACRAMENTO

**REV:** 08/22/05  
**ID1:** FA0010480  
**ID2:**  
**STATUS:** NOT REPORTED  
**PHONE:**

**CONTACT:**

**SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:**

Number of Tanks at Site (where applicable):

**SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:**

Number of Tanks at Site (where applicable):

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 153

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** A-1 METALS  
**ADDRESS:** 24TH STREET AND ELKHORN BLVD  
NORTH HIGHLANDS CA 95660  
SACRAMENTO

**REV:** 07/18/05  
**ID1:** CAL34340110  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**GENERAL SITE INFORMATION**

**Site Type:** *Historical*  
**Status:** *Refer: RWQCB*  
**Status Date:** *1994-11-16 00:00:00*  
**NPL Site:** *NO*  
**Funding:**  
**Regulatory Agencies Involved:** *NONE SPECIFIED*  
**Lead Agency:** *NONE SPECIFIED*  
**Project Manager:**  
**Supervisor:** *Referred - Not Assigned*  
**Branch:** *Central California*  
**Acres:**  
**Assessor s Parcel Number:** *NONE SPECIFIED*  
**Past Uses:** *NONE SPECIFIED*  
**Potential Contaminants:** *ACID SOLUTION 2>PH WITH METALS, ALKALINE SOLUTION 2<PH<12.5, WITH METALS, Polychlorinated biphenyls (PCBs)*  
**Confirmed Contaminants:** *NONE SPECIFIED*  
**Potential Media Affected:** *NONE SPECIFIED*  
**Restricted Use:** *NO*  
**Site Management Required:** *NONE SPECIFIED*  
**Special Programs Associated with this Site:**

**OTHER SITE NAMES (blank below = not reported by agency)**

34340110

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Discovery*  
**Completion Date:** *1981-01-09*  
**Comments:** *FACILITY IDENTIFIED CALL RECIEVED*

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 149

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GUINDA  
**ADDRESS:** COUNTY ROAD 57  
GUINDA CA 95695  
YOLO

**REV:** 12/01/03  
**ID1:** SWIS57-CR-0004  
**ID2:**  
**STATUS:** CLEAN CLOSED  
**PHONE:**

**CONTACT:**

**Activity:** *Solid Waste Disposal Site*  
**Accepted Waste:**  
**Operational Status:** *Clean Closed*  
**Regulatory Status:** *Unpermitted*  
**Closure Date:**  
**Closure Type:**  
**Permitted Throughput with Units:** 0  
**Permitted Capacity with Units:** 0  
**Remaining Capacity with Units (landfills only):** 0  
**Permitted Total Acreage:** 0  
**Permitted Disposal Acreage:** 0  
**Last Tire Inspection Count:** 0  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:** 0  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** *None*

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 118                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b>	CITY OF WOODLAND WATER POLLUTION CONTROL FACILITY	<b>REV:</b>	7/10/07
<b>ADDRESS:</b>	42929 COUNTY ROAD 24	<b>ID1:</b>	110000721504
	WOODLAND CA 95776	<b>ID2:</b>	
	YOLO	<b>STATUS:</b>	FRS
<b>CONTACT:</b>		<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	PCS	<b>PROGRAM ID:</b>	CA0077950
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	7/8/1974
<b>AGENCY INT QUAL:</b>	ORIGINAL PERMIT ISSUE DATE	<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NPDES PERMIT
<b>LAST REPORTED:</b>	11/21/1991	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	NPDES MAJOR - A CLEAN WATER ACT (CWA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAJOR DISCHARGER OF POLLUTANTS INTO WATERS OF THE UNITED STATES.		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA635943
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:53:55 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110000721504
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	4/11/2007 1:50:41 PM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	
<b>FEDERAL FACILITY:</b>	NO
<b>FEDERAL AGENCY:</b>	

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 118

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CITY OF WOODLAND WATER POLLUTION CONTROL FACILITY  
**ADDRESS:** 42929 COUNTY ROAD 24  
WOODLAND CA 95776  
YOLO

**REV:** 7/10/07  
**ID1:** 110000721504  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:** 18020109  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

*Environmental FirstSearch*  
*Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 155

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** D04 WATT AV UNDERPASS STORM DRNG PS  
**ADDRESS:** WATT AVE/MADISON AVE  
NORTH HIGHLANDS CA 95660  
SACRAMENTO

**REV:** 08/22/05  
**ID1:** FA0013707  
**ID2:**  
**STATUS:** NOT REPORTED  
**PHONE:**

**CONTACT:**

SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:

Number of Tanks at Site (where applicable):

FED IC / EC

**SEARCH ID:** 184

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** EVERGREEN VACANT PARCEL 2  
**ADDRESS:** EVERGREEN AVENUE  
WEST SACRAMENTO CA 95691

**REV:** 2/8/08  
**ID1:** 69598405-43742  
**ID2:** 69598405  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**

SITE INFORMATION:

**EPA ID:**

**EPA SITE NAME:**

**SITE ALIAS:**

**CONTAMINANTS:**

**TOTAL ACRES:**

**CERCLA WASTELAN:**

**RCRA FACILITY:**

**AIR AFFECTED:**

**GROUNDWATER AFFECTED:**

**SURFACE WATER AFFECTED:**

**NUMBER OF PARCELS:**

**LOCAL PARCEL NUMBER:**

067-120-24

**ADD DATE:**

3/15/2007 2:14:59 PM

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FED IC / EC

**SEARCH ID:** 183

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** EVERGREEN VACANT PARCEL 1  
**ADDRESS:** EVERGREEN AVENUE  
WEST SACRAMENTO CA 95691

**REV:** 2/8/08  
**ID1:** 69598405-43741  
**ID2:** 69598405  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**

**SITE INFORMATION:**

**EPA ID:**  
**EPA SITE NAME:**  
**SITE ALIAS:**  
**CONTAMINANTS:**  
**TOTAL ACRES:**  
**CERCLA WASTELAN:**  
**RCRA FACILITY:**  
**AIR AFFECTED:**  
**GROUNDWATER AFFECTED:**  
**SURFACE WATER AFFECTED:**  
**NUMBER OF PARCELS:**  
**LOCAL PARCEL NUMBER:** 067-100-04  
**ADD DATE:** 3/15/2007 2:10:32 PM

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FED IC / EC

**SEARCH ID:** 182

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** 427 C STREET and 317 5TH STREET  
**ADDRESS:** 427 C STREET and 317 5TH STREET  
WEST SACRAMENTO CA 95691

**REV:** 2/8/08  
**ID1:** 69598405-49781  
**ID2:** 69598405  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**

**SITE INFORMATION:**

**EPA ID:**  
**EPA SITE NAME:**  
**SITE ALIAS:**  
**CONTAMINANTS:**  
**TOTAL ACRES:**  
**CERCLA WASTELAN:**  
**RCRA FACILITY:**  
**AIR AFFECTED:**  
**GROUNDWATER AFFECTED:**  
**SURFACE WATER AFFECTED:**  
**NUMBER OF PARCELS:**  
**LOCAL PARCEL NUMBER:** 010-481-01 and 010-481-02  
**ADD DATE:** 5/14/2007 10:03:43 PM

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 178

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SAC METRO AIRPORT  
**ADDRESS:** EARHART DR  
SACRAMENTO CA 95837  
SACRAMENTO

**REV:** 07/11/02  
**ID1:** 340998  
**ID2:**  
**STATUS:** LEAK BEING CONFIRMED  
**PHONE:**

**CONTACT:**

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** LOCAL AGENCY  
**REGIONAL BOARD:** CENTRAL VALLEY REGION  
**LOCAL CASE NUMBER:**  
**RESPONSIBLE PARTY:** PARADISO MECHANICAL, INC  
**ADDRESS OF RESPONSIBLE PARTY:** PO BOX 1836, SAN LEANDRO, CA 94577  
**SITE OPERATOR:**  
**WATER SYSTEM:** SACRAMENTO METRO AIRPORT

**CASE NUMBER:** 340998  
**CASE TYPE:** SOIL ONLY  
**SUBSTANCE LEAKED:** DIESEL  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:** UNKNOWN  
**LEAK SOURCE:** UNKNOWN  
**HOW LEAK WAS DISCOVERED:** TANK CLOSURE  
**DATE DISCOVERED (blank if not reported):** 4/14/94  
**HOW LEAK WAS STOPPED:** CLOSE TANK  
**STOP DATE (blank if not reported):**  
**STATUS:** LEAK BEING CONFIRMED  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** NONE TAKEN  
**DATE OF ENFORCEMENT (blank if not reported):** 1/1/65

**ENTER DATE (blank if not reported):** 2/2/95  
**REVIEW DATE (blank if not reported):** 2/2/95  
**DATE OF LEAK CONFIRMATION (blank if not reported):** 4/14/94  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 2/2/95

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION:**  
**MTBE SOIL CONCENTRATION:**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 0  
**MTBE TESTED:** NOT REQUIRED TO BE TESTED  
**MTBE CLASS:** \*

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 177

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FORMER SPRECKELS SUGAR PLANT

**REV:** 01/12/06

**ADDRESS:** 40600 COUNTRY ROAD 18C

**ID1:** T0611345442

WOODLAND CA 95695

**ID2:**

YOLO

**STATUS:** POLLUTION CHARACTERIZATION

**CONTACT:**

**PHONE:**

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** REGIONAL BOARD

**REGIONAL BOARD:** 5S

**LOCAL CASE NUMBER:**

**RESPONSIBLE PARTY:** JACK KLEIN

**ADDRESS OF RESPONSIBLE PARTY:** 200 CYPRESS DRIVE

**SITE OPERATOR:**

**WATER SYSTEM:**

**CASE NUMBER:** 570315

**CASE TYPE:** OTHER

**SUBSTANCE LEAKED:** GASOLINE

**SUBSTANCE QUANTITY:**

**LEAK CAUSE:** UNKNOWN

**LEAK SOURCE:** UNKNOWN

**HOW LEAK WAS DISCOVERED:** OM,

**DATE DISCOVERED (blank if not reported):** 2002-06-18

**HOW LEAK WAS STOPPED:**

**STOP DATE (blank if not reported):**

**STATUS:** POLLUTION CHARACTERIZATION

**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**

**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** SEL

**DATE OF ENFORCEMENT (blank if not reported):**

**ENTER DATE (blank if not reported):**

**REVIEW DATE (blank if not reported):**

**DATE OF LEAK CONFIRMATION (blank if not reported):**

**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**

**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**

**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):** 2005-09-05

**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**

**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**

**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**

**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**

**REPORT DATE (blank if not reported):** 2002-09-23

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE (Date of historical maximum MTBE concentration):**

**MTBE GROUNDWATER CONCENTRATION (parts per billion):**

**MTBE SOIL CONCENTRATION (parts per million):**

**MTBE CNTS:** 0

**MTBE FUEL:** 1

**MTBE TESTED:** SITE NOT TESTED FOR MTBE. INCLUDES UNKNOWN AND NOT ANALYZED

**MTBE CLASS:** \*

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## LUST

**SEARCH ID:** 176

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHEVRON 9-2597  
**ADDRESS:** I-5 and CO RD 102  
WOODLAND CA 95695  
YOLO

**REV:** 01/12/06  
**ID1:** T0611300029  
**ID2:**  
**STATUS:** POLLUTION CHARACTERIZATION  
**PHONE:**

**CONTACT:**

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** REGIONAL BOARD  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:**  
**RESPONSIBLE PARTY:** CHEVRON  
**ADDRESS OF RESPONSIBLE PARTY:** 2410 CAMINO RAMON, SAN RAMON, CA 94583  
**SITE OPERATOR:**  
**WATER SYSTEM:**

**CASE NUMBER:** 570044  
**CASE TYPE:** AQUIFER AFFECTED  
**SUBSTANCE LEAKED:** GASOLINE  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:**  
**LEAK SOURCE:**  
**HOW LEAK WAS DISCOVERED:**  
**DATE DISCOVERED (blank if not reported):**  
**HOW LEAK WAS STOPPED:**  
**STOP DATE (blank if not reported):**  
**STATUS:** POLLUTION CHARACTERIZATION  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** TC  
**DATE OF ENFORCEMENT (blank if not reported):** 2001-05-18

**ENTER DATE (blank if not reported):** 1990-01-12  
**REVIEW DATE (blank if not reported):** 2001-11-16  
**DATE OF LEAK CONFIRMATION (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):** 2006-08-25  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 1989-04-04

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):** 1999-07-08  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):** EQUAL TO 8350.00  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 11  
**MTBE FUEL:** 1  
**MTBE TESTED:** YES  
**MTBE CLASS:** A

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 181

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CONOCOPHILLIPS-76 STATION (FORMER BP 11252)  
**ADDRESS:** 28700 COUNTY ROAD 6  
DUNNIGAN CA 95937  
YOLO

**REV:** 03/29/06  
**ID1:** T0611314479  
**ID2:**  
**STATUS:** POLLUTION CHARACTERIZATION  
**PHONE:**

**CONTACT:**

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** REGIONAL BOARD  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:**  
**RESPONSIBLE PARTY:** SHELBY LATHROP  
**ADDRESS OF RESPONSIBLE PARTY:** 76 BROADWAY  
**SITE OPERATOR:**  
**WATER SYSTEM:**

**CASE NUMBER:** 570333  
**CASE TYPE:** OTHER  
**SUBSTANCE LEAKED:** 8006619,MTBE  
**SUBSTANCE QUANTITY:**

**LEAK CAUSE:**  
**LEAK SOURCE:**  
**HOW LEAK WAS DISCOVERED:**  
**DATE DISCOVERED (blank if not reported):** 2004-12-07  
**HOW LEAK WAS STOPPED:**

**STOP DATE (blank if not reported):**  
**STATUS:** POLLUTION CHARACTERIZATION  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** VC  
**DATE OF ENFORCEMENT (blank if not reported):**

**ENTER DATE (blank if not reported):**  
**REVIEW DATE (blank if not reported):**  
**DATE OF LEAK CONFIRMATION (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):** 2006-08-31  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):**  
**REPORT DATE (blank if not reported):** 2006-03-08

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):**  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 0  
**MTBE TESTED:** YES  
**MTBE CLASS:** \*



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 180

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHEVRON 9-2466 (FORMER)

**REV:** 01/12/06

**ADDRESS:** I-5 and CO RD 6  
DUNNIGAN CA 95937  
YOLO

**ID1:** T0611300188

**ID2:**

**STATUS:** CASE CLOSED

**CONTACT:**

**PHONE:**

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

**LEAD AGENCY:** LOCAL AGENCY

**REGIONAL BOARD:** 5S

**LOCAL CASE NUMBER:**

**RESPONSIBLE PARTY:** CHEVRON

**ADDRESS OF RESPONSIBLE PARTY:** 2410 CAMINO RAMON,SAN RAMON, CA 94583

**SITE OPERATOR:**

**WATER SYSTEM:**

**CASE NUMBER:** 570241

**CASE TYPE:** SOIL ONLY

**SUBSTANCE LEAKED:** GASOLINE

**SUBSTANCE QUANTITY:**

**LEAK CAUSE:** CORROSION

**LEAK SOURCE:** TANK

**HOW LEAK WAS DISCOVERED:** TANK CLOSURE

**DATE DISCOVERED (blank if not reported):** 1994-07-12

**HOW LEAK WAS STOPPED:**

**STOP DATE (blank if not reported):** 1994-07-12

**STATUS:** CASE CLOSED

**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**

**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** NONE TAKEN

**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1994-09-26

**REVIEW DATE (blank if not reported):** 1996-04-03

**DATE OF LEAK CONFIRMATION (blank if not reported):** 1994-07-12

**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):**

**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**

**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**

**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**

**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**

**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**

**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):** 1995-10-11

**REPORT DATE (blank if not reported):** 1994-09-15

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE(Date of historical maximum MTBE concentration):**

**MTBE GROUNDWATER CONCENTRATION (parts per billion):**

**MTBE SOIL CONCENTRATION (parts per million):**

**MTBE CNTS:** 0

**MTBE FUEL:** 1

**MTBE TESTED:** SITE NOT TESTED FOR MTBE. INCLUDES UNKNOWN AND NOT ANALYZED

**MTBE CLASS:** \*

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

LUST

**SEARCH ID:** 179                              **DIST/DIR:** NON GC                              **MAP ID:**

<b>NAME:</b> BP 11252	<b>REV:</b> 01/12/06
<b>ADDRESS:</b> I-5 and CO RD 6 NW DUNNIGAN CA 95937 YOLO	<b>ID1:</b> T0611300116 <b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> CASE CLOSED <b>PHONE:</b>

**RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

*Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.*

**LEAD AGENCY:** REGIONAL BOARD  
**REGIONAL BOARD:** 5S  
**LOCAL CASE NUMBER:**  
**RESPONSIBLE PARTY:** BP  
**ADDRESS OF RESPONSIBLE PARTY:** 2868 PROSPECT PARK DR, 360, RANCHO CORDOVA, CA 95670  
**SITE OPERATOR:** BP OIL CO.  
**WATER SYSTEM:**

**CASE NUMBER:** 570156  
**CASE TYPE:** SOIL ONLY  
**SUBSTANCE LEAKED:** WASTE OIL  
**SUBSTANCE QUANTITY:**  
**LEAK CAUSE:** UNKNOWN  
**LEAK SOURCE:** UNKNOWN  
**HOW LEAK WAS DISCOVERED:** TANK CLOSURE  
**DATE DISCOVERED (blank if not reported):** 1990-04-06  
**HOW LEAK WAS STOPPED:**  
**STOP DATE (blank if not reported):** 1990-04-06  
**STATUS:** CASE CLOSED  
**ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):**  
**ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):** NONE TAKEN  
**DATE OF ENFORCEMENT (blank if not reported):** 1965-01-01

**ENTER DATE (blank if not reported):** 1991-03-29  
**REVIEW DATE (blank if not reported):** 1997-05-01  
**DATE OF LEAK CONFIRMATION (blank if not reported):**  
**DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):** 1990-04-06  
**DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported):**  
**DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):**  
**DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):**  
**DATE REMEDIAL ACTION UNDERWAY (blank if not reported):**  
**DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):**  
**DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):** 1997-04-23  
**REPORT DATE (blank if not reported):** 1991-03-11

**MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE**

**MTBE DATE (Date of historical maximum MTBE concentration):**  
**MTBE GROUNDWATER CONCENTRATION (parts per billion):**  
**MTBE SOIL CONCENTRATION (parts per million):**  
**MTBE CNTS:** 0  
**MTBE FUEL:** 0  
**MTBE TESTED:** NOT REQUIRED TO BE TESTED  
**MTBE CLASS:** \*

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 133

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** A-1 METALS  
**ADDRESS:** 24TH STREET AND ELKHORN BLVD  
NORTH HIGHLANDS CA 95660  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34340110  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

A-1 METALS

**GENERAL SITE INFORMATION**

File Name (if different than site name):

**Status:** PROPERTY/SITE REFERRED TO RWQCB (REFRW)  
**AWP Site Type:** N/A  
**NPL Site:**  
**Fund:**  
**Status Date:** 11161994  
**Lead:**  
**Staff:**  
**Senior Supervisor:**

**DTSC Region and RWQCB :** 1 / SACRAMENTO  
**Branch:** CENTRAL CALIFORNIA  
**RWQCB:** CENTRAL VALLEY

**Site Access:**  
**On Cortese List:**  
**Groundwater Contamination:**  
**Haz Ranking Score:**  
**Haz Ranking Score:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** DISCOVERY (DISC)  
**Activity Status:** PROPERTY/SITE REFERRED TO RWQCB  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 01091981  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

DATE	COMMENT
01091981	FACILITY IDENTIFIED CALL RECIEVED
<b>DATE</b>	<b>COMMENT</b>
05041981	SAMPLE RESULTS BY HMMS/ENF.
<b>DATE</b>	<b>COMMENT</b>
05071981	SAMPLE RESULTS BY MCCLELLAN AFB
<b>DATE</b>	<b>COMMENT</b>
05071981	BY HMMS/ENF.
<b>DATE</b>	<b>COMMENT</b>

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 133

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** A-1 METALS  
**ADDRESS:** 24TH STREET AND ELKHORN BLVD  
NORTH HIGHLANDS CA 95660  
SACRAMENTO

**REV:** 07/03/00  
**ID1:** CAL34340110  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

08171981      *SAMPLE RESULTS BY HMMS/ENF.*

**DATE**                      **COMMENT**  
08311981      *ENFORCEMENT ACTION CLEAN-UP BEGUN*

**DATE**                      **COMMENT**  
09021981      *SAMPLE RESULTS BY RWQCB AFTER INITIAL CLEAN-UP*

**DATE**                      **COMMENT**  
09081981      *SAMPLE RESULTS BY RWQCB AFTER MORE CLEAN-UP*

**DATE**                      **COMMENT**  
09141981      *SAMPLE RESULTS BY RWQCB AFTER MORE CLEAN-UP*

**DATE**                      **COMMENT**  
09171981      *SAMPLE RESULTS BY RWQCB AFTER MORE CLEAN-UP*

**DATE**                      **COMMENT**  
10011981      *RATIONALE FOR NFA CLEAN-UP COMPLETE*

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 156

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NORTH HIGHLANDS AIR NATIONAL GUARD  
**ADDRESS:** 8 ACRES;6 MI NORTHEAST OF SACRAMENTO, CA  
 SACRAMENTO CA 95660  
 SACRAMENTO  
**CONTACT:**

**REV:** 07/18/05  
**ID1:** CAL34480006  
**ID2:**  
**STATUS:** DELISTED  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

*NORTH HIGHLANDS ANG*

*NORTH HIGHLANDS AIR NATIONAL GUARD*

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** *NORTH HIGHLANDS ANG*

**Status:** *DELISTED*

**AWP Site Type:** *OPEN MILITARY BASE*

**NPL Site:** *N*

**Fund:**

**Status Date:** *09051995*

**Lead:** *DEPT OF TOXIC SUBSTANCES CONTROL*

**Staff:**

**DTSC Region and RWQCB :** *SACRAMENTO*

**Branch:** *OMF-NORTHERN CALIF*

**RWQCB:**

**Site Access:**

**On Cortese List:**

**Groundwater Contamination:** *N*

**Haz Ranking Score:**

**Haz Ranking Score:**

**Number of Sources Contributing to Contamination at the Site:** *3*

**BACKGROUND INFORMATION (blank below = not reported by agency)**

*The North Highlands Air National Guard (NHANG) Station began operation in 1950. NHANG installs, operates and maintains mobile communication equipment. From the early 1960s thru 1979, vehicles and equipment were washed down in an open lot on the southwest side of the facility. In 1980, an oil/water separator was installed which is connected to the sanitary sewer. Maintenance operations required the use of lubricants, fuels, solvents, thinner and paint. Waste was usually disposed by a contractor or to DRMO at McClellan AFB. Small spills may have occurred. No orders have ever been issued to the facility.*

**INFORMATION ON SPECIAL PROGRAMS THE SITE IS ASSOCIATED WITH (blank below = not reported by agency)**

*DEFENSE MEMORANDUM OF AGREEMENT*

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** *PRELIMINARY ENDANGERMENT ASSESSMENT*

**Activity Status:** *DELISTED*

**Completion Due Date:** *01191996*

**Revised Completion Due Date:**

**Date Activity Actually Completed:** *01191996*

**Yards of Solids Removed:**

**Yards of Solids Treated:**

**Gallons of Liquid Removed:**

**Gallons of Liquid Treated:**

**Activity:** *DELISTED*

**Activity Status:** *DELISTED*

**- Continued on next page -**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### OTHER

**SEARCH ID:** 156

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NORTH HIGHLANDS AIR NATIONAL GUARD  
**ADDRESS:** 8 ACRES;6 MI NORTHEAST OF SACRAMENTO, CA  
 SACRAMENTO CA 95660  
 SACRAMENTO

**REV:** 07/18/05  
**ID1:** CAL34480006  
**ID2:**  
**STATUS:** DELISTED  
**PHONE:**

**CONTACT:**

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 01191996

**Yards of Solids Removed:**

**Yards of Solids Treated:**

**Gallons of Liquid Removed:**

**Gallons of Liquid Treated:**

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:**

: PEA 01-19-1996 The final Preliminary Assessment/Site Inspection (PA/SI) for the North Highland Air National Guard Station (NHANG) was submitted to DTSC for review in October of 1995. DTSC and the Central Valley Regional Water Quality Control Board (RWQCB) reviewed and approved the final PA/SI Report on January 19, 1995. The PA/SI report provided assessments for two areas at NHANG. The two areas were former truck and equipment wash down areas. Soil and soil gas samples were collected and analyzed for volatiles, semi-volatiles, inorganics and petroleum compounds. Volume Treated, Stabilized, or Disposed: N/A. Approximate cost and funding source: The cost of the PA/SI and actions was approximately \$1 00,000. The project was DERA funded. DELIST - The Department has determined, based upon a remedial investigation or site characterization that the site poses no significant threat to public health, welfare or the environment and therefore, implementation of removal/remedial measures is not necessary. PA 01/31/91 Jan 1991 preliminary Assessment reviewed by RWQCB. Site Investigative report reviewed by both DTSC and RWQCB, final submitted to DTSC September 8, 1995

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 146

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WOODCREEK WEST ELEMENTARY SCHOOL  
**ADDRESS:** PARCEL 70/WOODCREEK WEST DEVELOPMENT  
 ROSEVILLE CA 95747  
 PLACER  
**CONTACT:**

**REV:** 07/18/05  
**ID1:** CAL31010004  
**ID2:**  
**STATUS:** NO FURTHER ACTION FOR DTSC  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

WOODCREEK WEST ELEMENTARY SCHOOL

DRY CREEK SD

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** WOODCREEK WEST ELEMENTARY SCHOOL

**Status:** NO FURTHER ACTION FOR DTSC  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY

**NPL Site:**

**Fund:**

**Status Date:** 03172000

**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL

**Staff:** ECARGILE

**DTSC Region and RWQCB :** SACRAMENTO

**Branch:** SCHOOL EVALUATION

**RWQCB:**

**Site Access:**

**Groundwater Contamination:**

**Number of Sources Contributing to Contamination at the Site:** 0

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 101237-11 CDE

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104022-11 VCA

**BACKGROUND INFORMATION (blank below = not reported by agency)**

*This 10-acre site is located on the future Wookcreek West parcel 70 and 71 in Roseville, Ca., and is owned by Sares Regis Group. The Site has remained undeveloped since at least 1952. It was historically utilized for dry land grazing and the production of wheat and oats.*

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE 1 - CALMORTGAGE AND SCHOOL SITE PROPERTIES

**Activity Status:** NO FURTHER ACTION FOR DTSC

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 11241999

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**Activity:** I/SE, IORSE, FFA, FFSRA, VCA, EA

**Activity Status:** NO FURTHER ACTION FOR DTSC

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 01202000

**Yards of Solids Removed:** 0

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 146

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WOODCREEK WEST ELEMENTARY SCHOOL  
**ADDRESS:** PARCEL 70/WOODCREEK WEST DEVELOPMENT  
 ROSEVILLE CA 95747  
 PLACER

**REV:** 07/18/05  
**ID1:** CAL31010004  
**ID2:**  
**STATUS:** NO FURTHER ACTION FOR DTSC  
**PHONE:**

**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:** *PRELIMINARY ENDANGERMENT ASSESSMENT*  
**Activity Status:** *NO FURTHER ACTION FOR DTSC*

**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 03172000  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 01202000

: *ORDER/VCP - Voluntary Cleanup Agreement executed with the school district for performance of a Preliminary Endangerment Assessment PEA - Preliminary Endangerment Assessment completed, school site approved. PHSEI - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase I Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the Dry Creek Joint Elementary School District.*



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 152

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** VALLEY BY-PRODUCTS/WOOD and YARD OPERATION  
**ADDRESS:** 44090 COUNTY ROAD 28H  
YOLO CA 95776  
**CONTACT:** YOLO

**REV:** 11/12/98  
**ID1:** SWIS57-AA-0023  
**ID2:**  
**STATUS:** CLOSED  
**PHONE:**

**Activity:** *Composting Facility (Green Waste)*  
**Accepted Waste:** *Green Materials, Wood waste*  
**Operational Status:** *Closed*  
**Regulatory Status:** *Permitted*  
**Closure Date:**  
**Closure Type:**  
**Permitted Throughput with Units:** *500 Tons/day*  
**Permitted Capacity with Units:** *50000 Cubic Yards*  
**Remaining Capacity with Units (landfills only):**  
**Permitted Total Acreage:** *15*  
**Permitted Disposal Acreage:**  
**Last Tire Inspection Count:** *0*  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:** *0*  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** *None*

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

---

<b>SEARCH ID:</b> 151	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

---

<b>NAME:</b> VALLEY BY-PRODUCTS/BIOSOLIDS RES PROJ	<b>REV:</b> 11/12/98
<b>ADDRESS:</b> 44090 COUNTY ROAD 28H	<b>ID1:</b> SWIS57-AA-0028
YOLO CA 95776	<b>ID2:</b>
YOLO	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>

---

**Activity:** *Composting Facility (Sludge)*

**Accepted Waste:**

**Operational Status:** *Closed*

**Regulatory Status:** *Notification*

**Closure Date:**

**Closure Type:**

**Permitted Throughput with Units:** 0

**Permitted Capacity with Units:** 0

**Remaining Capacity with Units (landfills only):**

**Permitted Total Acreage:** 0

**Permitted Disposal Acreage:**

**Last Tire Inspection Count:** 0

**Last Tire Inspection Count Date:**

**Original Tire Inspection Count:** 0

**Last Tire Inspection Count Date:**

**Inspection Frequency:** *None*

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 150

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** REIFF FARMS  
**ADDRESS:** COUNTY ROAD 19  
WOODLAND CA 95695  
YOLO

**REV:** 01/12/98  
**ID1:** SWIS57-CR-0007  
**ID2:**  
**STATUS:** TO BE DETERMINED  
**PHONE:**

**CONTACT:**

**Activity:** *Solid Waste Disposal Site*  
**Accepted Waste:**  
**Operational Status:** *To Be Determined*  
**Regulatory Status:** *Unpermitted*  
**Closure Date:**  
**Closure Type:**  
**Permitted Throughput with Units:** 0  
**Permitted Capacity with Units:** 0  
**Remaining Capacity with Units (landfills only):** 0  
**Permitted Total Acreage:** 0  
**Permitted Disposal Acreage:** 0  
**Last Tire Inspection Count:** 0  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:** 0  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** *None*

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 142

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** NEW ELEMENTARY SCHOOL  
**ADDRESS:** PRE ROAD/WALERGA ROAD  
ROSEVILLE CA 95747  
PLACER

**REV:** 07/18/05  
**ID1:** CAL31020013  
**ID2:**  
**STATUS:** PRELIMINARY ENDANGERMENT ASSES  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

NEW ELEMENTARY SCHOOL

**GENERAL SITE INFORMATION**

**File Name (if different than site name):**

**Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY  
**NPL Site:** U  
**Fund:**  
**Status Date:** 06102004  
**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL  
**Staff:** KSIGLOWI  
**DTSC Region and RWQCB :** SACRAMENTO  
**Branch:** SCHOOL EVALUATION  
**RWQCB:**  
**Site Access:**  
**Groundwater Contamination:**  
**Number of Sources Contributing to Contamination at the Site:**

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104413-11

**BACKGROUND INFORMATION (blank below = not reported by agency)**

The property supports a rural residence within a former small farm site and fallow land. The surface of the subject property displays a slightly rolling topography and the majority of its surface is covered with a light to moderate growth of both dried grasses, weeds, and other vegetation up to approximately three-feet high. Higher elevation areas occur on the northerly portion of the property, and the property surface overall slopes gently downward to the southwest. Firebreaks have been mowed along the east side and south side near the on-site buildings cluster. Barbed-wire fences bisect the property and define the north property boundary along PFE Road. Historically aerial photographs and personal interviews with the long-term owner revealed that the property was utilized for irrigated pasture and fallow land for at least the past seven decades

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE 1 - CALMORTGAGE AND SCHOOL SITE PROPERTIES  
**Activity Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 06102004  
**Yards of Solids Removed:**  
**Yards of Solids Treated:**  
**Gallons of Liquid Removed:**  
**Gallons of Liquid Treated:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 141

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MIDDLE SCHOOL (W-73)  
**ADDRESS:** FIDDYMENT ROAD/DEL WEBB BOULEVARD  
ROSEVILLE CA 95747  
PLACER  
**CONTACT:**

**REV:** 07/18/05  
**ID1:** CAL31020012  
**ID2:**  
**STATUS:** NO FURTHER ACTION FOR DTSC  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

MIDDLE SCHOOL (W-73)

**GENERAL SITE INFORMATION**

**File Name (if different than site name):**

**Status:** NO FURTHER ACTION FOR DTSC  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY  
**NPL Site:** U  
**Fund:**  
**Status Date:** 06152004  
**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL  
**Staff:** JSOTELO  
**DTSC Region and RWQCB :** SACRAMENTO  
**Branch:** SCHOOL EVALUATION  
**RWQCB:**  
**Site Access:**  
**Groundwater Contamination:**  
**Number of Sources Contributing to Contamination at the Site:**

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104408-11

**BACKGROUND INFORMATION (blank below = not reported by agency)**

The site is located within the 1,483.6-acre Westpark Property. The Westpark Property was predominantly used for seasonal livestock grazing. In the past, portions of the site have been used for grazing, limited dry farming, and poultry operations.

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE I - CALMORTGAGE AND SCHOOL SITE PROPERTIES  
**Activity Status:** NO FURTHER ACTION FOR DTSC  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 06152004  
**Yards of Solids Removed:**  
**Yards of Solids Treated:**  
**Gallons of Liquid Removed:**  
**Gallons of Liquid Treated:**

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 06152004

: DTSC reviewed a Phase I Environmental Assessment and has made a No Action determination for this Site.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 140

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** ELEMENTARY SCHOOL F-70  
**ADDRESS:** FIDDYMENT ROAD/BLUE OAKS BOULEVARD  
ROSEVILLE CA 95747  
PLACER  
**CONTACT:**

**REV:** 07/18/05  
**ID1:** CAL31020009  
**ID2:**  
**STATUS:** NO ACTION - FOR CALMORTGAGE  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

ELEMENTARY SCHOOL F-70

**GENERAL SITE INFORMATION**

File Name (if different than site name):

**Status:** NO ACTION - FOR CALMORTGAGE ONLY  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY  
**NPL Site:**  
**Fund:**  
**Status Date:** 05242004  
**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL  
**Staff:** JSOTELO  
**DTSC Region and RWQCB :** SACRAMENTO  
**Branch:** SCHOOL EVALUATION  
**RWQCB:**  
**Site Access:**  
**Groundwater Contamination:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104406-11

**BACKGROUND INFORMATION (blank below = not reported by agency)**

The site consists of an 8.1-acre portion of a larger parcel. The Fiddyment Ranch was predominantly used for seasonal live- stock grazing. In the past, portions of the site have been used for grazing, limited dry farming, and poultry operations. Surrounding land use was generally vacant cattle grazing land with some residential structures under construction east of the site.

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE I - CALMORTGAGE AND SCHOOL SITE PROPERTIES  
**Activity Status:** NO ACTION - FOR CALMORTGAGE ONLY  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 05242004  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 05242004  
:  
No Chemicals of Concern recorded at this time.

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 139

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** ELEMENTARY SCHOOL (W-75)  
**ADDRESS:** FIDDYMENT ROAD/DEL WEBB BOULEVARD  
 ROSEVILLE CA 95747  
 PLACER

**REV:** 07/18/05  
**ID1:** CAL31020010  
**ID2:**  
**STATUS:** NO ACTION - FOR CALMORTGAGE  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

ELEMENTARY SCHOOL (W-75)

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** ELEMENTARY SCHOOL (W-75)  
**Status:** NO ACTION - FOR CALMORTGAGE ONLY  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY  
**NPL Site:**  
**Fund:**  
**Status Date:** 05242004  
**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL  
**Staff:** JSOTELO  
**DTSC Region and RWQCB :** SACRAMENTO  
**Branch:** SCHOOL EVALUATION  
**RWQCB:**  
**Site Access:**  
**Groundwater Contamination:**  
**Number of Sources Contributing to Contamination at the Site:** 0

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104407-11

**BACKGROUND INFORMATION (blank below = not reported by agency)**

The site is located within the 1,483.6-acre Westpark Property. The Westpark Property was predominantly used for seasonal livestock grazing. In the past, portions of the site have been used for grazing, limited dry farming, and poultry operations.

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE I - CALMORTGAGE AND SCHOOL SITE PROPERTIES  
**Activity Status:** NO ACTION - FOR CALMORTGAGE ONLY  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 05242004  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 05242004  
 : No chemicals of concern recorded at this time.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 138

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SPRECKELS SUGAR COMPANY  
**ADDRESS:** COUNTY ROAD 18C  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 04/30/03  
**ID1:** CAL57200003  
**ID2:**  
**STATUS:** PRELIMINARY ENDANGERMENT ASSES  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

SPRECKELS SUGAR COMPANY

AMSTAR CORP SPRECKELS SUGAR DIVISION F-3

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** AMSTAR CORP

**Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED

**AWP Site Type:** N/A

**NPL Site:**

**Fund:**

**Status Date:** 06271995

**Lead:** N/A

**Staff:**

**DTSC Region and RWQCB :** SACRAMENTO

**Branch:** CENTRAL CALIFORNIA

**RWQCB:**

**Site Access:**

**Groundwater Contamination:**

**Number of Sources Contributing to Contamination at the Site:** 0

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** EPA IDENTIFICATION NUMBER CAT000624767

**BACKGROUND INFORMATION (blank below = not reported by agency)**

**INFORMATION ON SPECIAL PROGRAMS THE SITE IS ASSOCIATED WITH (blank below = not reported by agency)**

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** DISCOVERY  
**Activity Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 10111983

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**Activity:**  
**Activity Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 07011984

- Continued on next page -



## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 138

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SPRECKELS SUGAR COMPANY  
**ADDRESS:** COUNTY ROAD 18C  
WOODLAND CA 95695  
YOLO

**REV:** 04/30/03  
**ID1:** CAL57200003  
**ID2:**  
**STATUS:** PRELIMINARY ENDANGERMENT ASSES  
**PHONE:**

**CONTACT:**

**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:**  
**Activity Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 06021988  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**Activity:**  
**Activity Status:** PRELIMINARY ENDANGERMENT ASSESSMENT REQUIRED  
**Completion Due Date:**  
**Revised Completion Due Date:**  
**Date Activity Actually Completed:** 12211990  
**Yards of Solids Removed:** 0  
**Yards of Solids Treated:** 0  
**Gallons of Liquid Removed:** 0  
**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 01011988

: ON CORTESE LIST The RWQCB regulates the wastewater ponds with monitoring wells. There may be fuel tanks onsite. The county gets involved with the tanks. PHONE FOLLOW-UP QUESTIONNAIRE SENT: REMAILED PERMIT APPLICATION RECEIVED. STATE INTERIM STATUS PERMIT. QUESTIONNAIRE RECEIVED FINAL STRATEGY COPY OF QUESTIONNAIRE SENT TO HMMS/ENF FACILITY DRIVE-BY DRIVE BY-PONDS and SOLIDS DISPOSED ON SITE INSPECTION(STATE) INSPECTION BY HMMS/ENFORCEMENT and ABANDONED SITE PROGRAM. FOLLOW UP INSPECTION. PCB STORAGE and SETTLING POND. SITE REFERRED: TO HMMS-ENFORCEMENT. SITE SCREENING DONE. EPA RECOMMENDS A MEDIUM PRIORITY SI, DHS CONCURS. 2 SETTLING PONDS, 2 HOLDING PONDS. WASTE: LEAD ACETATE 200 LBS ASBESTOS. PRIOR TO EARLY 1970S LEAD ACETATE, ASBESTOS and REFUSE WERE DISPOSED IN ON SITE LANDFILL. LANDFILL MATERIALS WERE ROUTINELY BURNED. THEY ARE CURRENTLY DRUMMED AND TRANSPORTED BY HAULER OFFSITE. PCB USED TO BE STORED ON SITE. PROCESS SUGAR BEETS TO MAKE SUGAR. YEARS OF OPERATION 1937 TO PRESENT. SUBMIT TO EPA. PRELIMINARY ASSESSMENT DONE. RCRA 3012. QUESTIONNAIRE SENT INSPECTION(STATE) DHS-TSCD. INTERIM STATUS DOCUMENT INSPECTION PER COMPANY REQUEST. INTERIM STATUS RESCINDED. EPA COMPLETED SCREENING SITE INSPECTION AND RECOMMEND NO FURTHER ACTION. ENFORCEMENT ACTION DHS/TSCD. RECINDED INTERIM STATUS PER AMSTAR CORPORATION REQUEST. REPORTED FOR PROP65 FACILITY IDENTIFIED FROM ERRIS. INSPECTION(STATE) DHS-TSCD. INTERIM STATUS DOCUMENT INSPECTION. STORAGE VIOLATIONS. ENFORCEMENT ACTION DHS/TSCD. ISSUED ISD CAD009133281 SITE SCREENING DONE. NO APPARENT INTERIM RESPONSE MEASURES NEEDS. RECOMMEND MEDIUM PRIORITY PRELIMINARY ENDANGERMENT ASSESSMENT.

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 137

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GENERAL CARTAGE

**REV:** 07/03/00

**ADDRESS:** COUNTY ROAD 103 AND COUNTY ROAD 27

**ID1:** CAL57420004

WOODLAND CA 95695

**ID2:**

YOLO

**STATUS:** PROPERTY/SITE REFERRED TO RWQC

**CONTACT:**

**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

GENERAL CARTAGE

**GENERAL SITE INFORMATION**

**File Name (if different than site name):**

**Status:** PROPERTY/SITE REFERRED TO RWQCB (REFRW)

**AWP Site Type:** N/A

**NPL Site:**

**Fund:**

**Status Date:** 01291987

**Lead:**

**Staff:**

**Senior Supervisor:**

**DTSC Region and RWQCB :** 1 / SACRAMENTO

**Branch:** CENTRAL CALIFORNIA

**RWQCB:**

**Site Access:**

**On Cortese List:**

**Groundwater Contamination:**

**Haz Ranking Score:**

**Haz Ranking Score:**

**Number of Sources Contributing to Contamination at the Site:** 0

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** DISCOVERY (DISC)

**Activity Status:** PROPERTY/SITE REFERRED TO RWQCB

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 03261982

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**Activity:** (SS)

**Activity Status:** PROPERTY/SITE REFERRED TO RWQCB

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 01291987

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

DATE	COMMENT
------	---------

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 137

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GENERAL CARTAGE  
**ADDRESS:** COUNTY ROAD 103 AND COUNTY ROAD 27  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 07/03/00  
**ID1:** CAL57420004  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO RWQC  
**PHONE:**

03261982      *FACILITY IDENTIFIED OBSERVED ON DRIVE BYS - ACTIVE SITE*

<b>DATE</b>	<b>COMMENT</b>
03261982	<i>FACILITY DRIVE-BY PETROLEUM DISCHARGED TO STREET DRAIN</i>

<b>DATE</b>	<b>COMMENT</b>
03261982	<i>FINAL STRATEGY    SITE REFERRRED: TO CO. HEALTH and RWQCB</i>

<b>DATE</b>	<b>COMMENT</b>
01291987	<i>SITE SCREENING DONE NO DHS FILE FOUND</i>

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

---

<b>SEARCH ID:</b> 157	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

---

<b>NAME:</b> ROY S WELDING	<b>REV:</b> 08/22/05
<b>ADDRESS:</b> 7411 WATT AVE A	<b>ID1:</b> FA0013096
NORTH HIGHLANDS CA 95660	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> NOT REPORTED
<b>CONTACT:</b>	<b>PHONE:</b>

---

**SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:**

**Number of Tanks at Site (where applicable):**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

ERNS

**SEARCH ID:** 91

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** UNKNOWN  
**ADDRESS:** ELVERTA RD BET EL CENTRO and EAST LEVEE RD  
SACRAMENTO CA 95836  
SACRAMENTO  
**CONTACT:**

**REV:** 5/5/91  
**ID1:** 217784  
**ID2:**  
**STATUS:** UNKNOWN (NRC)  
**PHONE:**

**SPILL INFORMATION**

**DATE OF SPILL:** 5/5/1991      **TIME OF SPILL:** 0700

**PRODUCT RELEASED (1):** DRUG LAB WASTE  
**QUANTITY (1):** 5  
**UNITS (1):** GAL

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b>	NO	<b>GROUNDWATER:</b>	NO
<b>LAND:</b>	YES	<b>FIXED FACILITY:</b>	NO
<b>WATER:</b>	NO	<b>OTHER:</b>	NO
<b>WATERBODY AFFECTED BY RELEASE:</b>			NONE

**SPILL INFORMATION**

**DATE OF SPILL:** 5/5/1991      **TIME OF SPILL:** 0700

**PRODUCT RELEASED (1):** DRUG LAB WASTE  
**QUANTITY (1):** 5  
**UNITS (1):** GAL

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b>	NO	<b>GROUNDWATER:</b>	NO
<b>LAND:</b>	YES	<b>FIXED FACILITY:</b>	NO
<b>WATER:</b>	NO	<b>OTHER:</b>	NO
<b>WATERBODY AFFECTED BY RELEASE:</b>			NONE

**CAUSE OF RELEASE**

<b>DUMPING:</b>	YES	<b>EQUIPMENT FAILURE:</b>	NO
<b>NATURAL PHENOMENON:</b>	NO	<b>OPERATOR ERROR:</b>	NO
<b>OTHER CAUSE:</b>	NO	<b>TRANSP. ACCIDENT:</b>	NO
<b>UNKNOWN:</b>	NO		

**ACTIONS TAKEN:** CONTAINED IN DRAINAGE DITCH

**RELEASE DETECTION:**

- Continued on next page -

## *Environmental FirstSearch Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

ERNS

**SEARCH ID:** 91

**DIST/DIR:** NON GC

**MAP ID:**

<b>NAME:</b> UNKNOWN	<b>REV:</b> 5/5/91
<b>ADDRESS:</b> ELVERTA RD BET EL CENTRO and EAST LEVEE RD	<b>ID1:</b> 217784
SACRAMENTO CA 95836	<b>ID2:</b>
SACRAMENTO	<b>STATUS:</b> UNKNOWN (NRC)
<b>CONTACT:</b>	<b>PHONE:</b>

**MISC. NOTES:**

**DISCHARGER INFORMATION**

<b>DISCHARGER ID:</b> 217784	<b>DUN and BRADSTREET :</b>
<b>TYPE OF DISCHARGER:</b>	
<b>NAME OF DISCHARGER:</b> UNKNOWN	
<b>ADDRESS:</b>	

**CAUSE OF RELEASE**

<b>DUMPING:</b> YES	<b>EQUIPMENT FAILURE:</b> NO	
<b>NATURAL PHENOMENON:</b> NO	<b>OPERATOR ERROR:</b> NO	
<b>OTHER CAUSE:</b> NO	<b>TRANSP. ACCIDENT:</b> NO	
<b>UNKNOWN:</b> NO		

**ACTIONS TAKEN:** CONTAINED IN DRAINAGE DITCH

**RELEASE DETECTION:**

**MISC. NOTES:**

**DISCHARGER INFORMATION**

<b>DISCHARGER ID:</b> 217784	<b>DUN and BRADSTREET :</b>
<b>TYPE OF DISCHARGER:</b>	
<b>NAME OF DISCHARGER:</b> UNKNOWN	
<b>ADDRESS:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 102                                          **DIST/DIR:** NON GC                                          **MAP ID:**

<b>NAME:</b>	PACIFIC BELL	<b>REV:</b>	7/10/07
<b>ADDRESS:</b>	N/W CORNER PLEASANT GROVE PLEASANT GROVE CA 95668 SUTTER	<b>ID1:</b>	110008291142
<b>CONTACT:</b>		<b>ID2:</b>	CAT080015159
		<b>STATUS:</b>	FRS
		<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	CAT080015159
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	EPA INSPECTION
<b>LAST REPORTED:</b>	9/1/1996	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110008291142
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	HWTS-DATAMART	<b>PROGRAM ID:</b>	CAT080015159
<b>PROVIDED BY:</b>	STATE AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	HWTS-DATAMART
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	11/18/2004 10:28:12 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	STATE MASTER -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	12/21/2001 8:55:51 AM
<b>ENTERED PERSON/METHOD:</b>	FRS
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 102

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** N/W CORNER PLEASANT GROVE  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 7/10/07  
**ID1:** 110008291142  
**ID2:** CAT080015159  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020109  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 101

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** 2 MILE S/E PLEASANT GROVE  
PLEASANT GROVE CA 95668  
SUTTER

**REV:**  
**ID1:** CAT080015142  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

RCRIS : CAT080015142  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 100                                              **DIST/DIR:** NON GC                                              **MAP ID:**

**NAME:** MONITORING STATION                                              **REV:** 7/10/07  
**ADDRESS:** 4SW-7310 PACIFIC AVE                                              **ID1:** 110020866981  
PLEASANT GROVE CA 95668                                              **ID2:**  
SUTTER                                              **STATUS:** FRS  
**CONTACT:**                                              **PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS                                              **PROGRAM ID:** 110020866981  
**PROVIDED BY:** FEDERAL AGENCY                                              **AGENCY INTERESTED:** 4/11/2005 8:40:45 PM  
**AGENCY INT QUAL:**                                              **INTEREST ENDED:**  
**INT END QUAL:**                                              **SOURCE OF DATA:** AIRS/AQS  
**LAST REPORTED:** 4/11/2005 8:40:47 PM                                              **LAST EXTRACTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM:** AIRS/AQS                                              **PROGRAM ID:** 1566  
**PROVIDED BY:** FEDERAL AGENCY                                              **AGENCY INTERESTED:** 1/1/1982  
**AGENCY INT QUAL:** DATE MONITORING STARTED                                              **INTEREST ENDED:**  
**INT END QUAL:**                                              **SOURCE OF DATA:** AQS SITES TRANSACTION  
**LAST REPORTED:**                                              **LAST EXTRACTED:** 7/11/2006 1:58:15 PM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** AIR MONITORING SITE - A SITE ESTABLISHED TO MEASURE CONCENTRATIONS OF AIR  
POLLUTANTS.

**SITE TYPE:** MONITORING STATION  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/11/2005 8:40:47 PM  
**DATA UPDATED:** 4/26/2005 3:58:45 PM  
**ENTERED PERSON/METHOD:** ESZ  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

<b>SEARCH ID:</b> 99	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
----------------------	-------------------------	----------------

<b>NAME:</b> VERIZON CALIFORNIA <b>ADDRESS:</b> 42360 3RD STREET KNIGHTS LANDING CA 95645 YOLO	<b>REV:</b> 7/10/07 <b>ID1:</b> 110021150378 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b>
<b>CONTACT:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA351321
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:55:18 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110021150378
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	5/17/2005 6:26:36 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>	5/17/2005 6:26:37 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	5/17/2005 6:26:37 PM
<b>DATA UPDATED:</b>	6/29/2005 4:27:17 PM
<b>ENTERED PERSON/METHOD:</b>	ESZ
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

<b>SEARCH ID:</b> 98	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
----------------------	-------------------------	----------------

<b>NAME:</b> RIVER GARDEN FARMS COMPANY <b>ADDRESS:</b> 37060 COUNTY ROAD 6 KNIGHTS LANDING CA 95645 YOLO <b>CONTACT:</b>	<b>REV:</b> 7/10/07 <b>ID1:</b> 110010458147 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b>
---------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110010458147
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1135808
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:10:41 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN, HWY
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	5/18/2005 5:38:22 PM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	



## *Environmental FirstSearch Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

**SEARCH ID:** 96

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** ELECTRIC LIGHTWAVE  
**ADDRESS:** 8194 COUNTY ROAD 112  
 KNIGHTS LANDING CA 95645  
 YOLO

**REV:** 7/10/07  
**ID1:** 110021332645  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:** 5/19/2005 9:03:22 AM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM ID:** 110021332645  
**AGENCY INTERESTED:** 5/19/2005 9:03:21 AM  
**INTEREST ENDED:**  
**SOURCE OF DATA:** NEI  
**LAST EXTRACTED:**

**PROGRAM:** NEI  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**PROGRAM ID:** NEI2CA351146  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** NEI  
**LAST EXTRACTED:** 6/14/2005 10:59:01 AM

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 5/19/2005 9:03:22 AM  
**DATA UPDATED:** 1/5/2006 6:17:48 PM  
**ENTERED PERSON/METHOD:** KGOODWIN  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

<b>SEARCH ID:</b> 95	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> TEICHERT AGGREGATES	<b>REV:</b> 7/10/07	
<b>ADDRESS:</b> 27944 COUNTY ROAD 19A ESPARTO CA 95627 YOLO	<b>ID1:</b> 110013818182	
<b>CONTACT:</b>	<b>ID2:</b>	
	<b>STATUS:</b> FRS	
	<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013818182
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/2/2003 9:50:07 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI99-CRT
<b>LAST REPORTED:</b>	4/2/2003 9:50:07 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1131048
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:09:24 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	4/2/2003 9:50:07 AM
<b>DATA UPDATED:</b>	6/25/2003 5:09:39 PM
<b>ENTERED PERSON/METHOD:</b>	ACARTER
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 94                                      **DIST/DIR:** NON GC                                      **MAP ID:**

<b>NAME:</b>	ESPARTO LANDFILL (OLD)	<b>REV:</b>	7/10/07
<b>ADDRESS:</b>	COUNTY ROAD 19A	<b>ID1:</b>	110013919670
	ESPARTO CA 95627	<b>ID2:</b>	
	YOLO	<b>STATUS:</b>	FRS
<b>CONTACT:</b>		<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013919670
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/11/2003 3:14:05 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI-HAP
<b>LAST REPORTED:</b>	4/11/2003 3:14:05 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICALF77
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:59:14 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	4/11/2003 3:14:05 PM
<b>DATA UPDATED:</b>	6/26/2003 12:43:15 PM
<b>ENTERED PERSON/METHOD:</b>	ACARTER
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	



***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 148

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** ESPARTO LANDFILL (OLD)  
**ADDRESS:** COUNTY ROAD 19A  
ESPARTO CA 95695  
YOLO

**REV:** 04/09/08  
**ID1:** SWIS57-CR-0001  
**ID2:**  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**

**SITE OPERATOR INFORMATION:**

**Operator:** *County Of Yolo Public Works Dept*  
**Operator Address:** *292 West Beamer Street Woodland CA 95695*  
**Permit Date:**  
**Permit Status:**  
**Land Use Name:** *Rural,Agricultural*  
**GIS Source for LAT and LONG:** *GPS*

**SITE ACTIVITY INFORMATION:**

**Activity:** *Solid Waste Disposal Site*  
**Accepted Waste:**  
**Operational Status:** *Closed*  
**Regulatory Status:** *Unpermitted*  
**Program Type:**  
**Closure Date:**  
**Closure Type:**  
**Permitted Throughput with Units:** 0  
**Permitted Capacity with Units:** 0  
**Remaining Capacity with Units (landfills only):** 0  
**Permitted Total Acreage:** 0  
**Permitted Disposal Acreage:** 0  
**Last Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** *Quarterly*

**SITE OWNER INFORMATION:**

**Owner:** *County Of Yolo Public Works Dept*  
**Owner Phone:** *5306668852*  
**Owner Address:** *292 West Beamer Street*

*Environmental FirstSearch*  
*Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

<b>SEARCH ID:</b> 92	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>		
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>NAME:</b> BIANCHI/SILLS DRIER and STG  <b>ADDRESS:</b> 8391 PLEASANT GROVE RD                  ELVERTA CA 95626                  SACRAMENTO  <b>CONTACT:</b> </td> <td style="width: 50%; vertical-align: top;"> <b>REV:</b> 7/10/07  <b>ID1:</b> 110013849773  <b>ID2:</b>  <b>STATUS:</b> FRS  <b>PHONE:</b> </td> </tr> </table>			<b>NAME:</b> BIANCHI/SILLS DRIER and STG <b>ADDRESS:</b> 8391 PLEASANT GROVE RD ELVERTA CA 95626 SACRAMENTO <b>CONTACT:</b>	<b>REV:</b> 7/10/07 <b>ID1:</b> 110013849773 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b>
<b>NAME:</b> BIANCHI/SILLS DRIER and STG <b>ADDRESS:</b> 8391 PLEASANT GROVE RD ELVERTA CA 95626 SACRAMENTO <b>CONTACT:</b>	<b>REV:</b> 7/10/07 <b>ID1:</b> 110013849773 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b>			

FACILITY REGISTRATION INFORMATION:

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013849773
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/3/2003 11:16:42 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI99-CRT
<b>LAST REPORTED:</b>	4/3/2003 11:16:42 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1016003
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:09:46 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/3/2003 11:16:42 AM  
**DATA UPDATED:** 5/18/2005 7:56:58 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 103

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** 2 MILE S/E PLEASANT GROVE  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 7/10/07  
**ID1:** 110008291133  
**ID2:** CAT080015142  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM ID:** 110008291133  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** FRS  
**LAST EXTRACTED:**

**PROGRAM:** HWTS-DATAMART  
**PROVIDED BY:** STATE AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** STATE MASTER -

**PROGRAM ID:** CAT080015142  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** HWTS-DATAMART  
**LAST EXTRACTED:** 11/18/2004 10:28:07 AM

**PROGRAM:** RCRAINFO  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:** 9/1/1996  
**ENFORCEMENT ACT:**  
**REG PROGRAM:**

**PROGRAM ID:** CAT080015142  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** EPA INSPECTION  
**LAST EXTRACTED:**

**REG PROGRAM:** SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** DIRECTION  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 12/21/2001 8:55:44 AM  
**ENTERED PERSON/METHOD:** FRS  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 103

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** 2 MILE S/E PLEASANT GROVE  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 7/10/07  
**ID1:** 110008291133  
**ID2:** CAT080015142  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020109  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

ERNS

**SEARCH ID:** 90

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** UNKNOWN  
**ADDRESS:** COUNTY ROAD-101 NORTH OF CHURCHILL  
WOODLAND CA 95695  
Yolo

**REV:** 1/3/96  
**ID1:** 486512  
**ID2:**  
**STATUS:** UNKNOWN (NRC)  
**PHONE:**

**CONTACT:**

**SPILL INFORMATION**

**DATE OF SPILL:** 1/3/1996      **TIME OF SPILL:** 1630

**PRODUCT RELEASED (1):** DIESEL  
**QUANTITY (1):** 100  
**UNITS (1):** GAL

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b>	NO	<b>GROUNDWATER:</b>	NO
<b>LAND:</b>	YES	<b>FIXED FACILITY:</b>	NO
<b>WATER:</b>	NO	<b>OTHER:</b>	NO

**WATERBODY AFFECTED BY RELEASE:**

**CAUSE OF RELEASE**

<b>DUMPING:</b>	NO	<b>EQUIPMENT FAILURE:</b>	NO
<b>NATURAL PHENOMENON:</b>	NO	<b>OPERATOR ERROR:</b>	YES
<b>OTHER CAUSE:</b>	NO	<b>TRANSP. ACCIDENT:</b>	NO
<b>UNKNOWN:</b>	NO		

**ACTIONS TAKEN:** UNKNOWN

**RELEASE DETECTION:** ROAD SINGLE VEHICLE ACCIDENT CAUSED DAMAGE TO A FUEL TANK CAUSING THE SPILL

**MISC. NOTES:**

**DISCHARGER INFORMATION**

**DISCHARGER ID:** 486512  
**TYPE OF DISCHARGER:** UNKNOWN  
**NAME OF DISCHARGER:** UNKNOWN  
**ADDRESS:**

**DUN and BRADSTREET :**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

ERNS

**SEARCH ID:** 89

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** UNKNOWN  
**ADDRESS:** NICHOLAS AVE 1/2 MI W OF PLEASANT GROVE  
PLEASANT GROVE CA 95668  
Sutter  
**CONTACT:**

**REV:** 8/14/93  
**ID1:** 338332  
**ID2:**  
**STATUS:** HIGHWAY RELATED  
**PHONE:**

**SPILL INFORMATION**

**DATE OF SPILL:** 8/14/1993      **TIME OF SPILL:** 1534

**PRODUCT RELEASED (1):** TRANSFORMER OIL  
**QUANTITY (1):** 2  
**UNITS (1):** GAL

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

**AIR:** NO      **GROUNDWATER:** NO  
**LAND:** YES      **FIXED FACILITY:** NO  
**WATER:** NO      **OTHER:** NO  
**WATERBODY AFFECTED BY RELEASE:**

**CAUSE OF RELEASE**

**DUMPING:** NO      **EQUIPMENT FAILURE:** NO  
**NATURAL PHENOMENON:** NO      **OPERATOR ERROR:** NO  
**OTHER CAUSE:** NO      **TRANSP. ACCIDENT:** YES  
**UNKNOWN:** NO

**ACTIONS TAKEN:** NOT STATED  
**RELEASE DETECTION:** ABANDONED ON SIDE OF THE ROAD  
**MISC. NOTES:**

**DISCHARGER INFORMATION**

**DISCHARGER ID:** 338332      **DUN and BRADSTREET :**  
**TYPE OF DISCHARGER:** UNKNOWN  
**NAME OF DISCHARGER:** UNKNOWN  
**ADDRESS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

ERNS

**SEARCH ID:** 88

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** ARCO  
**ADDRESS:** STN 6225 4745 WATT AVE  
NORTH HIGHLANDS CA 95660  
Sacramento

**REV:** 7/16/96  
**ID1:** 513509  
**ID2:**  
**STATUS:** FIXED FACILITY  
**PHONE:**

**CONTACT:**

**SPILL INFORMATION**

**DATE OF SPILL:** 7/16/1996      **TIME OF SPILL:** 0000

**PRODUCT RELEASED (1):** GASOLINE, AUTOMOTIVE  
**QUANTITY (1):** 0  
**UNITS (1):** UNK

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b>	NO	<b>GROUNDWATER:</b>	NO
<b>LAND:</b>	YES	<b>FIXED FACILITY:</b>	NO
<b>WATER:</b>	NO	<b>OTHER:</b>	NO

**WATERBODY AFFECTED BY RELEASE:**

**CAUSE OF RELEASE**

<b>DUMPING:</b>	NO	<b>EQUIPMENT FAILURE:</b>	NO
<b>NATURAL PHENOMENON:</b>	NO	<b>OPERATOR ERROR:</b>	NO
<b>OTHER CAUSE:</b>	NO	<b>TRANSP. ACCIDENT:</b>	NO
<b>UNKNOWN:</b>	YES		

**ACTIONS TAKEN:** ARCO TO C/U  
**RELEASE DETECTION:** AT GAS STATION, LINE NOT HOLDING PRESSURE, SLOW FLOW-LEAKING UNKNOWN, LEAK SOMEWHERE  
**MISC. NOTES:** Previous Case : 96-3962

**DISCHARGER INFORMATION**

**DISCHARGER ID:** 513509      **DUN and BRADSTREET :**  
**TYPE OF DISCHARGER:** UNKNOWN  
**NAME OF DISCHARGER:** ARCO  
**ADDRESS:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

RCRANLR

---

<b>SEARCH ID:</b> 87	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
----------------------	-------------------------	----------------

---

<b>NAME:</b> DELTA AIR LINES SACRAMENTO	<b>REV:</b> 6/6/06
<b>ADDRESS:</b> SACRAMENTO AIRPORT SACRAMENTO CA 95837 CA067	<b>ID1:</b> CAD982011140
<b>CONTACT:</b> ENVIRONMENTAL MANAGER	<b>ID2:</b>
	<b>STATUS:</b> NLR
	<b>PHONE:</b> 9162978352

---

**SITE INFORMATION**

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
SACRAMENTO AIRPORT  
SACRAMENTO CA 95837

**PHONE:** 9162978352

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 168

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CHEVRON 9-2597

**REV:** 01/01/2000

**ADDRESS:** 18420 COUNTY ROAD 102 AND COUNTY ROAD 22  
WOODLAND CA 95776

**ID1:** YOLO\_PERMT\_UST0097

YOLO

**ID2:**

**CONTACT:** CHEVRON USA INC

**STATUS:** RENEWAL PERMIT

**PHONE:** 530-666-3155

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 10/01/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 12000

**Installed:** 11/21/95  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** CHEVRON USA INC  
**Owner Address:** PO BOX 5004 SAN RAMON , CA 94583

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 10/01/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 12000

**Installed:** 11/21/95  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** CHEVRON USA INC  
**Owner Address:** PO BOX 5004 SAN RAMON , CA 94583

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 10/01/99  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 12000

**Installed:** 11/21/95  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** CHEVRON USA INC  
**Owner Address:** PO BOX 5004 SAN RAMON , CA 94583

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 167

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** GREYHOUND LINES  
**ADDRESS:** 1874 S RIVER RD AND 15TH ST  
W SACRAMENTO CA 95691  
YOLO  
**CONTACT:** GREYHOUND LINES INC

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0192  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 916-372-6502

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 08/28/01  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** DIESEL  
**Capacity:** 12000  
  
**Installed:** 05/01/95  
**Active:** 2  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 2  
**Tank Owner:** GREYHOUND LINES INC  
**Owner Address:** 1874 S RIVER RD DALLAS , TX 75266

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 08/28/01  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** DIESEL  
**Capacity:** 12000  
  
**Installed:** 05/01/95  
**Active:** 2  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 2  
**Tank Owner:** GREYHOUND LINES INC  
**Owner Address:** 1874 S RIVER RD DALLAS , TX 75266

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

UST

**SEARCH ID:** 166

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SHEFFIELDS PLUG and JUG  
**ADDRESS:** 9425 LOCUST ST AND 5TH ST  
KNIGHTS LANDING CA 95645  
Yolo  
**CONTACT:** WALLY SHEFFIELD

**REV:** 01/01/2000  
**ID1:** YOLO\_PERMT\_UST0344  
**ID2:**  
**STATUS:** RENEWAL PERMIT  
**PHONE:** 530-735-6519

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 03/31/96  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 8000  
  
**Installed:** 05/21/91  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** WALLY SHEFFIELD  
**Owner Address:** PO BOX 427 KNIGHTS LANDING , CA 956435

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 03/31/96  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** LEADED  
**Capacity:** 5000  
  
**Installed:** 05/21/91  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** WALLY SHEFFIELD  
**Owner Address:** PO BOX 427 KNIGHTS LANDING , CA 956435

**INFORMATION FROM THE YOLO COUNTY COMPREHENSIVE UST LIST**

**Inspected:** 03/31/96  
**Status:** RENEWAL PERMIT  
**Tank Status:** RENEWAL PERMIT  
**Last Test:**  
**Contents:** UNLEADED  
**Capacity:** 3000  
  
**Installed:** 05/21/91  
**Active:** 3  
**Exempt:** 0  
**Inactive:** 0  
**Last Tank:** 3  
**Tank Owner:** WALLY SHEFFIELD  
**Owner Address:** PO BOX 427 KNIGHTS LANDING , CA 956435

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

**SEARCH ID:** 165

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SACRAMENTO AIRPORT STATION  
**ADDRESS:** GARDEN HWY/ELKHORN BLVD  
SACRAMENTO CA 95837  
**CONTACT:** SACRAMENTO

**REV:** 08/22/05  
**ID1:** FA0019743  
**ID2:**  
**STATUS:** NOT REPORTED  
**PHONE:**

**SACRAMENTO COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT MASTER LIST OF SITES WITH POTENTIALLY HAZARDOUS MATERIALS:**

**Number of Tanks at Site (where applicable):**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

VCP

**SEARCH ID:** 185

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SILVER CREEK

**REV:** 08/15/06

**ADDRESS:** 4300 PFE ROAD AND 9245 WALERGA ROAD (ADJOINING PROPERTIES)

**ID1:** CAL60000292

ROSEVILLE CA 95747

**ID2:** VOLUNTARY CLEANUP

PLACER

**STATUS:** NO FURTHER ACTION

**CONTACT:**

**PHONE:**

**GENERAL SITE INFORMATION**

<b>Site Type:</b>	<i>Voluntary Cleanup</i>
<b>Status:</b>	<i>No Further Action</i>
<b>Status Date:</b>	<i>2006-06-27 00:00:00</i>
<b>NPL Site:</b>	<i>NO</i>
<b>Funding:</b>	<i>Responsible Party</i>
<b>Regulatory Agencies Involved:</b>	<i>SMBRP</i>
<b>Lead Agency:</b>	<i>NONE SPECIFIED</i>
<b>Project Manager:</b>	<i>LEONA WINNER</i>
<b>Supervisor:</b>	<i>KEVIN SHADDY</i>
<b>Branch:</b>	<i>Brownfields Revitalization Unit</i>
<b>Acres:</b>	<i>28.6</i>
<b>Assessor s Parcel Number:</b>	<i>NONE SPECIFIED</i>
<b>Past Uses:</b>	<i>NONE SPECIFIED</i>
<b>Potential Contaminants:</b>	<i>NONE SPECIFIED</i>
<b>Confirmed Contaminants:</b>	<i>NONE SPECIFIED</i>
<b>Potential Media Affected:</b>	<i>NONE SPECIFIED</i>
<b>Restricted Use:</b>	<i>NO</i>
<b>Site Management Required:</b>	<i>NONE SPECIFIED</i>
<b>Special Programs Associated with this Site:</b>	<i>Voluntary Cleanup Program</i>

**OTHER SITE NAMES (blank below = not reported by agency)**

101788

60000292

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

<b>Area Name:</b>	<i>PROJECT WIDE</i>
<b>Sub- Area Name:</b>	
<b>Document Type:</b>	<i>Preliminary Endangerment Assessment Report</i>
<b>Completion Date:</b>	<i>2006-06-27 00:00:00</i>
<b>Comments:</b>	<i>Pre-existing data was received and no further action was deemed necessary.</i>

<b>Area Name:</b>	<i>PROJECT WIDE</i>
<b>Sub- Area Name:</b>	
<b>Document Type:</b>	<i>Voluntary Clean-up Agreement</i>
<b>Completion Date:</b>	<i>2006-05-02 00:00:00</i>
<b>Comments:</b>	<i>A Voluntary Cleanup Agreement was executed. The agreement calls for the completion of a Preliminary Endangerment Assessment.</i>

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 93

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MONROE S LANDFILL  
**ADDRESS:** 8784 N PALLADAY RD  
ELVERTA CA 95626  
SACRAMENTO

**REV:** 7/10/07  
**ID1:** 110013983243  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICALF2570
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:12:53 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013983243
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/11/2003 5:12:56 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI-HAP
<b>LAST REPORTED:</b>	4/11/2003 5:12:56 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/11/2003 5:12:56 PM  
**DATA UPDATED:** 5/18/2005 6:31:14 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 116

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** USA WASTE OF CALIFORNIA, INC.  
**ADDRESS:** 44090 COUNTY ROAD 28H  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 9/12/05  
**ID1:** 110021144073  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEI2CA351237
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 10:55:03 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110021144073
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	5/17/2005 6:20:43 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>	5/17/2005 6:20:43 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	5/17/2005 6:20:43 PM
<b>DATA UPDATED:</b>	6/29/2005 7:38:01 PM
<b>ENTERED PERSON/METHOD:</b>	ESZ
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

## OTHER

**SEARCH ID:** 163

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SPRECKLES SUGAR COMPANY  
**ADDRESS:** COUNTY ROAD 18C  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 07/18/05  
**ID1:** CAL57200003  
**ID2:**  
**STATUS:** PROPERTY/SITE REFERRED TO ANOT  
**PHONE:**

**GENERAL SITE INFORMATION**

**Site Type:** *Historical*  
**Status:** *Refer: Other Agency*  
**Status Date:** *2003-08-28 00:00:00*  
**NPL Site:** *NO*  
**Funding:**  
**Regulatory Agencies Involved:** *YOLO COUNTY*  
**Lead Agency:** *YOLO COUNTY*  
**Project Manager:** *STEVEN BECKER*  
**Supervisor:** *Steven Becker*  
**Branch:** *Central California*  
**Acres:**  
**Assessor s Parcel Number:** *NONE SPECIFIED*  
**Past Uses:** *NONE SPECIFIED*  
**Potential Contaminants:** *ACID SOLUTION 2>PH WITH METALS, UNKNOWN CODE-40001, UNSPECIFIED ORGANIC LIQUID MIXTURE, LIME SLUDGE, Polychlorinated biphenyls (PCBs)*  
**Confirmed Contaminants:** *NONE SPECIFIED*  
**Potential Media Affected:** *NONE SPECIFIED*  
**Restricted Use:** *NO*  
**Site Management Required:** *NONE SPECIFIED*  
**Special Programs Associated with this Site:**

**OTHER SITE NAMES (blank below = not reported by agency)**

*CAT000624767*

*57200003*

*AMSTAR CORP*

*AMSTAR CORP SPRECKELS SUGAR DIVISION F-3*

*SPRECKELS SUGAR COMPANY*

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Site Screening*  
**Completion Date:** *1990-12-21*  
**Comments:** *SITE SCREENING DONE. NO APPARENT INTERIM RESPONSE MEASURES NEEDS. RECOMMEND MEDIUM PRIORITY PRELIMINARY ENDANGERMENT ASSESSMENT.*

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Site Screening*  
**Completion Date:** *1988-06-02*  
**Comments:** *SITE SCREENING DONE. EPA RECOMMENDS A MEDIUM PRIORITY SI, DHS CONCURS.*

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Preliminary Assessment Report*

- Continued on next page -



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

OTHER

---

<b>SEARCH ID:</b> 163	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

---

<b>NAME:</b> SPRECKLES SUGAR COMPANY	<b>REV:</b> 07/18/05
<b>ADDRESS:</b> COUNTY ROAD 18C	<b>ID1:</b> CAL57200003
WOODLAND CA 95695	<b>ID2:</b>
YOLO	<b>STATUS:</b> PROPERTY/SITE REFERRED TO ANOT
<b>CONTACT:</b>	<b>PHONE:</b>

---

**Completion Date:** 1984-07-01  
**Comments:** 2 SETTLING PONDS, 2 HOLDING PONDS. WASTE: LEAD ACETATE 200 LBS ASBESTOS. PRIOR TO EARLY 1970S LEAD ACETATE, ASBESTOS and REFUSE WERE DISPOSED IN ON SITE LANDFILL. LANDFILL MATERIALS WERE ROUTINELY BURNED. THEY ARE CURRENTLY DRUMMED AND TRANSPORTED BY HAULER OFFSITE. PCB USED TO BE STORED ON SITE. PROCESS SUGAR BEETS TO MAKE SUGAR. YEARS OF OPERATION 1937 TO PRESENT. SUBMIT TO EPA. PRELIMINARY ASSESSMENT DONE. RCRA 3012.

**Area Name:** PROJECT WIDE  
**Sub- Area Name:**  
**Document Type:** Discovery  
**Completion Date:** 1983-10-11  
**Comments:** FACILITY IDENTIFIED FROM ERRIS.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 145

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WEST ROSEVILLE HIGH SCHOOL NO. 6  
**ADDRESS:** PHILLIP ROAD/FIDDYMENT ROAD  
ROSEVILLE CA 95747  
PLACER

**REV:** 07/18/05  
**ID1:** CAL31020006  
**ID2:**  
**STATUS:** NO ACTION - FOR CALMORTGAGE  
**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

WEST ROSEVILLE HIGH SCHOOL NO. 6

ROSEVILLE JOINT UNION HSD

**GENERAL SITE INFORMATION**

**File Name (if different than site name):** WEST ROSEVILLE HIGH SCHOOL NO. 6

**Status:** NO ACTION - FOR CALMORTGAGE ONLY  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY

**NPL Site:**

**Fund:**

**Status Date:** 06092003

**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL

**Staff:** FLOPEZ2

**DTSC Region and RWQCB :** SACRAMENTO

**Branch:** SCHOOL EVALUATION

**RWQCB:**

**Site Access:**

**Groundwater Contamination:**

**Number of Sources Contributing to Contamination at the Site:** 0

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104343-11

**BACKGROUND INFORMATION (blank below = not reported by agency)**

*This school site encompasses approximately 54 acres of property. Historically the Site was occupied by a turkey farm which ceased operation in the 1950 s. Since then the Site has been utilized for grazing sheep and cattle.*

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE 1 - CALMORTGAGE AND SCHOOL SITE PROPERTIES

**Activity Status:** NO ACTION - FOR CALMORTGAGE ONLY

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 06092003

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 06092003

: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has made a No Action determination for this Site.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 144

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WEST PLACER ELEM. SCHOOL/MORGAN CREEK

**REV:** 07/18/05

**ADDRESS:** CROWDER LANE/VINEYAD ROAD

**ID1:** CAL31010015

ROSEVILLE CA 95747

**ID2:**

PLACER

**STATUS:** VOLUNTARY CLEANUP PROGRAM

**CONTACT:**

**PHONE:**

**OTHER SITE NAMES (blank below = not reported by agency)**

WEST PLACER ELEM. SCHOOL/MORGAN CREEK

MORGAN CREEK

**GENERAL SITE INFORMATION**

File Name (if different than site name):

**Status:** VOLUNTARY CLEANUP PROGRAM  
**AWP Site Type:** PROPOSED SCHOOL SITE PROPERTY

**NPL Site:**

**Fund:**

**Status Date:** 06032004

**Lead:** DEPT OF TOXIC SUBSTANCES CONTROL

**Staff:** JLUEVANO

**DTSC Region and RWQCB :** SACRAMENTO

**Branch:** SCHOOL EVALUATION

**RWQCB:**

**Site Access:**

**Groundwater Contamination:**

**Number of Sources Contributing to Contamination at the Site:** 0

**OTHER AGENCY ID NUMBERS (blank below = not reported by agency)**

**ID SOURCE NAME, and VALUE:** CALSTARS CODE 104394-11

**BACKGROUND INFORMATION (blank below = not reported by agency)**

THE SITE HAS BEEN HISTORICALLY UTILIZED AS DRY-FARMED SINCE THE 1940 S.

**PROJECTED ACTIVITIES (blank below = not reported by agency)**

**Activity:** PHASE I - CALMORTGAGE AND SCHOOL SITE PROPERTIES

**Activity Status:** VOLUNTARY CLEANUP PROGRAM

**Completion Due Date:**

**Revised Completion Due Date:**

**Date Activity Actually Completed:** 04052004

**Yards of Solids Removed:** 0

**Yards of Solids Treated:** 0

**Gallons of Liquid Removed:** 0

**Gallons of Liquid Treated:** 0

**DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Comments Date:** 04052004

: DTSC reviewed a Phase I Addendum Report and has made a No Action determination for this site.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 143

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SILVER CREEK

**REV:** 08/15/06

**ADDRESS:** 4300 PFE ROAD AND 9245 WALERGA ROAD (ADJOINING PROPERTIES)

**ID1:** CAL60000292

ROSEVILLE CA 95747

**ID2:** VOLUNTARY CLEANUP

PLACER

**STATUS:** NO FURTHER ACTION

**CONTACT:**

**PHONE:**

**GENERAL SITE INFORMATION**

**Site Type:** *Voluntary Cleanup*  
**Status:** *No Further Action*  
**Status Date:** *2006-06-27 00:00:00*  
**NPL Site:** *NO*  
**Funding:** *Responsible Party*  
**Regulatory Agencies Involved:** *SMBRP*  
**Lead Agency:** *NONE SPECIFIED*  
**Project Manager:** *LEONA WINNER*  
**Supervisor:** *KEVIN SHADDY*  
**Branch:** *Brownfields Revitalization Unit*  
**Acres:** *28.6*  
**Assessor s Parcel Number:** *NONE SPECIFIED*  
**Past Uses:** *NONE SPECIFIED*  
**Potential Contaminants:** *NONE SPECIFIED*  
**Confirmed Contaminants:** *NONE SPECIFIED*  
**Potential Media Affected:** *NONE SPECIFIED*  
**Restricted Use:** *NO*  
**Site Management Required:** *NONE SPECIFIED*  
**Special Programs Associated with this Site:** *Voluntary Cleanup Program*

**OTHER SITE NAMES (blank below = not reported by agency)**

101788

60000292

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Preliminary Endangerment Assessment Report*  
**Completion Date:** *2006-06-27 00:00:00*  
**Comments:** *Pre-existing data was received and no further action was deemed necessary.*

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Voluntary Clean-up Agreement*  
**Completion Date:** *2006-05-02 00:00:00*  
**Comments:** *A Voluntary Cleanup Agreement was executed. The agreement calls for the completion of a Preliminary Endangerment Assessment.*

# Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 136

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MERCY HOUSING CALIFORNIA  
**ADDRESS:** 3421 EAST COUNTRY CLUB LANE  
SACRAMENTO CA 95691  
SACRAMENTO

**REV:** 08/15/06  
**ID1:** CAL70000126  
**ID2:** VOLUNTARY CLEANUP  
**STATUS:** NO FURTHER ACTION  
**PHONE:**

**CONTACT:**

**GENERAL SITE INFORMATION**

**Site Type:** *Voluntary Cleanup*  
**Status:** *No Further Action*  
**Status Date:** *2006-07-11 00:00:00*  
**NPL Site:** *NO*  
**Funding:** *Responsible Party*  
**Regulatory Agencies Involved:** *HWMP, SACRAMENTO COUNTY*  
**Lead Agency:** *SACRAMENTO COUNTY*  
**Project Manager:** *MARIA GILLETTE*  
**Supervisor:** *STEVEN BECKER*  
**Branch:** *Central California*  
**Acres:** *2*  
**Assessor s Parcel Number:** *NONE SPECIFIED*  
**Past Uses:** *PESTICIDE/INSECTIDE/RODENTICIDE STORAGE*  
**Potential Contaminants:** *Chlordane, Dieldrin*  
**Confirmed Contaminants:** *Chlordane, Dieldrin*  
**Potential Media Affected:** *SOIL*  
**Restricted Use:** *NO*  
**Site Management Required:** *NONE SPECIFIED*  
**Special Programs Associated with this Site:** *Voluntary Cleanup Program*

**OTHER SITE NAMES (blank below = not reported by agency)**

*101576-11*

*70000126*

*3420 East Country Club Lane (Mercy Housing Site)*

**COMPLETED ACTIVITIES AND DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Removal Action Workplan*  
**Completion Date:** *2005-06-13 00:00:00*  
**Comments:** *The Sacramento County Environmental Management Department (as Lead Regulatory Agency) conditionally approved the Mercy Housing Draft RAW on June 7, 2005. DTSC, as the Responsible Agency, concurred with the SCEMD s conditional approval on June 13, 2005. The 30-day public comment period for the Draft RAW and CEQA NOE began on June 15, 2005 and closed on July 15,2005. The SCEMD received two comments from the community and included a response to comments in their July 22, 2005 RAW approval letter.*

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Removal Action Workplan*  
**Completion Date:** *2005-08-18 00:00:00*  
**Comments:** *The SCEMD (Lead Agency) approved the Final RAW on 7/22/2005. DTSC (Responsible Agency) concurred with the SCEMD s determination on 8/18/2005.*

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Remedial Action Completion Report*  
**Completion Date:** *2006-04-20 00:00:00*  
**Comments:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

STATE

**SEARCH ID:** 136

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MERCY HOUSING CALIFORNIA  
**ADDRESS:** 3421 EAST COUNTRY CLUB LANE  
SACRAMENTO CA 95691  
SACRAMENTO

**REV:** 08/15/06  
**ID1:** CAL70000126  
**ID2:** VOLUNTARY CLEANUP  
**STATUS:** NO FURTHER ACTION  
**PHONE:**

**CONTACT:**

**Area Name:** *PROJECT WIDE*  
**Sub- Area Name:**  
**Document Type:** *Voluntary Clean-up Agreement*  
**Completion Date:** *2003-03-07 00:00:00*  
**Comments:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

<b>SEARCH ID:</b> 131	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> PACIFIC GAS and ELECTRIC/PGandE	<b>REV:</b> 7/10/07	
<b>ADDRESS:</b> HERSHEY JUNCTION CR89 N OF DUN DUNNIGAN CA 95937	<b>ID1:</b> 110013852134	
<b>CONTACT:</b> YOLO	<b>ID2:</b>	
	<b>STATUS:</b> FRS	
	<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> NEI	<b>PROGRAM ID:</b> NEICA1135584
<b>PROVIDED BY:</b> FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>
<b>AGENCY INT QUAL:</b>	<b>INTEREST ENDED:</b>
<b>INT END QUAL:</b>	<b>SOURCE OF DATA:</b> NEI
<b>LAST REPORTED:</b>	<b>LAST EXTRACTED:</b> 6/14/2005 11:00:46 AM
<b>ENFORCEMENT ACT:</b>	
<b>REG PROGRAM:</b> CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	

<b>PROGRAM:</b> FRS	<b>PROGRAM ID:</b> 110013852134
<b>PROVIDED BY:</b> FEDERAL AGENCY	<b>AGENCY INTERESTED:</b> 4/3/2003 11:40:15 AM
<b>AGENCY INT QUAL:</b>	<b>INTEREST ENDED:</b>
<b>INT END QUAL:</b>	<b>SOURCE OF DATA:</b> NEI99-CRT
<b>LAST REPORTED:</b> 4/3/2003 11:40:16 AM	<b>LAST EXTRACTED:</b>
<b>ENFORCEMENT ACT:</b>	
<b>REG PROGRAM:</b> FACILITY -	

<b>SITE TYPE:</b> STATIONARY
<b>INTEREST STATUS:</b> ACTIVE
<b>DATA QUALITY:</b> V
<b>LOCATION DESC:</b>
<b>ADDRESS TYPE:</b> DIRECTION
<b>LAST REPORTED:</b>
<b>POSTED TO DATABASE:</b> 4/3/2003 11:40:16 AM
<b>DATA UPDATED:</b> 4/10/2003 10:22:58 AM
<b>ENTERED PERSON/METHOD:</b> TIGERBEE
<b>PARENT REG ID:</b>
<b>CONFIDENCE IN ADDR:</b> MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>
<b>REQ MANUAL REVIEW:</b>
<b>REASON MAN REVIEW:</b>
<b>SMALL BUS POLICY:</b>
<b>ENFORCEMENT ACTION:</b>
<b>DATA PUB ACCESS:</b> YES
<b>INTERNAL SYS ID:</b>

<b>FEDERAL FACILITY:</b>
<b>FEDERAL AGENCY:</b>
<b>TRIBAL LAND:</b> NO
<b>TRIBAL LAND NAME:</b>
<b>CONGRESSIONAL DIST:</b>
<b>LEGISLATIVE DIST:</b>
<b>HYDROLOGICAL UNTIS:</b>
<b>EPA REGION:</b> 09
<b>AIRSHED:</b>
<b>CENSUS BLOCK:</b>

*Environmental FirstSearch  
Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 130

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** ROAD 89  
DUNNIGAN CA 95937  
YOLO

**REV:** 7/10/07  
**ID1:** 110008292481  
**ID2:** CAT080017387  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	CAT080017387
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	EPA INSPECTION
<b>LAST REPORTED:</b>	9/1/1996	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110008292481
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 1/5/2006 9:30:29 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020104  
**EPA REGION:** 09  
**AIRSHED:**

- Continued on next page -



*Environmental FirstSearch  
Site Detail Report*

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 130

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** ROAD 89  
DUNNIGAN CA 95937  
YOLO

**REV:** 7/10/07  
**ID1:** 110008292481  
**ID2:** CAT080017387  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**CENSUS BLOCK:**

# Environmental FirstSearch

## Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

**SEARCH ID:** 129

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MINKLER ALMONDS  
**ADDRESS:** 24545 COUNTY ROAD 2  
DUNNIGAN CA 95937  
YOLO

**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110010458094  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM ID:** 110010458094  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** FRS  
**LAST EXTRACTED:**

**PROGRAM:** NEI  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**PROGRAM ID:** NEICA1135512  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** NEI  
**LAST EXTRACTED:** 6/14/2005 11:02:26 AM

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 5/18/2005 6:45:41 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:** Y  
**REASON MAN REVIEW:** , NAME MISMATCH-NEI  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 128 **DIST/DIR:** NON GC **MAP ID:**

**NAME:** MICHAEL V DOHERTY **REV:** 7/10/07  
**ADDRESS:** COUNTY ROAD 5 AT COUNTY ROAD 9  
DUNNIGAN CA 95937 **ID1:** 110010458085  
YOLO **ID2:**  
**CONTACT:** **STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS **PROGRAM ID:** 110010458085  
**PROVIDED BY:** FEDERAL AGENCY **AGENCY INTERESTED:**  
**AGENCY INT QUAL:** **INTEREST ENDED:**  
**INT END QUAL:** **SOURCE OF DATA:** FRS  
**LAST REPORTED:** **LAST EXTRACTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM:** NEI **PROGRAM ID:** NEICA1135517  
**PROVIDED BY:** FEDERAL AGENCY **AGENCY INTERESTED:**  
**AGENCY INT QUAL:** **INTEREST ENDED:**  
**INT END QUAL:** **SOURCE OF DATA:** NEI  
**LAST REPORTED:** **LAST EXTRACTED:** 6/14/2005 11:01:52 AM  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 5/18/2005 5:33:21 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:** Y  
**REASON MAN REVIEW:** , NAME MISMATCH-NEI  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 106

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CARGILL INCORPORATED  
**ADDRESS:** STONE BLVD PORT OF SACRAMENTO  
WEST SACRAMENTO CA 95691  
YOLO

**REV:**  
**ID1:** CAD047121983  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

RCRIS :  
PCS :  
AFS/AIRS : 061130023  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 122

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** DELTA AIR LINES SACRAMENTO  
**ADDRESS:** SACRAMENTO AIRPORT  
SACRAMENTO CA 95837  
SACRAMENTO

**REV:**  
**ID1:** CAD982011140  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

RCRIS : CAD982011140  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 152352365  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

<b>SEARCH ID:</b> 108	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> ADAMS GRAIN COMPANY WOODLAND ELEVATOR	<b>REV:</b> 7/10/07	
<b>ADDRESS:</b> HIGHWAY 16 AT COUNTY ROAD 102 WOODLAND CA 95695 YOLO	<b>ID1:</b> 110002081648	
<b>CONTACT:</b>	<b>ID2:</b>	
	<b>STATUS:</b> FRS	
	<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1133517
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:12:59 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110002081648
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	4/17/2003 9:41:15 AM
<b>ENTERED PERSON/METHOD:</b>	BEAR
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	NO
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	03
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	18020109
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

*Environmental FirstSearch  
Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 112

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** MCI WORLDCOM  
**ADDRESS:** 38886 COUNTY ROAD 25  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110013862775  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1135846
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:02:53 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013862775
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/3/2003 1:27:37 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI99-CRT
<b>LAST REPORTED:</b>	4/3/2003 1:27:37 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/3/2003 1:27:37 PM  
**DATA UPDATED:** 6/30/2003 11:28:05 AM  
**ENTERED PERSON/METHOD:** ACARTER  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 115                                              **DIST/DIR:** NON GC                                              **MAP ID:**

<b>NAME:</b>	TEICHERT DAVIS READY MIX PLANTS	<b>REV:</b>	7/10/07
<b>ADDRESS:</b>	40060 COUNTY ROAD 29 AT HWY 113 WOODLAND CA 95695	<b>ID1:</b>	110010457889
<b>CONTACT:</b>	YOLO	<b>ID2:</b>	
		<b>STATUS:</b>	FRS
		<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1135621
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:10:28 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110010457889
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 5/18/2005 6:49:22 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:** Y  
**REASON MAN REVIEW:** , NAME MISMATCH-NEI  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**



*Environmental FirstSearch  
Site Detail Report*

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

**SEARCH ID:** 114

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SEEDTEC INTERNATIONAL INC  
**ADDRESS:** STATE HIGHWAY 113andINTERSTATE 5  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110008261674  
**ID2:** CAD043258565  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** FRS  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:**  
**ENFORCEMENT ACT:**  
**REG PROGRAM:** FACILITY -

**PROGRAM ID:** 110008261674  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** FRS  
**LAST EXTRACTED:**

**PROGRAM:** RCRAINFO  
**PROVIDED BY:** FEDERAL AGENCY  
**AGENCY INT QUAL:**  
**INT END QUAL:**  
**LAST REPORTED:** 9/1/1996  
**ENFORCEMENT ACT:**

**PROGRAM ID:** CAD043258565  
**AGENCY INTERESTED:**  
**INTEREST ENDED:**  
**SOURCE OF DATA:** EPA INSPECTION  
**LAST EXTRACTED:**

**REG PROGRAM:** SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** DIRECTION  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 1/5/2006 10:33:42 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020109  
**EPA REGION:** 09  
**AIRSHED:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 114

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SEEDTEC INTERNATIONAL INC  
**ADDRESS:** STATE HIGHWAY 113andINTERSTATE 5  
WOODLAND CA 95695  
YOLO

**REV:** 7/10/07  
**ID1:** 110008261674  
**ID2:** CAD043258565  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**CENSUS BLOCK:**

## Environmental FirstSearch Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

**SEARCH ID:** 113

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** REIFF FARMS  
**ADDRESS:** COUNTY ROAD 19  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110013918305  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICALF70
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:08:00 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013918305
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/11/2003 3:11:15 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI-HAP
<b>LAST REPORTED:</b>	4/11/2003 3:11:15 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	IRREGULAR
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	4/11/2003 3:11:15 PM
<b>DATA UPDATED:</b>	6/30/2003 11:36:34 AM
<b>ENTERED PERSON/METHOD:</b>	ACARTER
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

**FINDS**

<b>SEARCH ID:</b> 111	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
-----------------------	-------------------------	----------------

<b>NAME:</b> CPN PIPELINE COMPANY	<b>REV:</b> 7/10/07
<b>ADDRESS:</b> COUNTY ROADS 35 and 106 YOLO COUNTY CA 95695	<b>ID1:</b> 110021332912
	<b>ID2:</b>
	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> FRS	<b>PROGRAM ID:</b> 110021332912
<b>PROVIDED BY:</b> FEDERAL AGENCY	<b>AGENCY INTERESTED:</b> 5/19/2005 9:03:39 AM
<b>AGENCY INT QUAL:</b>	<b>INTEREST ENDED:</b>
<b>INT END QUAL:</b>	<b>SOURCE OF DATA:</b> NEI
<b>LAST REPORTED:</b> 5/19/2005 9:03:39 AM	<b>LAST EXTRACTED:</b>
<b>ENFORCEMENT ACT:</b>	
<b>REG PROGRAM:</b> FACILITY -	

<b>PROGRAM:</b> NEI	<b>PROGRAM ID:</b> NEI2CA351064
<b>PROVIDED BY:</b> FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>
<b>AGENCY INT QUAL:</b>	<b>INTEREST ENDED:</b>
<b>INT END QUAL:</b>	<b>SOURCE OF DATA:</b> NEI
<b>LAST REPORTED:</b>	<b>LAST EXTRACTED:</b> 6/14/2005 10:59:01 AM
<b>ENFORCEMENT ACT:</b>	
<b>REG PROGRAM:</b> CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	

<b>SITE TYPE:</b> STATIONARY
<b>INTEREST STATUS:</b> ACTIVE
<b>DATA QUALITY:</b> mOiZ
<b>LOCATION DESC:</b>
<b>ADDRESS TYPE:</b> DIRECTION
<b>LAST REPORTED:</b>
<b>POSTED TO DATABASE:</b> 5/19/2005 9:03:39 AM
<b>DATA UPDATED:</b> 12/15/2005 12:31:17 PM
<b>ENTERED PERSON/METHOD:</b> KGOODWIN
<b>PARENT REG ID:</b>
<b>CONFIDENCE IN ADDR:</b>
<b>ENFORCEMENT SENSITIVE:</b>
<b>REQ MANUAL REVIEW:</b> U
<b>REASON MAN REVIEW:</b> KNOWN TO BE INCOMPLETE
<b>SMALL BUS POLICY:</b>
<b>ENFORCEMENT ACTION:</b>
<b>DATA PUB ACCESS:</b> YES
<b>INTERNAL SYS ID:</b>

<b>FEDERAL FACILITY:</b>
<b>FEDERAL AGENCY:</b>
<b>TRIBAL LAND:</b> NO
<b>TRIBAL LAND NAME:</b>
<b>CONGRESSIONAL DIST:</b>
<b>LEGISLATIVE DIST:</b>
<b>HYDROLOGICAL UNTIS:</b>
<b>EPA REGION:</b> 09
<b>AIRSHED:</b>
<b>CENSUS BLOCK:</b>

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 110

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** CITY OF WOODLAND  
**ADDRESS:** 5TH STREET YARD, WELL 1  
WOODLAND CA 95695  
YOLO  
**CONTACT:**

**REV:** 7/10/07  
**ID1:** 110013852125  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NEI	<b>PROGRAM ID:</b>	NEICA1135853
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	6/14/2005 11:08:27 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110013852125
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/3/2003 11:40:10 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NEI99-CRT
<b>LAST REPORTED:</b>	4/3/2003 11:40:11 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	ACTIVE
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	4/3/2003 11:40:11 AM
<b>DATA UPDATED:</b>	5/18/2005 6:28:24 PM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	Y
<b>REASON MAN REVIEW:</b>	, ADDRESS MISMATCH -NEI
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	YES
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	NO
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	
<b>EPA REGION:</b>	09
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	



# Environmental FirstSearch

## Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

**SEARCH ID:** 105                                      **DIST/DIR:** NON GC                                      **MAP ID:**

<p><b>NAME:</b> SIERRA MACHINERY SERVICES  <b>ADDRESS:</b> 751 B PACIFIC AVENUE          PLEASANT GROVE CA 95668          SUTTER  <b>CONTACT:</b></p>	<p><b>REV:</b> 7/10/07  <b>ID1:</b> 110020118442  <b>ID2:</b> CAR000157404  <b>STATUS:</b> FRS  <b>PHONE:</b></p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------

**FACILITY REGISTRATION INFORMATION:**

<p><b>PROGRAM:</b> RCRAINFO  <b>PROVIDED BY:</b> FEDERAL AGENCY  <b>AGENCY INT QUAL:</b>  <b>INT END QUAL:</b>  <b>LAST REPORTED:</b> 10/15/2004  <b>ENFORCEMENT ACT:</b>  <b>REG PROGRAM:</b></p>	<p><b>PROGRAM ID:</b> CAR000157404  <b>AGENCY INTERESTED:</b>  <b>INTEREST ENDED:</b>  <b>SOURCE OF DATA:</b> RCRAINFO  <b>LAST EXTRACTED:</b> 12/27/2004 2:07:19 PM</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SQG - HAZARDOUS WASTE SMALL QUANTITY GENERATORS GENERATE: (A) MORE THAN 100 AND LESS THAN 1000 KILOGRAMS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH AND ACCUMULATE LESS THAN 6000 KG OF HAZARDOUS WASTE AT ANY TIME; OR (B) 100 KG OR LESS OF HAZARDOUS WASTE DURING ANY CALENDAR MONTH, AND ACCUMULATE MORE THAN 1000 KG OF HAZARDOUS WASTE AT ANY TIME.

<p><b>PROGRAM:</b> FRS  <b>PROVIDED BY:</b> FEDERAL AGENCY  <b>AGENCY INT QUAL:</b>  <b>INT END QUAL:</b>  <b>LAST REPORTED:</b> 12/27/2004 2:07:19 PM  <b>ENFORCEMENT ACT:</b>  <b>REG PROGRAM:</b></p>	<p><b>PROGRAM ID:</b> 110020118442  <b>AGENCY INTERESTED:</b> 12/27/2004 2:07:19 PM  <b>INTEREST ENDED:</b>  <b>SOURCE OF DATA:</b> RCRAINFO  <b>LAST EXTRACTED:</b></p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

FACILITY -

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** ACTIVE  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 12/27/2004 2:07:19 PM  
**DATA UPDATED:** 1/6/2006 5:07:15 PM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** YES  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** NO  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** NO  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 09  
**AIRSHED:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 105

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** SIERRA MACHINERY SERVICES  
**ADDRESS:** 751 B PACIFIC AVENUE  
PLEASANT GROVE CA 95668  
SUTTER

**REV:** 7/10/07  
**ID1:** 110020118442  
**ID2:** CAR000157404  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**CENSUS BLOCK:**



**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 104

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** PACIFIC BELL  
**ADDRESS:** N/W CORNER PLEASANT GROVE  
PLEASANT GROVE CA 95668  
SUTTER  
**CONTACT:**

**REV:**  
**ID1:** CAT080015159  
**ID2:**  
**STATUS:**  
**PHONE:**

RCRIS : CAT080015159  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 147

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** DUNNIGAN  
**ADDRESS:** COUNTY ROAD 2  
DUNNIGAN CA 95695  
YOLO

**REV:** 04/09/08  
**ID1:** SWIS57-CR-0005  
**ID2:**  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**

**SITE OPERATOR INFORMATION:**

**Operator:** County Of Yolo Public Works Dept  
**Operator Address:** 292 West Beamer Street Woodland CA 95695  
**Permit Date:**  
**Permit Status:**  
**Land Use Name:** Rural, Residential, Agricultural  
**GIS Source for LAT and LONG:** GPS

**SITE ACTIVITY INFORMATION:**

**Activity:** Solid Waste Disposal Site  
**Accepted Waste:**  
**Operational Status:** Closed  
**Regulatory Status:** Unpermitted  
**Program Type:** 2136  
**Closure Date:** 10/1/1998  
**Closure Type:** Actual  
**Permitted Throughput with Units:** 0  
**Permitted Capacity with Units:** 0  
**Remaining Capacity with Units (landfills only):** 0  
**Permitted Total Acreage:** 0  
**Permitted Disposal Acreage:** 0  
**Last Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** Annual

**Activity:** Solid Waste Disposal Site  
**Accepted Waste:**  
**Operational Status:** Closed  
**Regulatory Status:** Unpermitted  
**Program Type:** 2136  
**Closure Date:** 10/1/1998  
**Closure Type:** Actual  
**Permitted Throughput with Units:** 0  
**Permitted Capacity with Units:** 0  
**Remaining Capacity with Units (landfills only):** 0  
**Permitted Total Acreage:** 0  
**Permitted Disposal Acreage:** 0  
**Last Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Original Tire Inspection Count:**  
**Last Tire Inspection Count Date:**  
**Inspection Frequency:** Annual

**SITE OWNER INFORMATION:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

SWL

**SEARCH ID:** 147

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** DUNNIGAN  
**ADDRESS:** COUNTY ROAD 2  
DUNNIGAN CA 95695  
YOLO

**REV:** 04/09/08  
**ID1:** SWIS57-CR-0005  
**ID2:**  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**

**Owner:** *County Of Yolo Public Works Dept*  
**Owner Phone:** 5306668852  
**Owner Address:** 292 West Beamer Street

# Environmental FirstSearch

## Site Detail Report

**Target Property:**

NORTH HIGHLANDS CA 95660

**JOB:** MBA101

### FINDS

<b>SEARCH ID:</b> 123	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> DELTA AIR LINES SACRAMENTO	<b>REV:</b> 7/10/07	
<b>ADDRESS:</b> SACRAMENTO AIRPORT	<b>ID1:</b> 110008274624	
SACRAMENTO CA 95837	<b>ID2:</b> CAD982011140	
SACRAMENTO	<b>STATUS:</b> FRS	
<b>CONTACT:</b>	<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110008274624
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		
<b>PROGRAM:</b>	HWTS-DATAMART	<b>PROGRAM ID:</b>	CAD982011140
<b>PROVIDED BY:</b>	STATE AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	HWTS-DATAMART
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	11/18/2004 5:57:01 PM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	STATE MASTER -		
<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	CAD982011140
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	RCRAINFO
<b>LAST REPORTED:</b>	7/6/1987	<b>LAST EXTRACTED:</b>	5/18/2004 2:47:38 PM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	NOT IN A UNIVERSE - THE HANDLER IS NOT CURRENTLY IN ANY HAZARDOUS WASTE UNIVERSE.		
<b>SITE TYPE:</b>	STATIONARY		
<b>INTEREST STATUS:</b>	ACTIVE		
<b>DATA QUALITY:</b>	V		
<b>LOCATION DESC:</b>			
<b>ADDRESS TYPE:</b>	IRREGULAR		
<b>LAST REPORTED:</b>			
<b>POSTED TO DATABASE:</b>	3/1/2000		
<b>DATA UPDATED:</b>	2/3/2005 10:35:16 AM		
<b>ENTERED PERSON/METHOD:</b>	ESZ		
<b>PARENT REG ID:</b>			
<b>CONFIDENCE IN ADDR:</b>	MEDIUM		
<b>ENFORCEMENT SENSITIVE:</b>	N		
<b>REQ MANUAL REVIEW:</b>			
<b>REASON MAN REVIEW:</b>			
<b>SMALL BUS POLICY:</b>			
<b>ENFORCEMENT ACTION:</b>			
<b>DATA PUB ACCESS:</b>	YES		
<b>INTERNAL SYS ID:</b>			
<b>FEDERAL FACILITY:</b>	NO		
<b>FEDERAL AGENCY:</b>			
<b>TRIBAL LAND:</b>	NO		

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** NORTH HIGHLANDS CA 95660

**JOB:** MBA101

FINDS

**SEARCH ID:** 123

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** DELTA AIR LINES SACRAMENTO  
**ADDRESS:** SACRAMENTO AIRPORT  
SACRAMENTO CA 95837  
SACRAMENTO

**REV:** 7/10/07  
**ID1:** 110008274624  
**ID2:** CAD982011140  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**

**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 03  
**LEGISLATIVE DIST:** 1  
**HYDROLOGICAL UNTIS:** 18020109  
**EPA REGION:** 09  
**AIRSHED:**  
**CENSUS BLOCK:**

## Appendix D: Historical Research Documentation

*Fire Insurance Maps*  
*Aerial Photographs*



## FIRE INSURANCE MAP ABSTRACT RESEARCH RESULTS

4/16/2008

MBA101

### NORTH HIGHLANDS, CA 95660

Listed below, please find the results of our search for historic fire insurance maps, performed in conjunction with your Environmental FirstSearch® report.

State	City	Date	Volume	Sheet Number(s)
California	Knights Landing	1930	none	1, 2
California	Zamora	1930	none	1
California	Knights Landing	1921	none	1, 2
California	Knights Landing	1907	none	1
California	Knights Landing	1897	none	1
California	Knights Landing	1894	none	1

This abstract is the result of a visual inspection of various Sanborn® Map collections. Supporting documentation follows in the Appendix. Use of this material is meant for research purposes only.

#### Copyright Policy Disclaimer

Certain Sanborn® Fire Insurance Maps are copyrighted material and may not be reproduced without the expressed permission of the Sanborn Map Company or other authorized third party distributors. Any reproduction of this material is covered under the copyright law of the United States (Title 17 U.S. Code) for which customer assumes all liability for the making of photocopies or other reproductions of copyrighted material. FirstSearch Technology Corporation warrants that it will employ its best efforts to maintain and deliver its information in an efficient and timely manner. Customer acknowledges that it understands that FirstSearch Technology Corporation obtains the above information from sources FirstSearch Technology Corporation considers reliable. However, THE WARRANTIES EXPRESSED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, either expressed or implied, including without limitation any implied warranty of merchantability or fitness or suitability for a particular purpose (whether or not FirstSearch Technology Corporation may know, have reason to know, or have been advised of such purpose), whether arising by law or by reason of industry custom or usage. ALL SUCH OTHER WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

*FirstSearch Technology Corporation*

*10 Cottage Street, Norwood, MA 02062  
Tel: 781-551-0470 Fax: 781-551-0471*

# Appendix

## Supporting Documentation



2-4/30-7/27-1/14/45 N O

EXPOS. 6.47

1-SHEETS

101

**KEY**

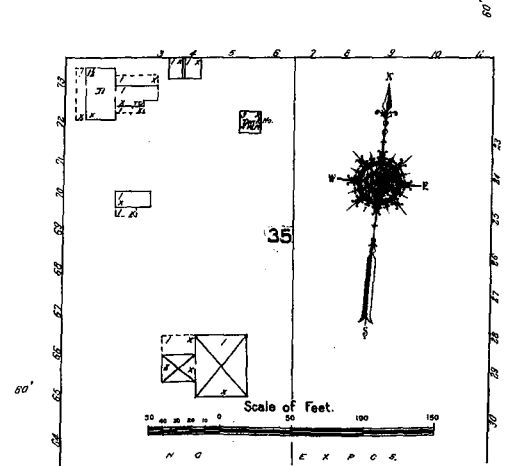
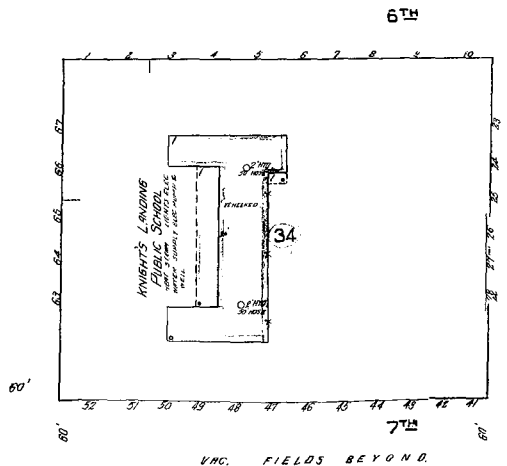
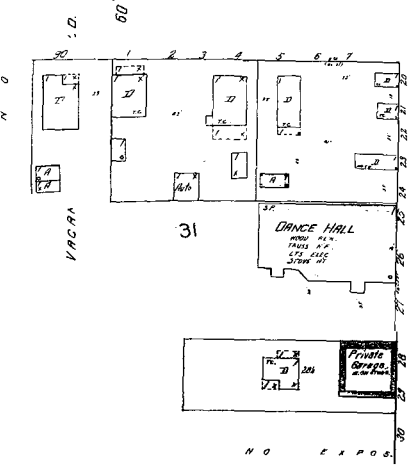
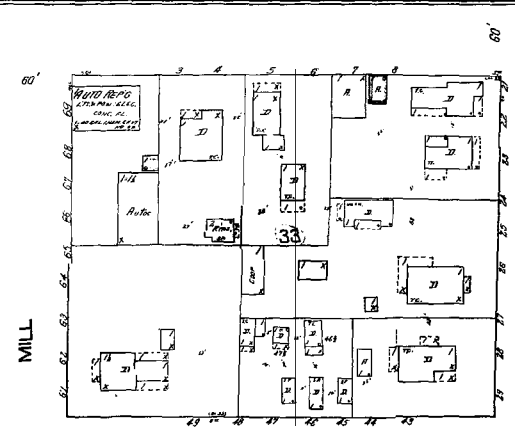
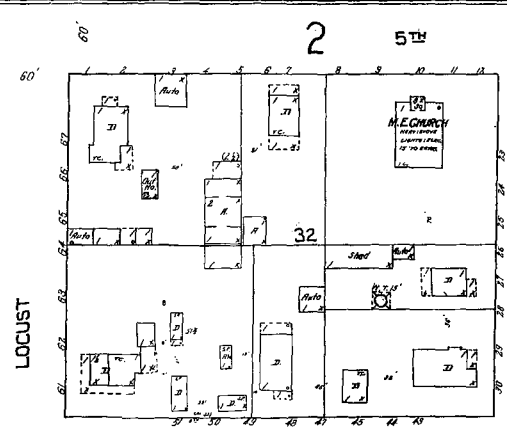
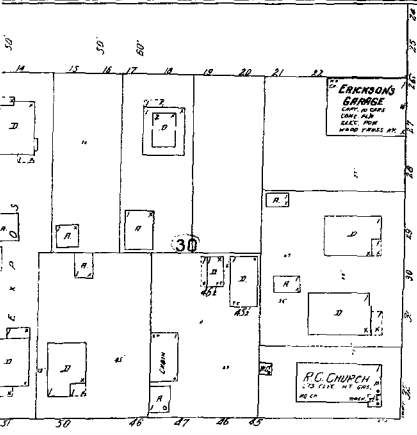
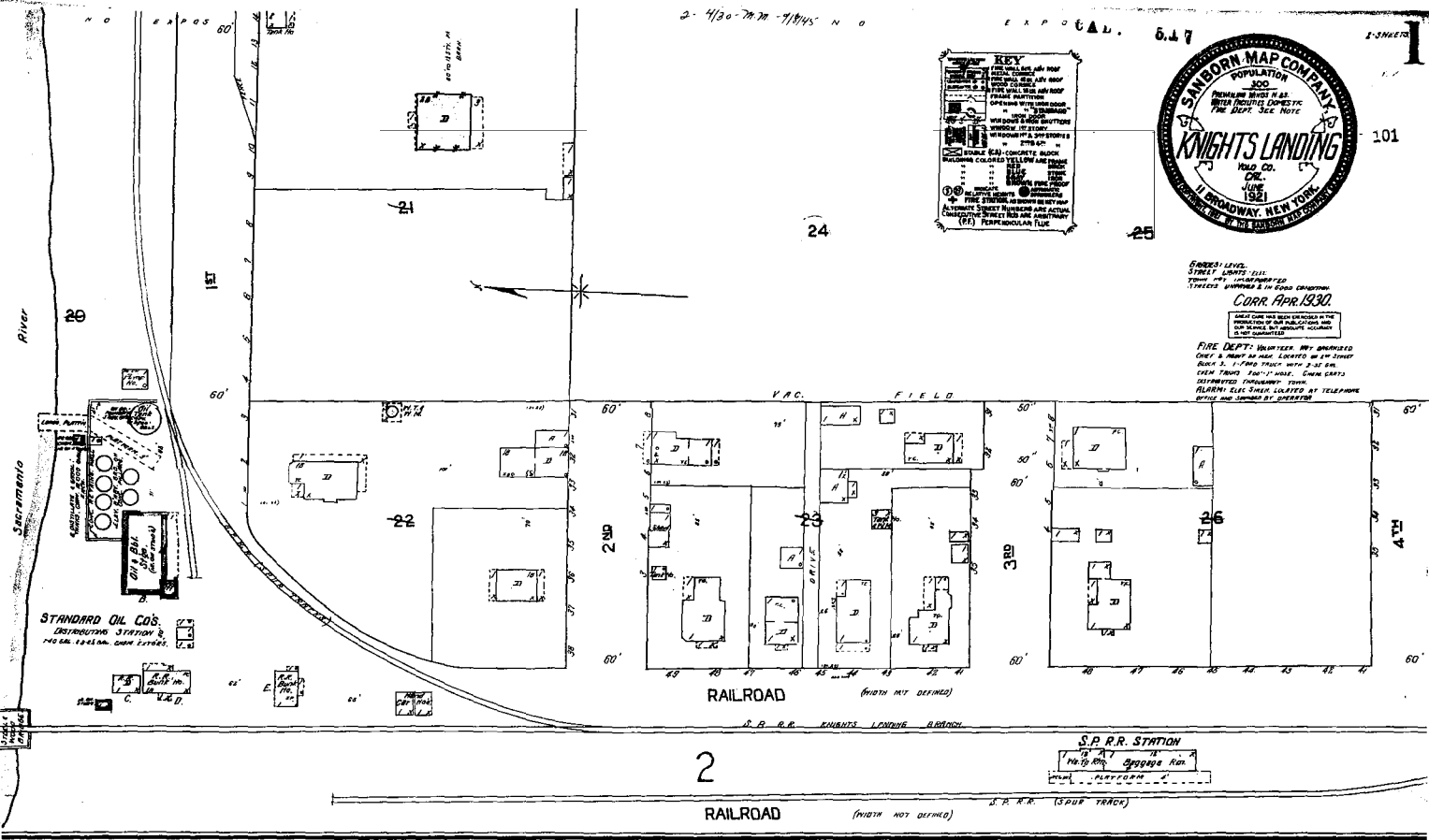
- 1. BRICK OR CONCRETE WALL AND ROOF
- 2. BRICK OR CONCRETE WALL AND ROOF
- 3. BRICK OR CONCRETE WALL AND ROOF
- 4. BRICK OR CONCRETE WALL AND ROOF
- 5. BRICK OR CONCRETE WALL AND ROOF
- 6. BRICK OR CONCRETE WALL AND ROOF
- 7. BRICK OR CONCRETE WALL AND ROOF
- 8. BRICK OR CONCRETE WALL AND ROOF
- 9. BRICK OR CONCRETE WALL AND ROOF
- 10. BRICK OR CONCRETE WALL AND ROOF
- 11. BRICK OR CONCRETE WALL AND ROOF
- 12. BRICK OR CONCRETE WALL AND ROOF
- 13. BRICK OR CONCRETE WALL AND ROOF
- 14. BRICK OR CONCRETE WALL AND ROOF
- 15. BRICK OR CONCRETE WALL AND ROOF
- 16. BRICK OR CONCRETE WALL AND ROOF
- 17. BRICK OR CONCRETE WALL AND ROOF
- 18. BRICK OR CONCRETE WALL AND ROOF
- 19. BRICK OR CONCRETE WALL AND ROOF
- 20. BRICK OR CONCRETE WALL AND ROOF
- 21. BRICK OR CONCRETE WALL AND ROOF
- 22. BRICK OR CONCRETE WALL AND ROOF
- 23. BRICK OR CONCRETE WALL AND ROOF
- 24. BRICK OR CONCRETE WALL AND ROOF
- 25. BRICK OR CONCRETE WALL AND ROOF
- 26. BRICK OR CONCRETE WALL AND ROOF
- 27. BRICK OR CONCRETE WALL AND ROOF
- 28. BRICK OR CONCRETE WALL AND ROOF
- 29. BRICK OR CONCRETE WALL AND ROOF
- 30. BRICK OR CONCRETE WALL AND ROOF
- 31. BRICK OR CONCRETE WALL AND ROOF
- 32. BRICK OR CONCRETE WALL AND ROOF
- 33. BRICK OR CONCRETE WALL AND ROOF
- 34. BRICK OR CONCRETE WALL AND ROOF
- 35. BRICK OR CONCRETE WALL AND ROOF
- 36. BRICK OR CONCRETE WALL AND ROOF
- 37. BRICK OR CONCRETE WALL AND ROOF
- 38. BRICK OR CONCRETE WALL AND ROOF
- 39. BRICK OR CONCRETE WALL AND ROOF
- 40. BRICK OR CONCRETE WALL AND ROOF
- 41. BRICK OR CONCRETE WALL AND ROOF
- 42. BRICK OR CONCRETE WALL AND ROOF
- 43. BRICK OR CONCRETE WALL AND ROOF
- 44. BRICK OR CONCRETE WALL AND ROOF
- 45. BRICK OR CONCRETE WALL AND ROOF
- 46. BRICK OR CONCRETE WALL AND ROOF
- 47. BRICK OR CONCRETE WALL AND ROOF
- 48. BRICK OR CONCRETE WALL AND ROOF
- 49. BRICK OR CONCRETE WALL AND ROOF
- 50. BRICK OR CONCRETE WALL AND ROOF
- 51. BRICK OR CONCRETE WALL AND ROOF
- 52. BRICK OR CONCRETE WALL AND ROOF
- 53. BRICK OR CONCRETE WALL AND ROOF
- 54. BRICK OR CONCRETE WALL AND ROOF
- 55. BRICK OR CONCRETE WALL AND ROOF
- 56. BRICK OR CONCRETE WALL AND ROOF
- 57. BRICK OR CONCRETE WALL AND ROOF
- 58. BRICK OR CONCRETE WALL AND ROOF
- 59. BRICK OR CONCRETE WALL AND ROOF
- 60. BRICK OR CONCRETE WALL AND ROOF
- 61. BRICK OR CONCRETE WALL AND ROOF
- 62. BRICK OR CONCRETE WALL AND ROOF
- 63. BRICK OR CONCRETE WALL AND ROOF
- 64. BRICK OR CONCRETE WALL AND ROOF
- 65. BRICK OR CONCRETE WALL AND ROOF
- 66. BRICK OR CONCRETE WALL AND ROOF
- 67. BRICK OR CONCRETE WALL AND ROOF
- 68. BRICK OR CONCRETE WALL AND ROOF
- 69. BRICK OR CONCRETE WALL AND ROOF
- 70. BRICK OR CONCRETE WALL AND ROOF
- 71. BRICK OR CONCRETE WALL AND ROOF
- 72. BRICK OR CONCRETE WALL AND ROOF
- 73. BRICK OR CONCRETE WALL AND ROOF
- 74. BRICK OR CONCRETE WALL AND ROOF
- 75. BRICK OR CONCRETE WALL AND ROOF
- 76. BRICK OR CONCRETE WALL AND ROOF
- 77. BRICK OR CONCRETE WALL AND ROOF
- 78. BRICK OR CONCRETE WALL AND ROOF
- 79. BRICK OR CONCRETE WALL AND ROOF
- 80. BRICK OR CONCRETE WALL AND ROOF
- 81. BRICK OR CONCRETE WALL AND ROOF
- 82. BRICK OR CONCRETE WALL AND ROOF
- 83. BRICK OR CONCRETE WALL AND ROOF
- 84. BRICK OR CONCRETE WALL AND ROOF
- 85. BRICK OR CONCRETE WALL AND ROOF
- 86. BRICK OR CONCRETE WALL AND ROOF
- 87. BRICK OR CONCRETE WALL AND ROOF
- 88. BRICK OR CONCRETE WALL AND ROOF
- 89. BRICK OR CONCRETE WALL AND ROOF
- 90. BRICK OR CONCRETE WALL AND ROOF
- 91. BRICK OR CONCRETE WALL AND ROOF
- 92. BRICK OR CONCRETE WALL AND ROOF
- 93. BRICK OR CONCRETE WALL AND ROOF
- 94. BRICK OR CONCRETE WALL AND ROOF
- 95. BRICK OR CONCRETE WALL AND ROOF
- 96. BRICK OR CONCRETE WALL AND ROOF
- 97. BRICK OR CONCRETE WALL AND ROOF
- 98. BRICK OR CONCRETE WALL AND ROOF
- 99. BRICK OR CONCRETE WALL AND ROOF
- 100. BRICK OR CONCRETE WALL AND ROOF



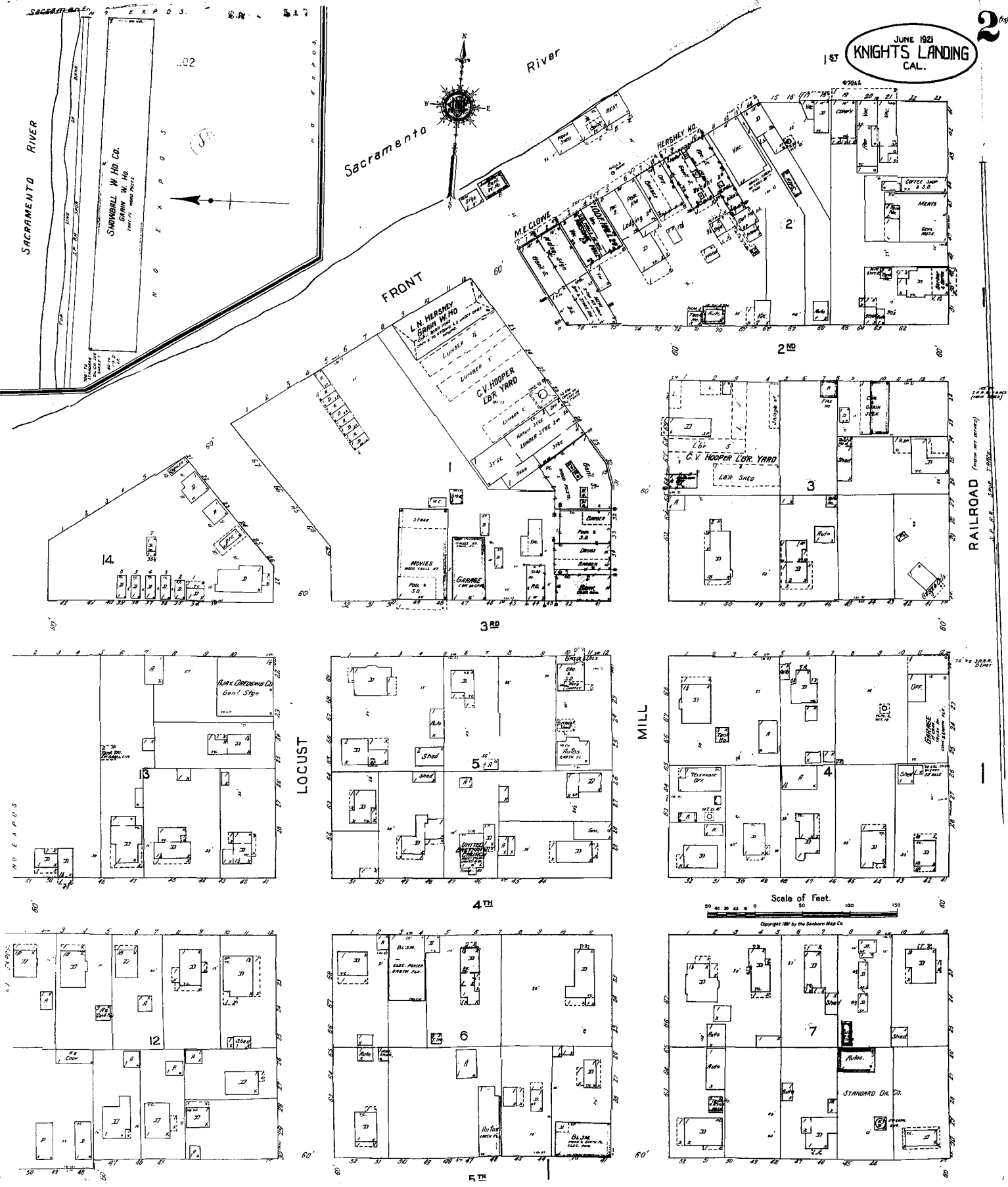
STREETS LINED  
STREET LIGHTS 1/11  
TRUCKS, AUTO, MOTORCYCLES  
STREETS IMPROVED & IN GOOD CONDITION  
CORR APR 1930

GENERAL NOTE: THIS MAP WAS MADE BY THE STANDARD MAP COMPANY IN THE MONTHS OF APRIL AND MAY, 1921, AND IS NOT GUARANTEED TO BE ACCURATE IN ALL PARTICULARS.

FIRE DEPT: KNIGHTS LANDING FIRE DEPARTMENT  
ONLY 10 FEET IN FRONT LOCATED ON 1ST STREET  
BUS 1, 1-1/2 FEET TRUCK WITH 2-1/2 FEET  
FROM FRONT 2-1/2 FEET WALK. CURB CUTS  
DELIMITED IMPROVEMENT TOWN  
ALARM: BLUE TRAIL LOCATED AT TELEPHONE  
OFFICE AND LAMPED BY BATTERY



JUNE 1921  
KNIGHTS LANDING  
CAL.



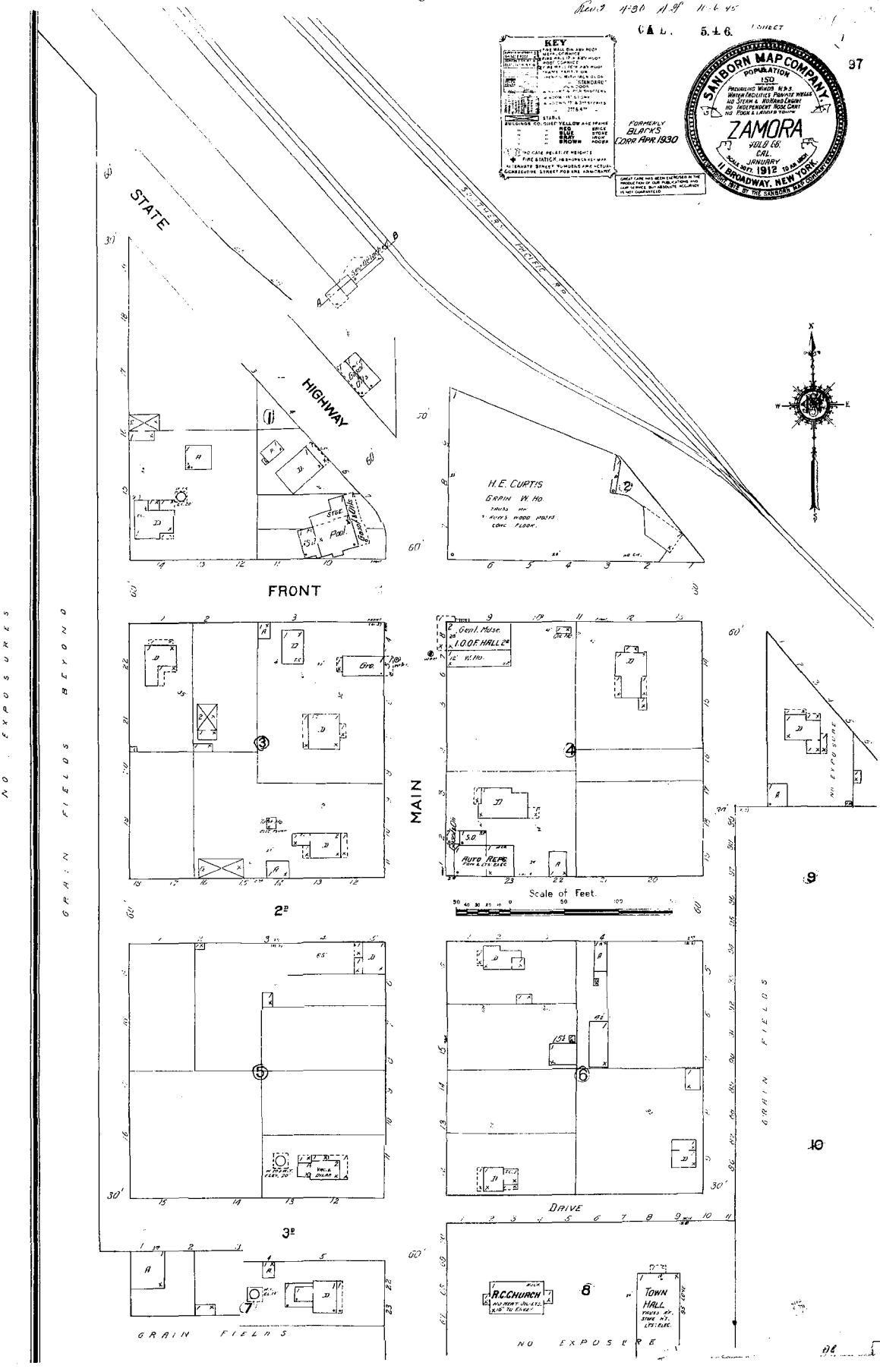
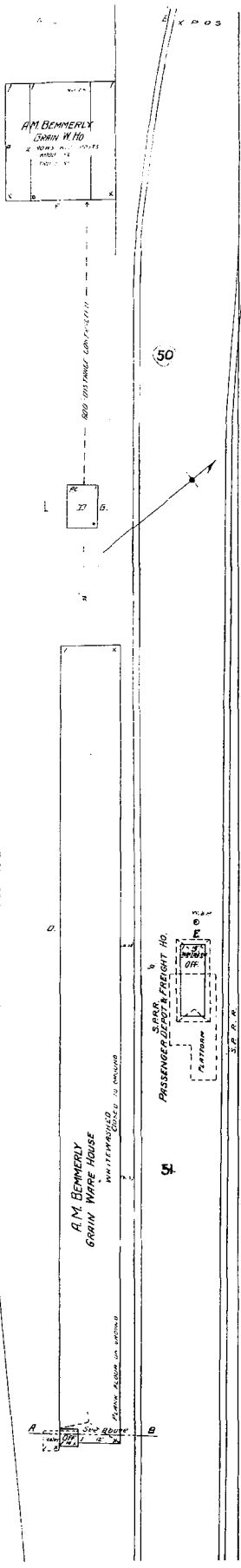
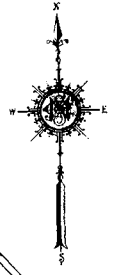
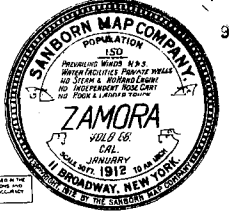
REV. 4-30 A 9 11-6-45

C.A.L. 5.4.6. 1 SHEET

37

**KEY**

- ALL WALLS AND ROOF
- CONCRETE
- BRICK
- WOOD
- GLASS
- PAVEMENT
- IRON
- STEEL
- ASBESTOS
- PLASTER
- PAINT
- CEILING
- FLOORING
- ROOFING
- INSULATION
- FOUNDATION
- SEWER
- WATER
- ELECTRICAL
- PLUMBING
- MECHANICAL
- HEATING
- Cooling
- Lighting
- Sound
- Vibration
- Fire
- Smoke
- Gas
- Oil
- Electric
- Magnetic
- Radio
- Television
- Telephone
- Post
- Mail
- Police
- Fire
- Police
- Fire
- Police
- Fire
- Police



OCT 27 1921



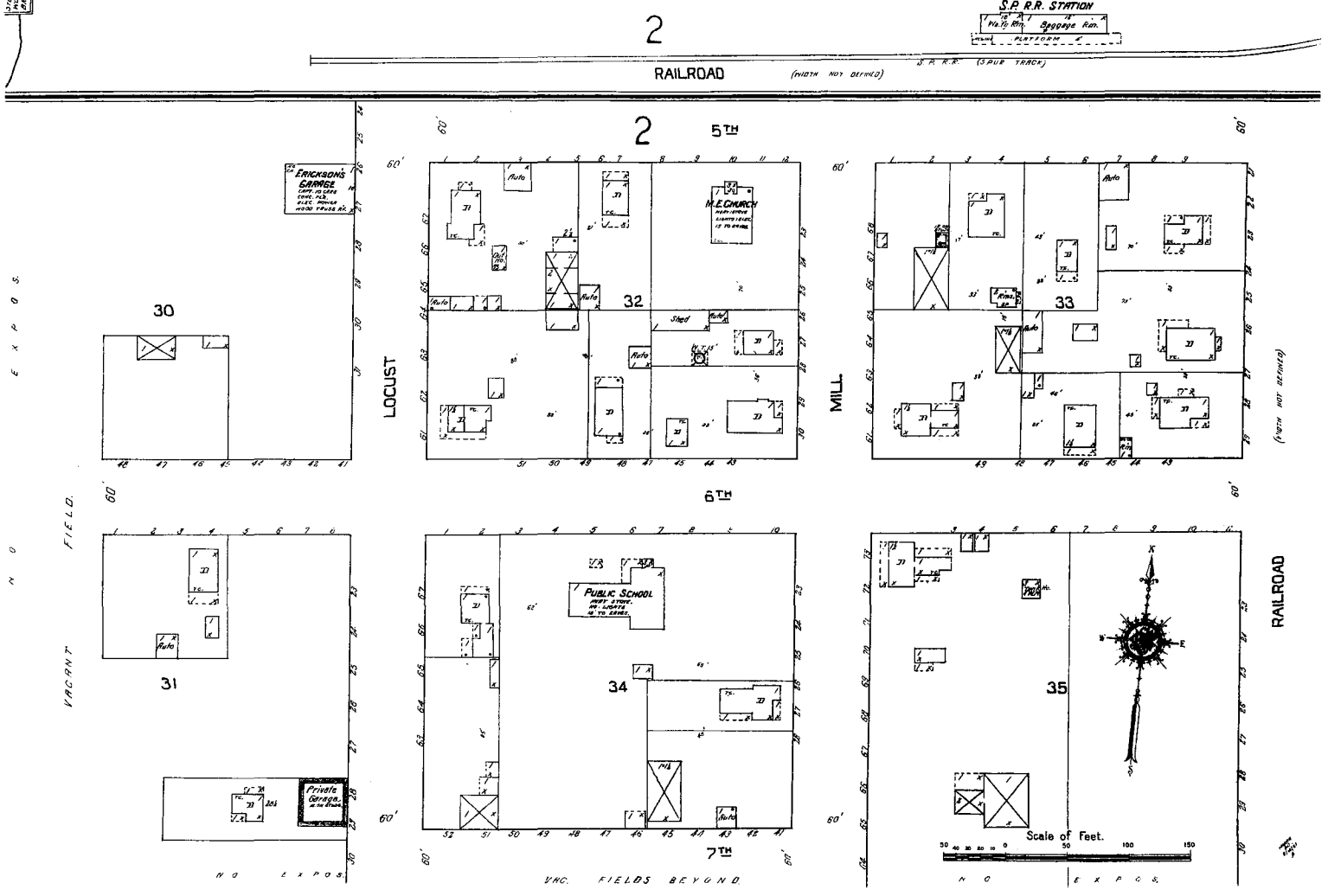
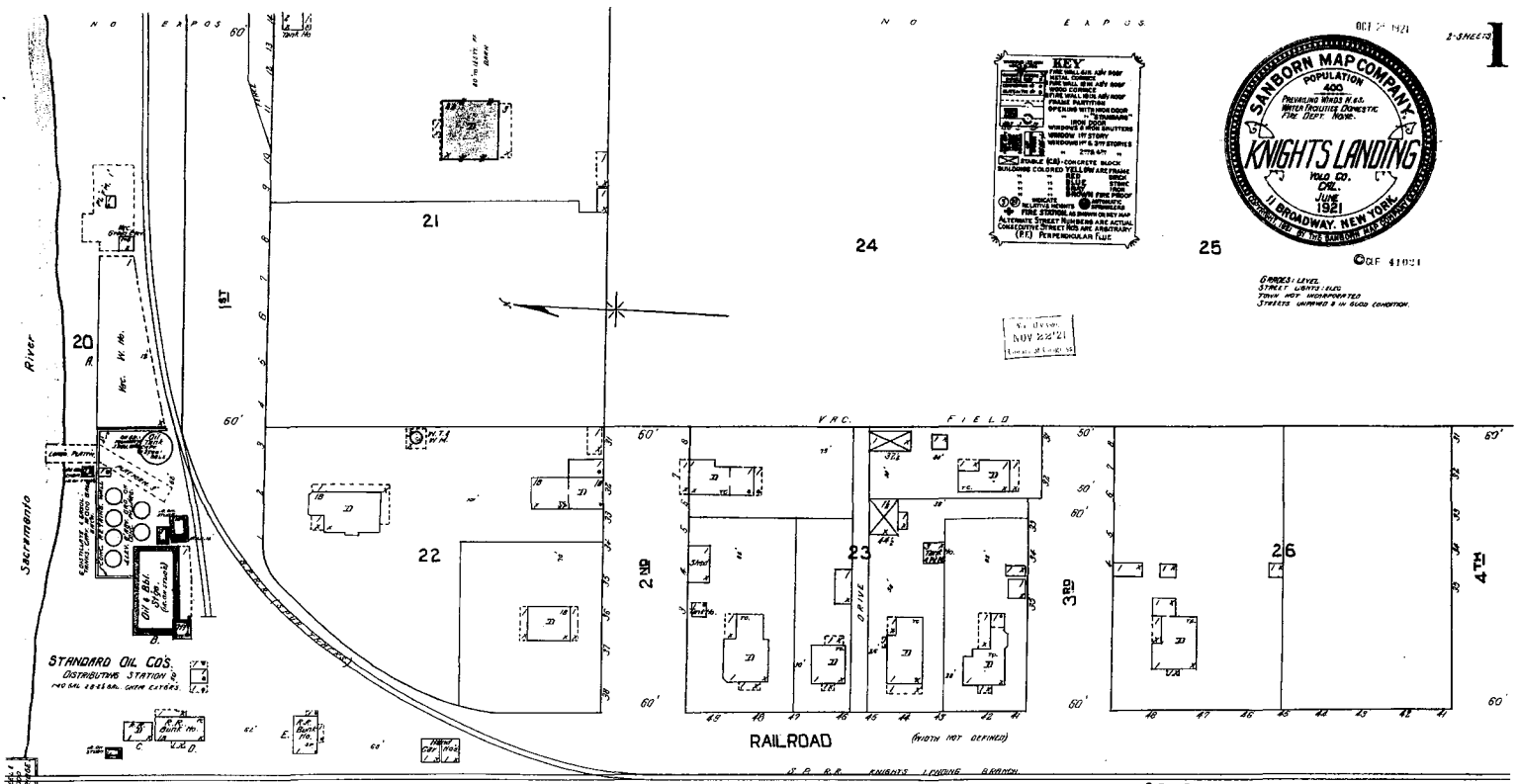
**KEY**

- (1) CONCRETE AND BRICK
- (2) CONCRETE BLOCK
- (3) BRICK
- (4) WOOD
- (5) WOOD AND BRICK
- (6) WOOD AND CONCRETE
- (7) WOOD AND METAL
- (8) WOOD AND GLASS
- (9) WOOD AND CEMENT
- (10) WOOD AND PLASTER
- (11) WOOD AND STONE
- (12) WOOD AND TERRAZZO
- (13) WOOD AND MARBLE
- (14) WOOD AND GYPSUM
- (15) WOOD AND PLASTER
- (16) WOOD AND STONE
- (17) WOOD AND TERRAZZO
- (18) WOOD AND MARBLE
- (19) WOOD AND GYPSUM
- (20) WOOD AND PLASTER
- (21) WOOD AND STONE
- (22) WOOD AND TERRAZZO
- (23) WOOD AND MARBLE
- (24) WOOD AND GYPSUM
- (25) WOOD AND PLASTER
- (26) WOOD AND STONE
- (27) WOOD AND TERRAZZO
- (28) WOOD AND MARBLE
- (29) WOOD AND GYPSUM
- (30) WOOD AND PLASTER
- (31) WOOD AND STONE
- (32) WOOD AND TERRAZZO
- (33) WOOD AND MARBLE
- (34) WOOD AND GYPSUM
- (35) WOOD AND PLASTER
- (36) WOOD AND STONE
- (37) WOOD AND TERRAZZO
- (38) WOOD AND MARBLE
- (39) WOOD AND GYPSUM
- (40) WOOD AND PLASTER
- (41) WOOD AND STONE
- (42) WOOD AND TERRAZZO
- (43) WOOD AND MARBLE
- (44) WOOD AND GYPSUM
- (45) WOOD AND PLASTER
- (46) WOOD AND STONE
- (47) WOOD AND TERRAZZO
- (48) WOOD AND MARBLE
- (49) WOOD AND GYPSUM
- (50) WOOD AND PLASTER
- (51) WOOD AND STONE
- (52) WOOD AND TERRAZZO
- (53) WOOD AND MARBLE
- (54) WOOD AND GYPSUM
- (55) WOOD AND PLASTER
- (56) WOOD AND STONE
- (57) WOOD AND TERRAZZO
- (58) WOOD AND MARBLE
- (59) WOOD AND GYPSUM
- (60) WOOD AND PLASTER
- (61) WOOD AND STONE
- (62) WOOD AND TERRAZZO
- (63) WOOD AND MARBLE
- (64) WOOD AND GYPSUM
- (65) WOOD AND PLASTER
- (66) WOOD AND STONE
- (67) WOOD AND TERRAZZO
- (68) WOOD AND MARBLE
- (69) WOOD AND GYPSUM
- (70) WOOD AND PLASTER
- (71) WOOD AND STONE
- (72) WOOD AND TERRAZZO
- (73) WOOD AND MARBLE
- (74) WOOD AND GYPSUM
- (75) WOOD AND PLASTER
- (76) WOOD AND STONE
- (77) WOOD AND TERRAZZO
- (78) WOOD AND MARBLE
- (79) WOOD AND GYPSUM
- (80) WOOD AND PLASTER
- (81) WOOD AND STONE
- (82) WOOD AND TERRAZZO
- (83) WOOD AND MARBLE
- (84) WOOD AND GYPSUM
- (85) WOOD AND PLASTER
- (86) WOOD AND STONE
- (87) WOOD AND TERRAZZO
- (88) WOOD AND MARBLE
- (89) WOOD AND GYPSUM
- (90) WOOD AND PLASTER
- (91) WOOD AND STONE
- (92) WOOD AND TERRAZZO
- (93) WOOD AND MARBLE
- (94) WOOD AND GYPSUM
- (95) WOOD AND PLASTER
- (96) WOOD AND STONE
- (97) WOOD AND TERRAZZO
- (98) WOOD AND MARBLE
- (99) WOOD AND GYPSUM
- (100) WOOD AND PLASTER

25

GRADES LEVEL  
STREET LIGHTS PLUS  
TIES AND HOUSING  
STREETS SHOWN IN GOOD CONDITION

NOV 22 1921

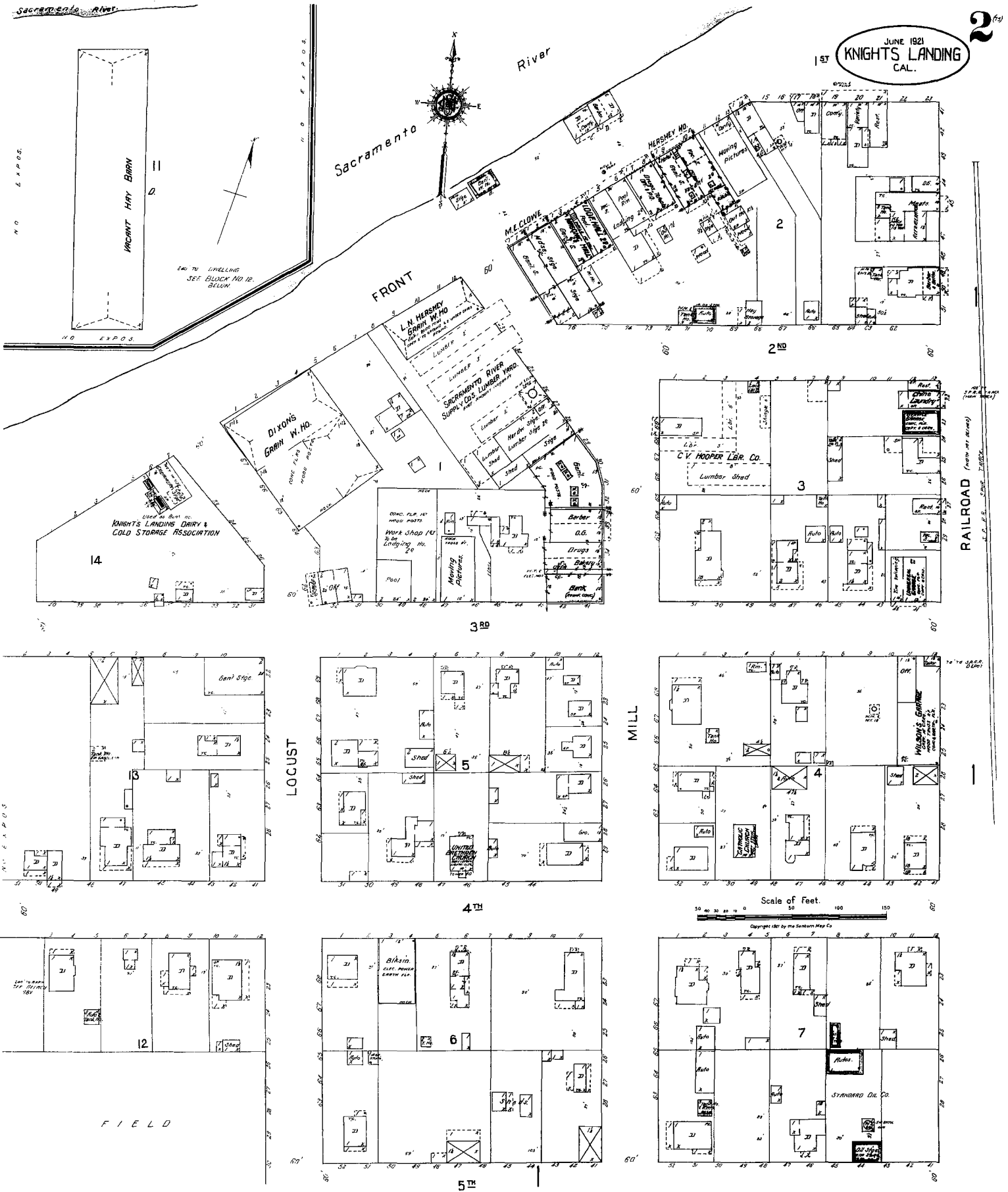


Sacramento River

Sacramento River

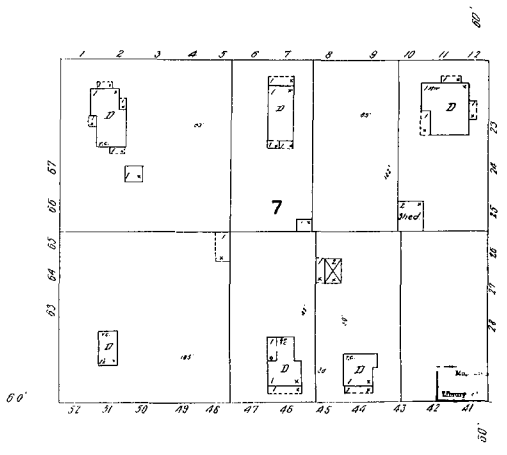
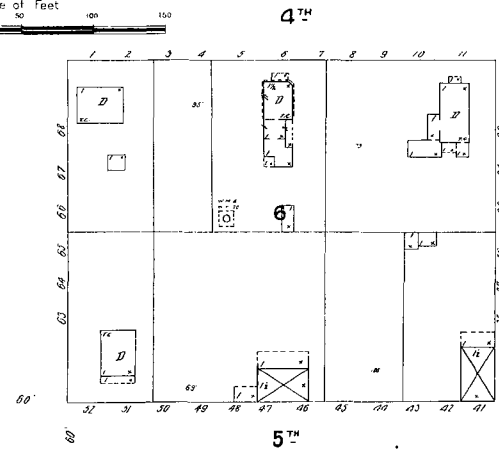
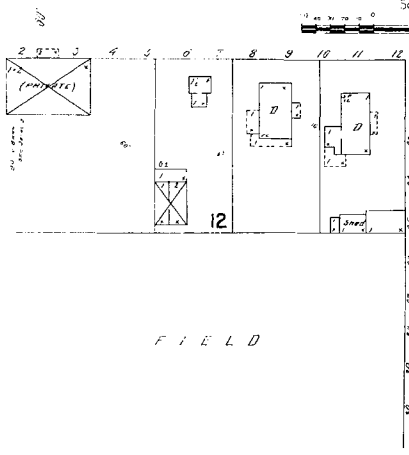
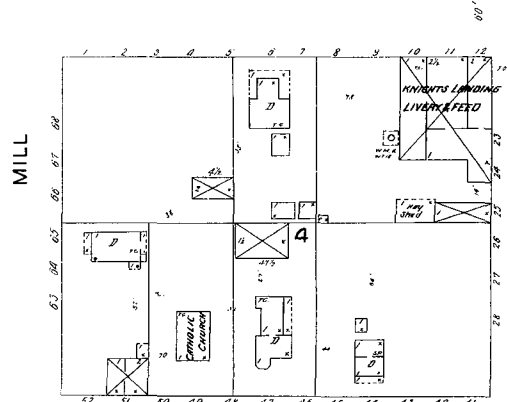
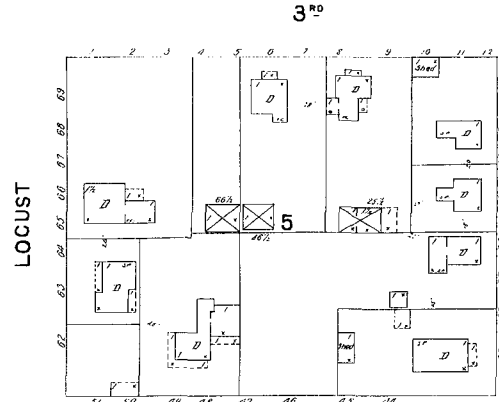
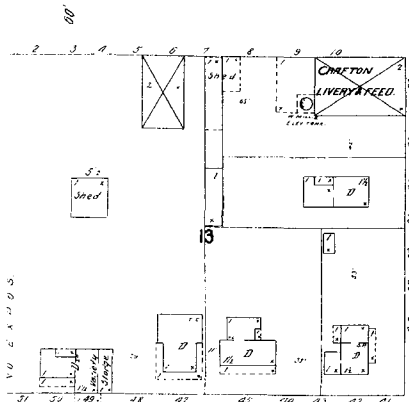
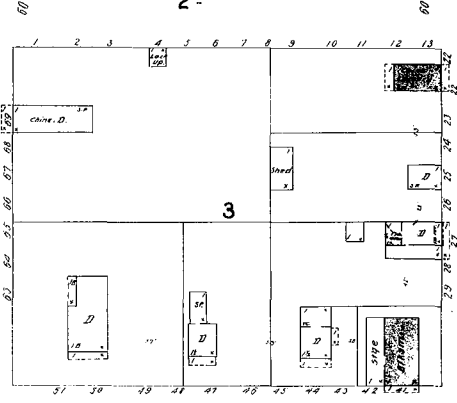
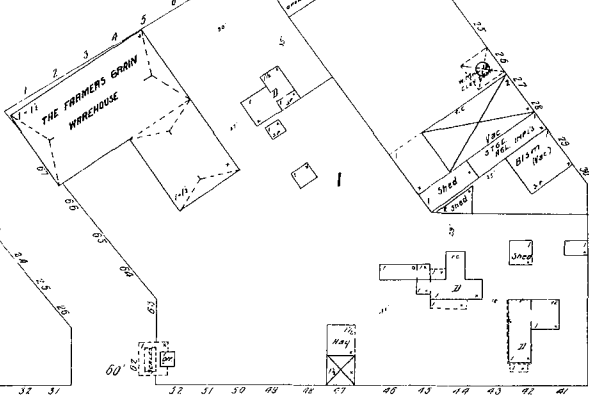
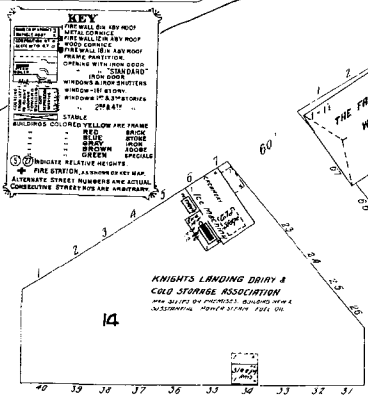
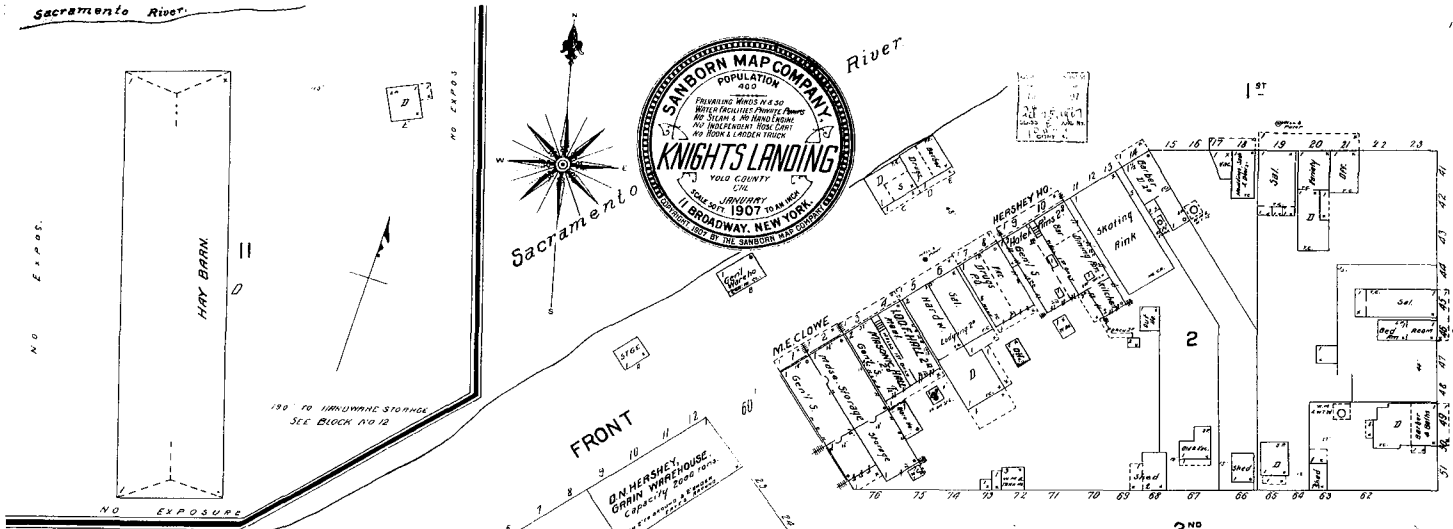
JUNE 1921  
KNIGHTS LANDING  
CAL.

2

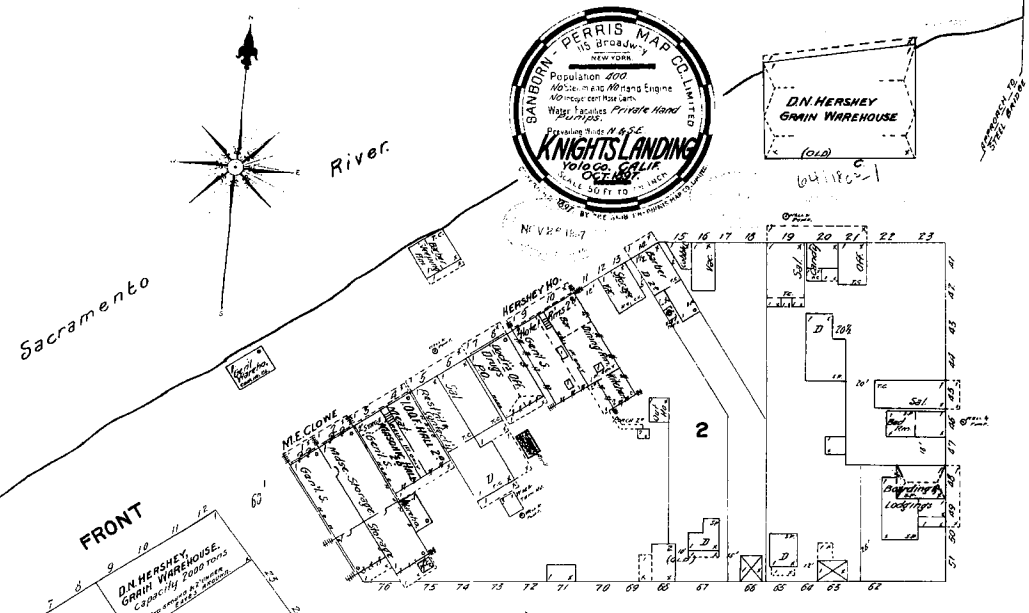
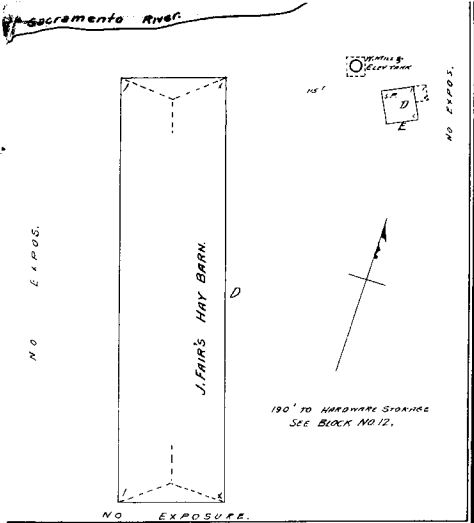


Sacramento River

1 SHEET

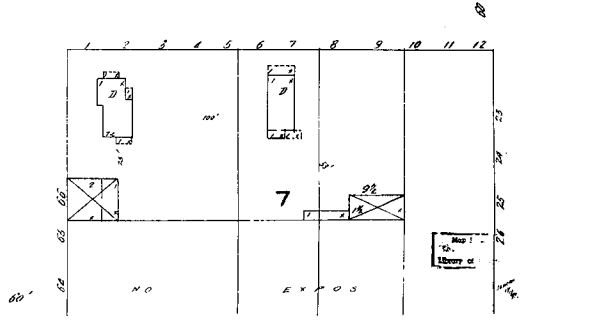
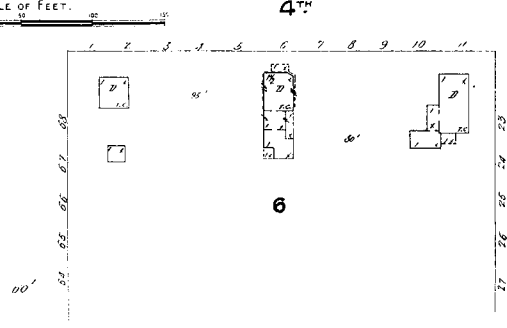
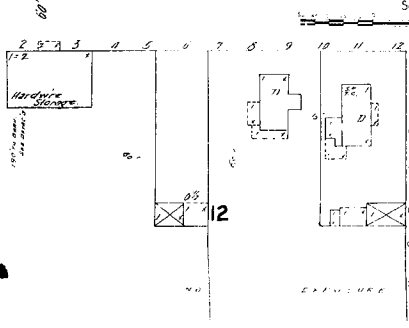
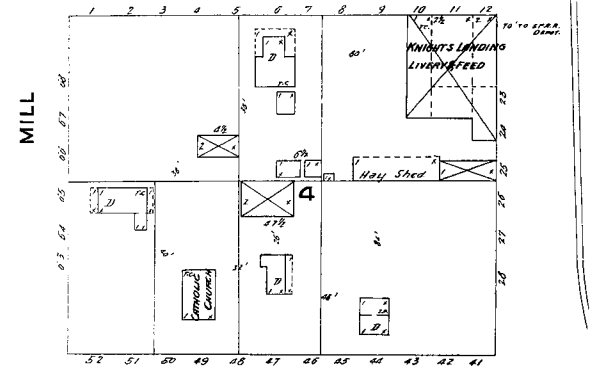
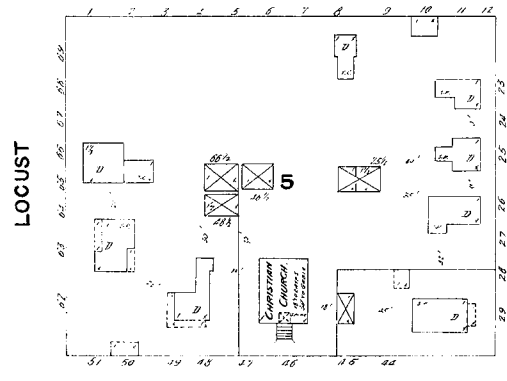
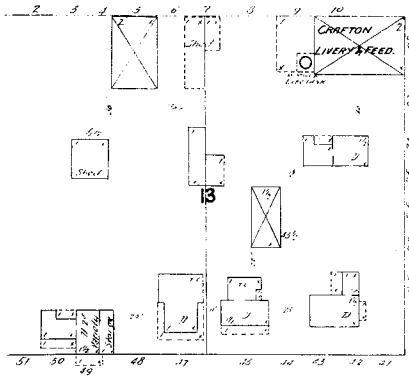
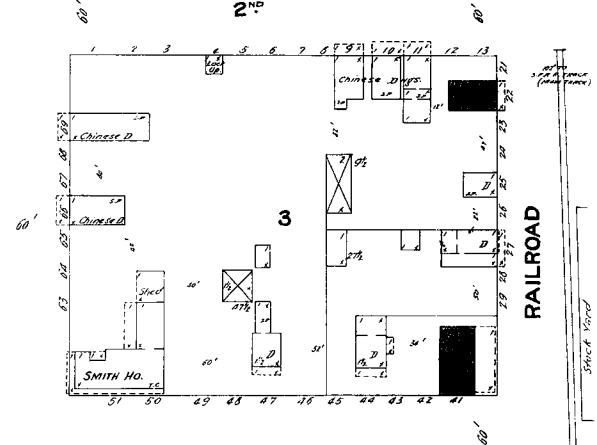
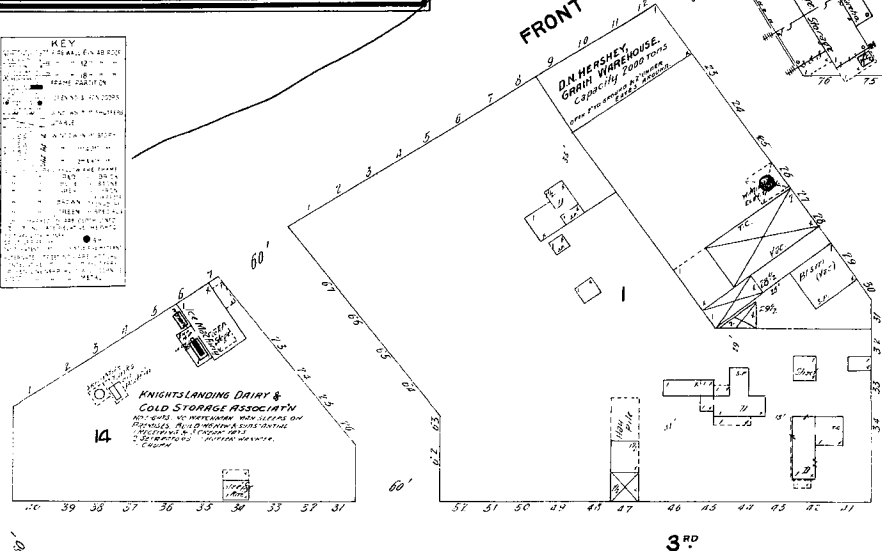


Scale of Feet  
0 50 100



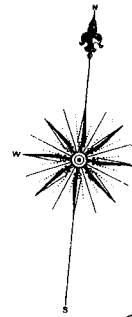
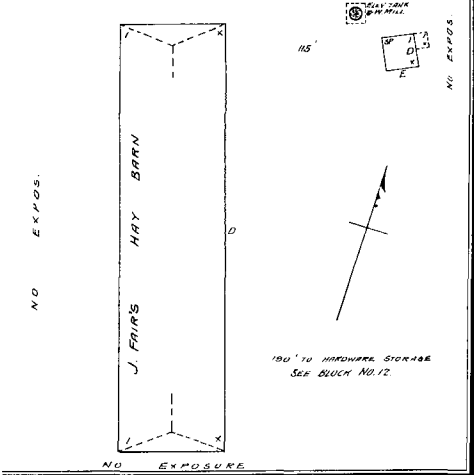
**KEY**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----



SCALE OF FEET.

Sacramento River 16990

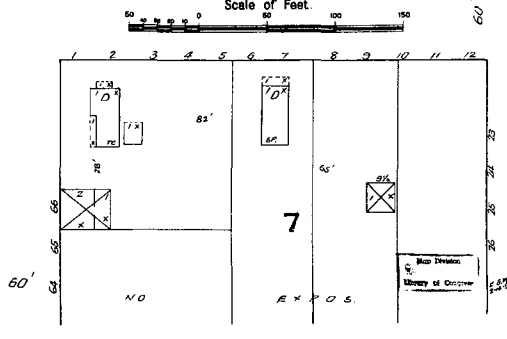
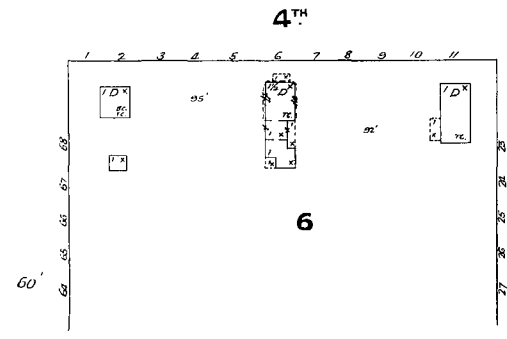
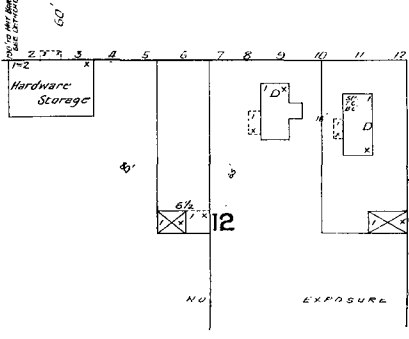
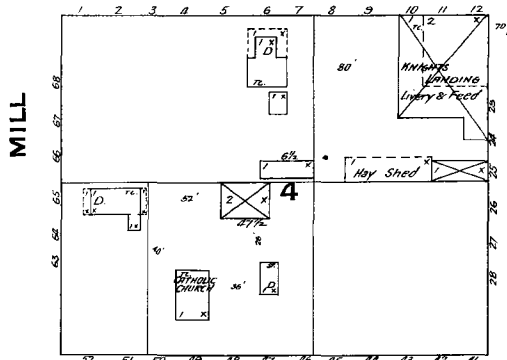
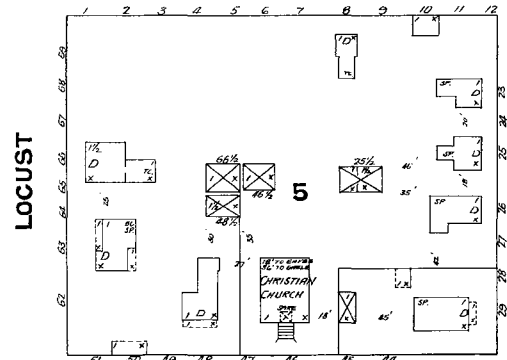
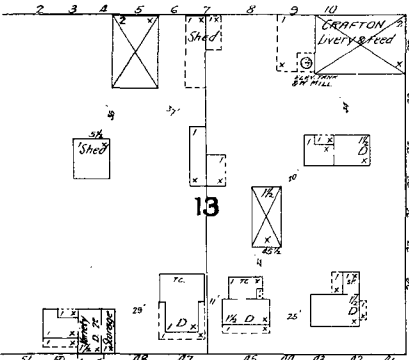
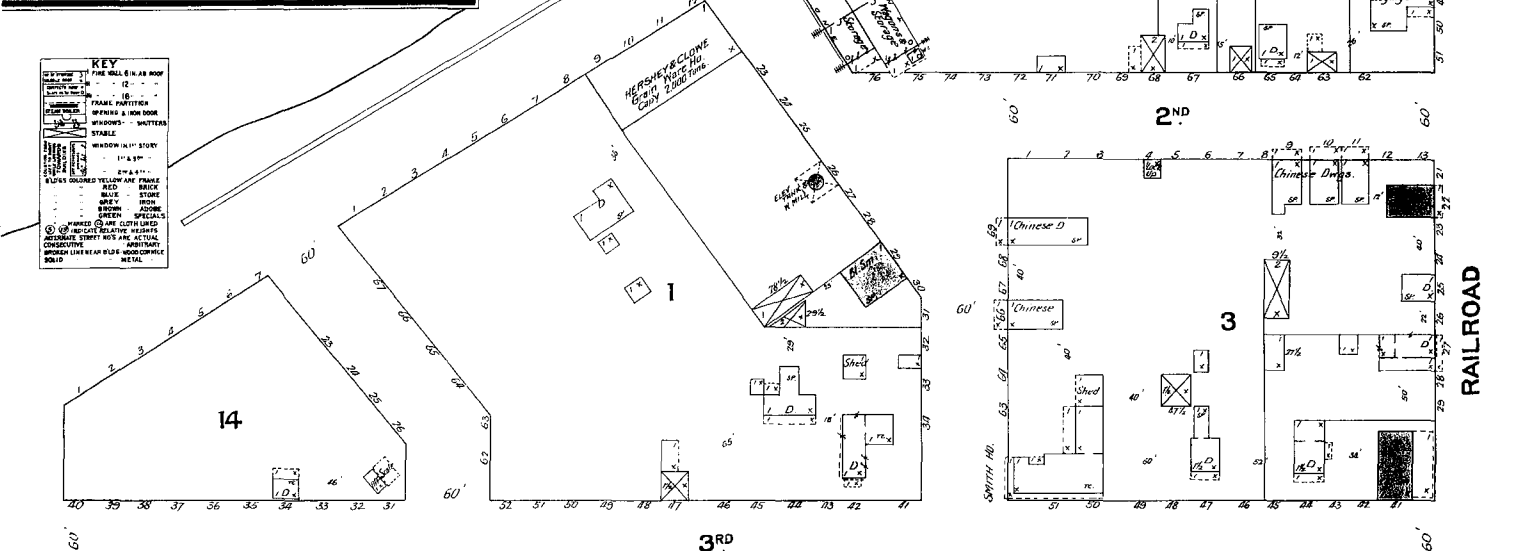


Sacramento River  
PIERCE'S STORE HOUSE  
SOME TRACE OF S.P.R.R.



THE COPY REL TO HAND IN  
JUN 18 1894  
HERSHEY & CLOWE  
Grain Ware No  
(C. & O.)

- KEY**
- 1 FINE WALL IN AIR ROOF
  - 2 2" x 4" STUDS
  - 3 2" x 6" STUDS
  - 4 2" x 8" STUDS
  - 5 2" x 10" STUDS
  - 6 2" x 12" STUDS
  - 7 2" x 14" STUDS
  - 8 2" x 16" STUDS
  - 9 2" x 18" STUDS
  - 10 2" x 20" STUDS
  - 11 2" x 22" STUDS
  - 12 2" x 24" STUDS
  - 13 2" x 26" STUDS
  - 14 2" x 28" STUDS
  - 15 2" x 30" STUDS
  - 16 2" x 32" STUDS
  - 17 2" x 34" STUDS
  - 18 2" x 36" STUDS
  - 19 2" x 38" STUDS
  - 20 2" x 40" STUDS
  - 21 2" x 42" STUDS
  - 22 2" x 44" STUDS
  - 23 2" x 46" STUDS
  - 24 2" x 48" STUDS
  - 25 2" x 50" STUDS
  - 26 2" x 52" STUDS
  - 27 2" x 54" STUDS
  - 28 2" x 56" STUDS
  - 29 2" x 58" STUDS
  - 30 2" x 60" STUDS
  - 31 2" x 62" STUDS
  - 32 2" x 64" STUDS
  - 33 2" x 66" STUDS
  - 34 2" x 68" STUDS
  - 35 2" x 70" STUDS
  - 36 2" x 72" STUDS
  - 37 2" x 74" STUDS
  - 38 2" x 76" STUDS
  - 39 2" x 78" STUDS
  - 40 2" x 80" STUDS
  - 41 2" x 82" STUDS
  - 42 2" x 84" STUDS
  - 43 2" x 86" STUDS
  - 44 2" x 88" STUDS
  - 45 2" x 90" STUDS
  - 46 2" x 92" STUDS
  - 47 2" x 94" STUDS
  - 48 2" x 96" STUDS
  - 49 2" x 98" STUDS
  - 50 2" x 100" STUDS
  - 51 2" x 102" STUDS
  - 52 2" x 104" STUDS
  - 53 2" x 106" STUDS
  - 54 2" x 108" STUDS
  - 55 2" x 110" STUDS
  - 56 2" x 112" STUDS
  - 57 2" x 114" STUDS
  - 58 2" x 116" STUDS
  - 59 2" x 118" STUDS
  - 60 2" x 120" STUDS



Scale of Feet.  
0 50 100 150













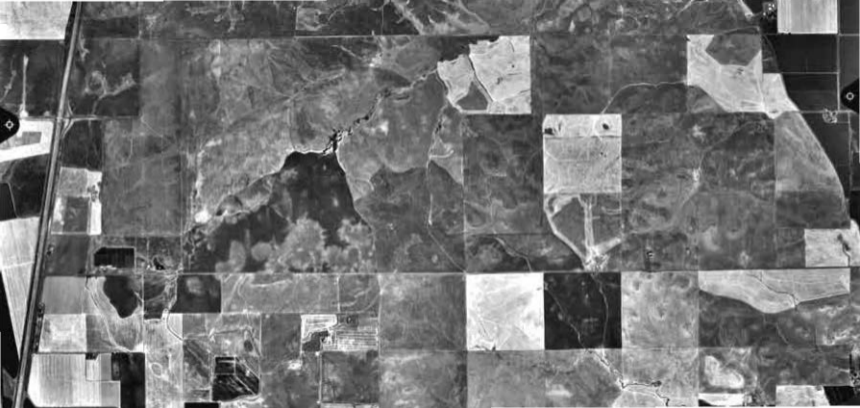










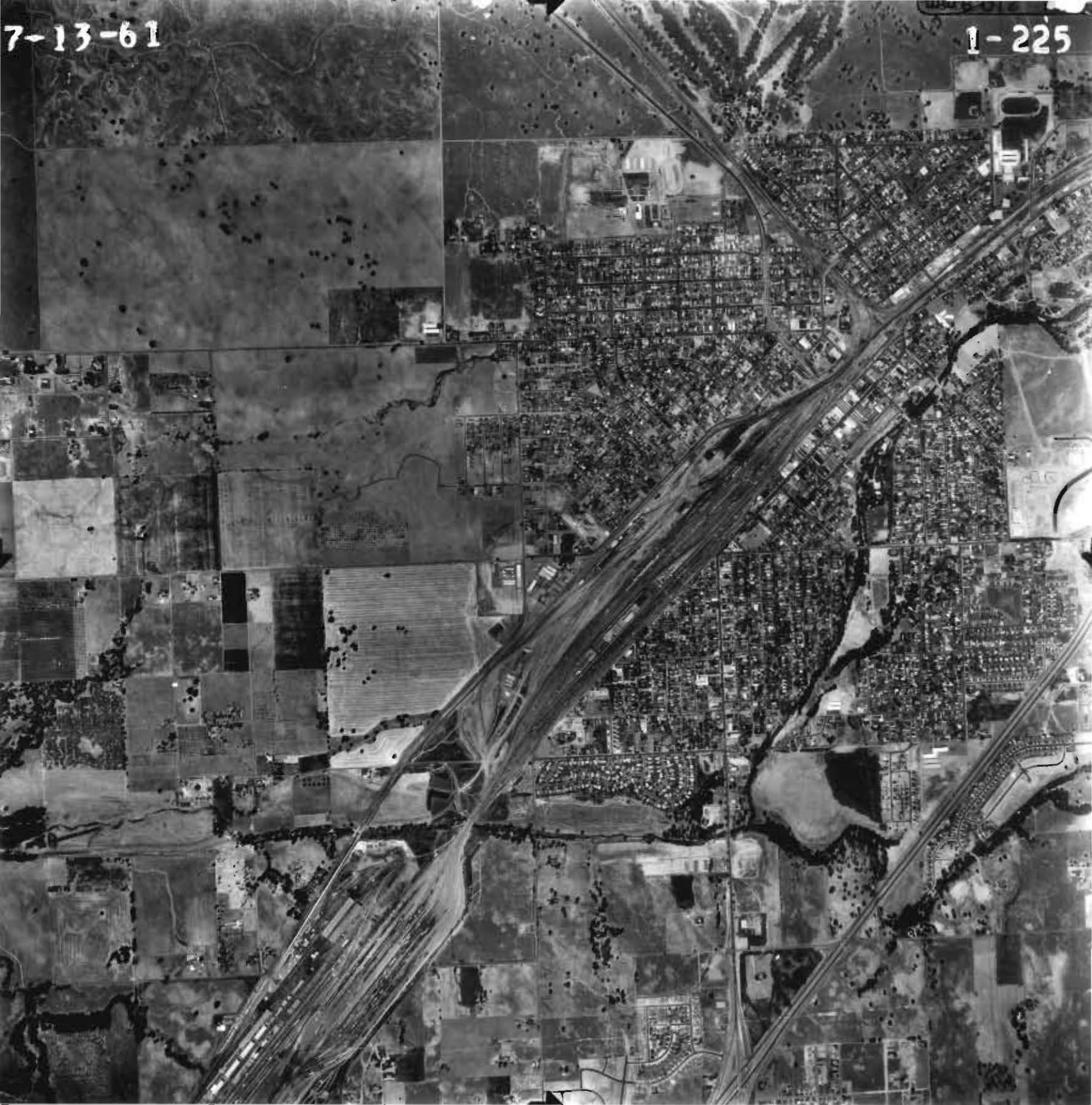






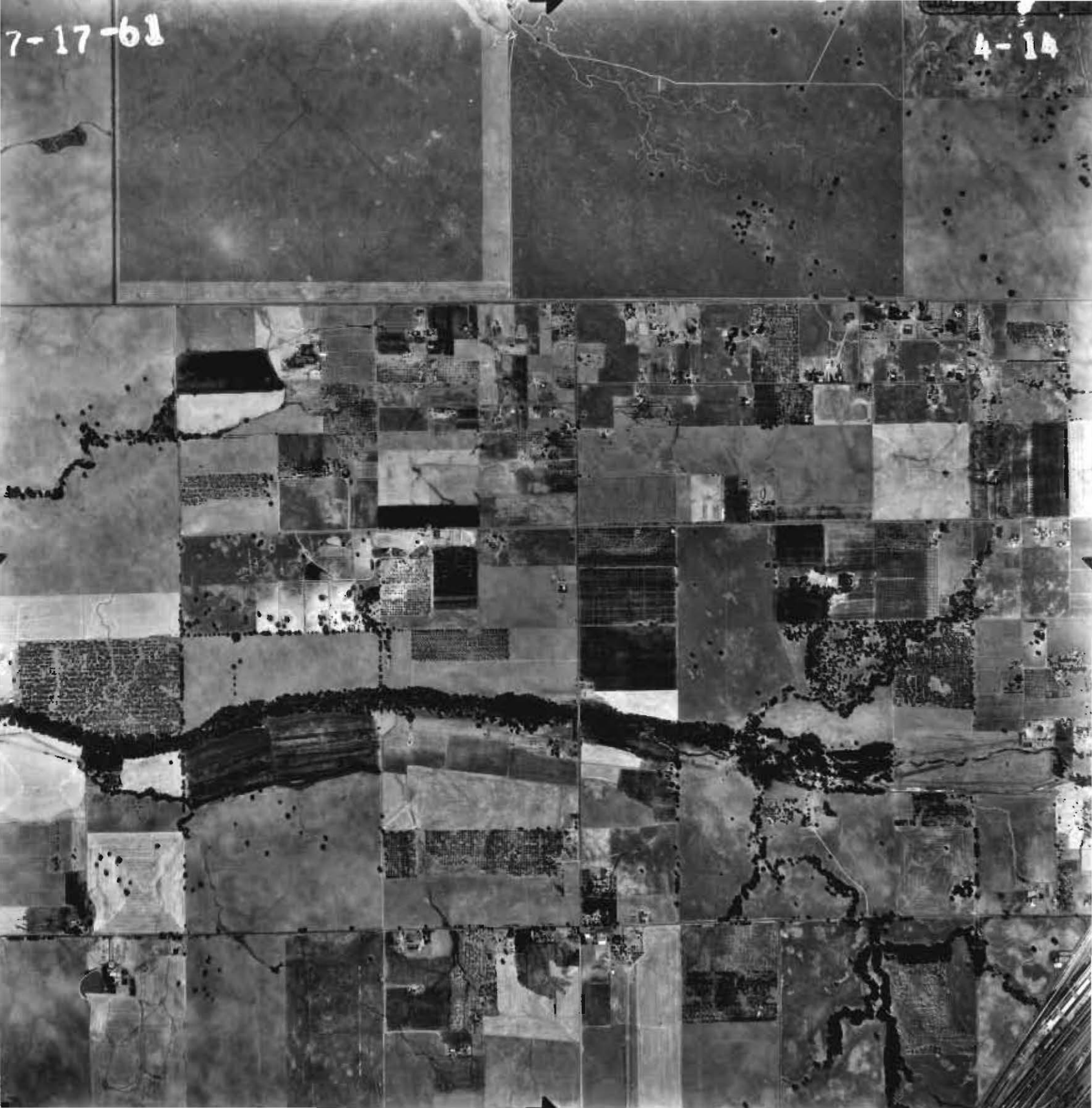
7-13-61

1-225



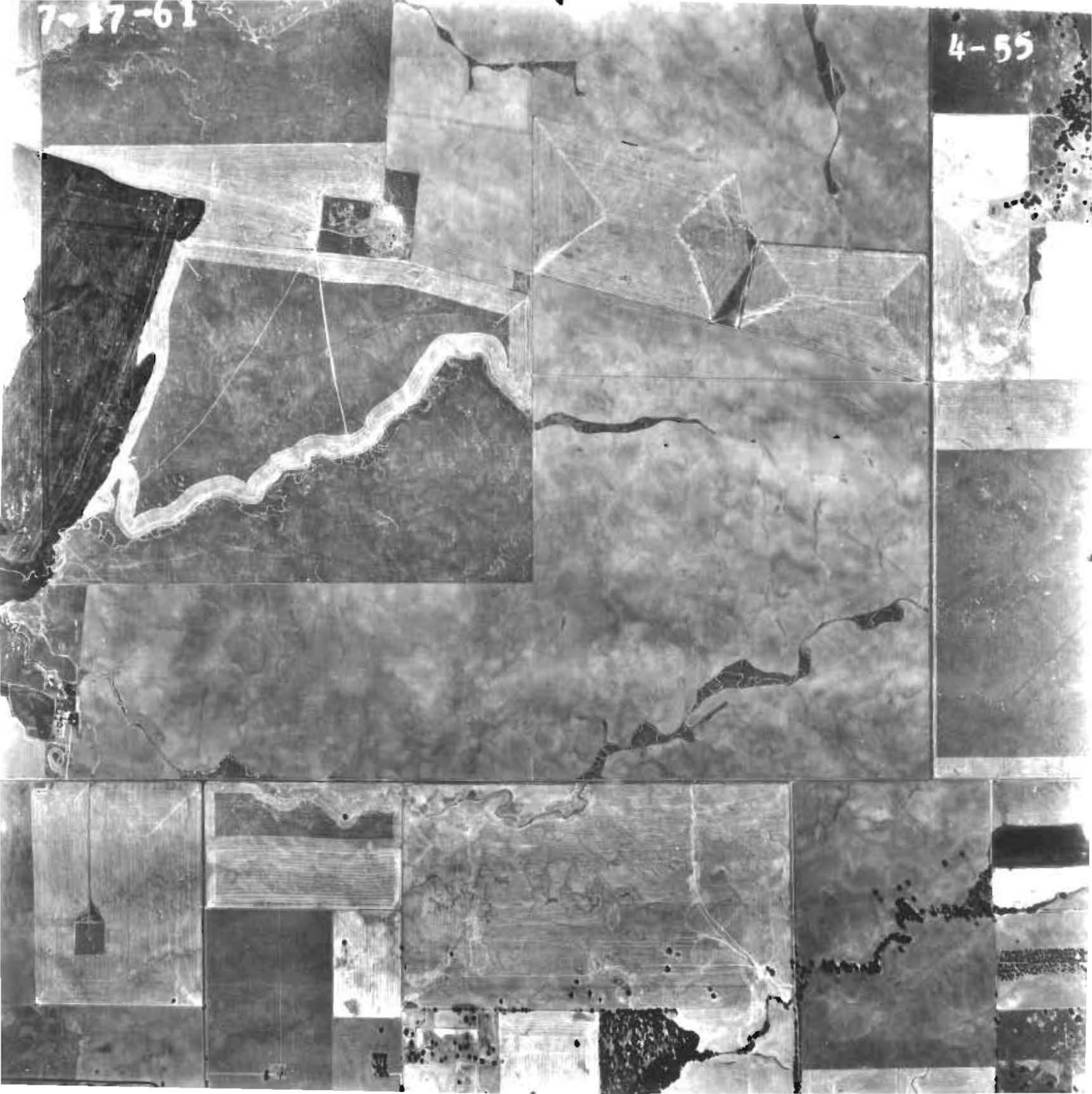
7-17-61

A-14



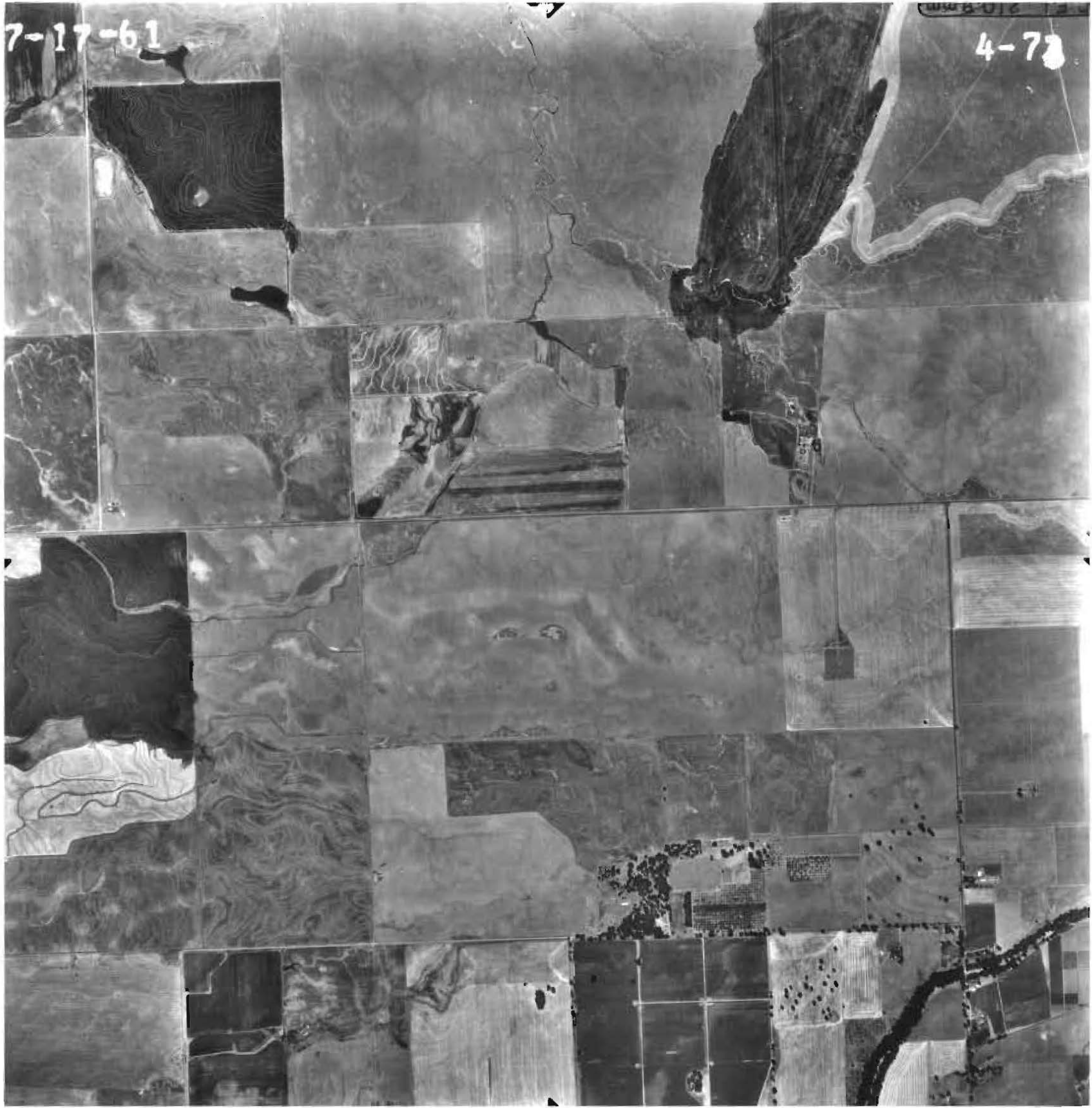
7-17-61

4-55



7-17-61

4-73





6-29-61

2-240



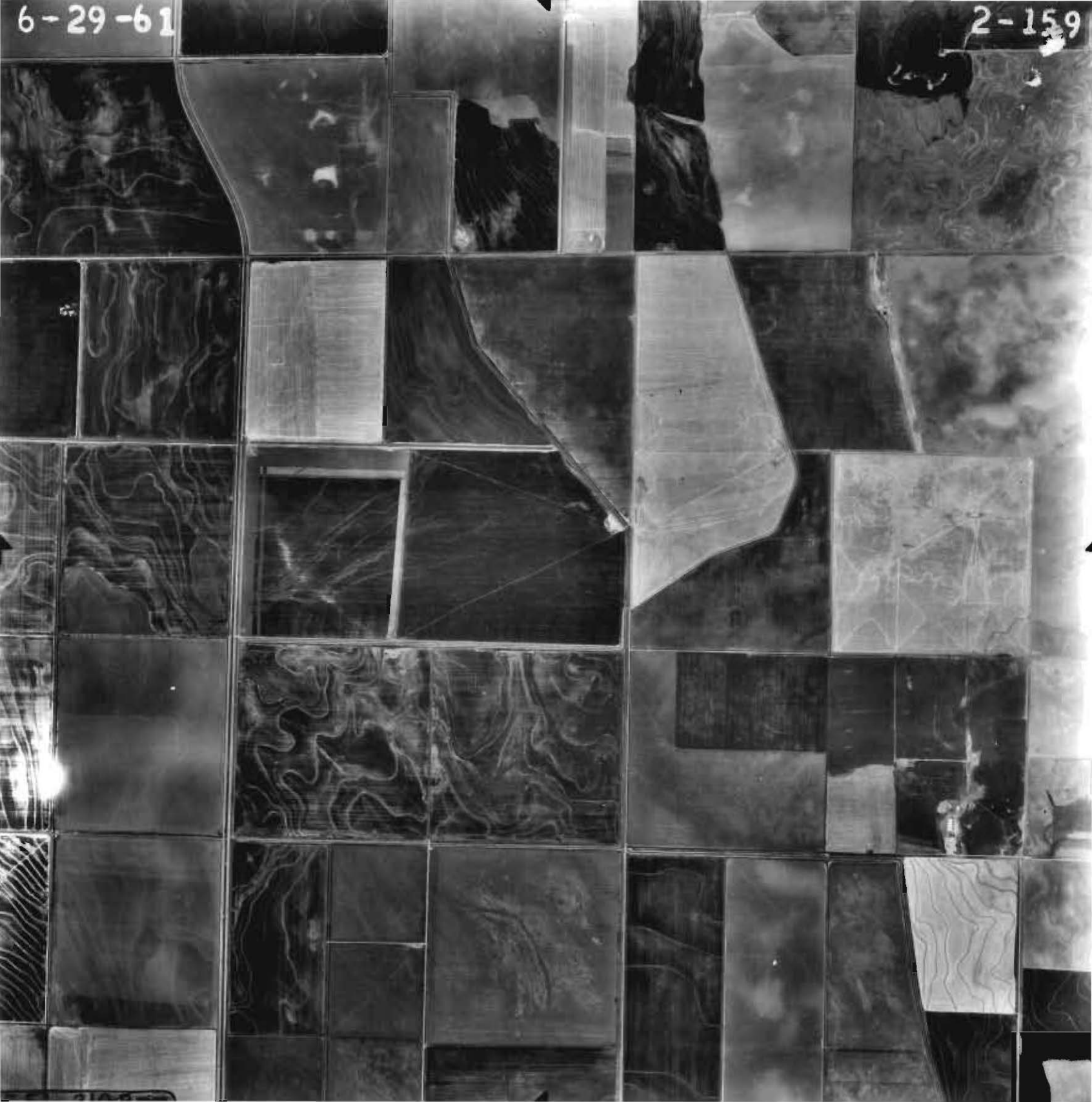
6-29-61

2-183



6-29-61

2-159



29-61



6-29-61

2-56



6-29-61

2-30



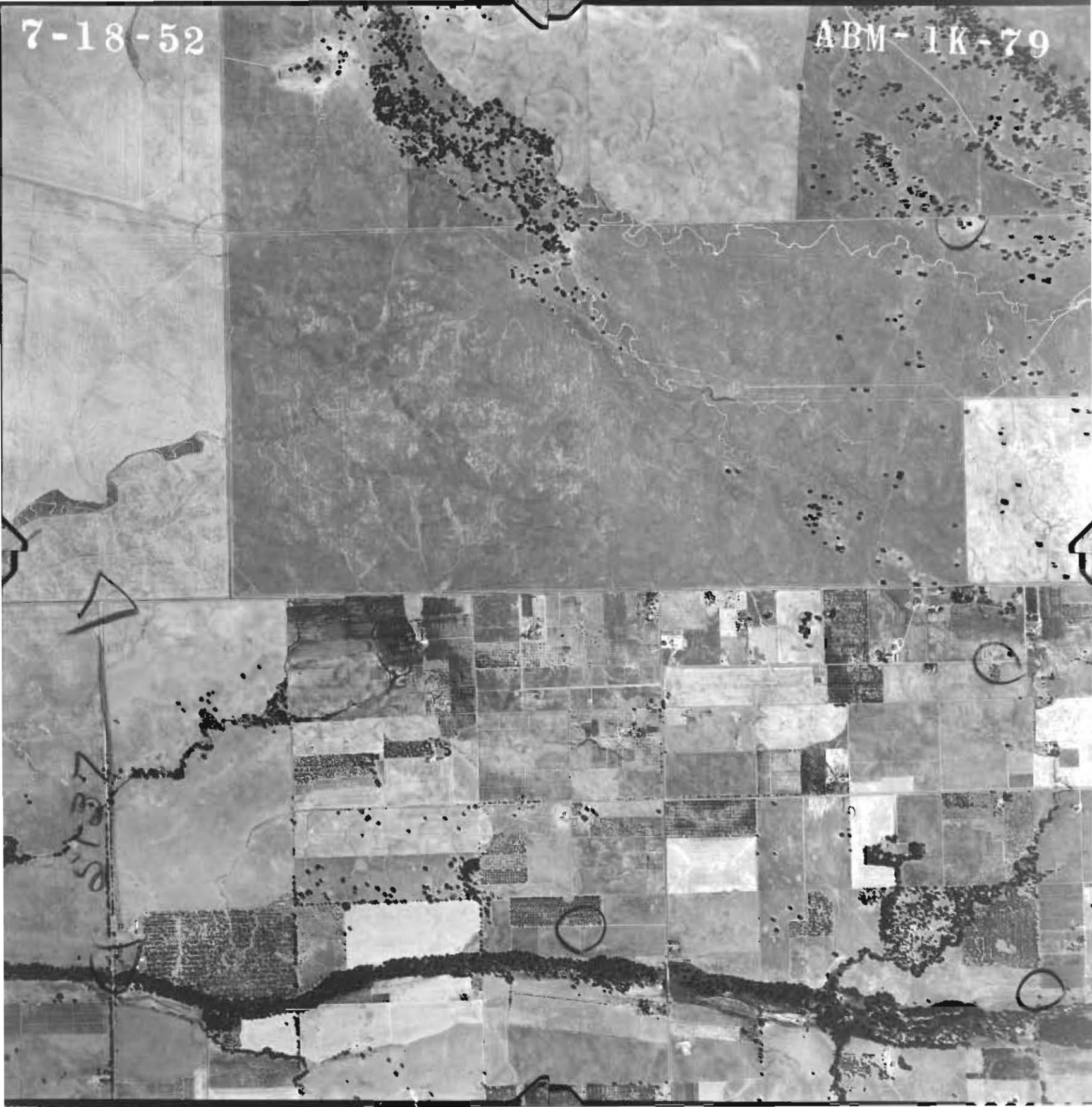
7-18-52

ABM-1K-127



7-18-52

ABM-1K-79





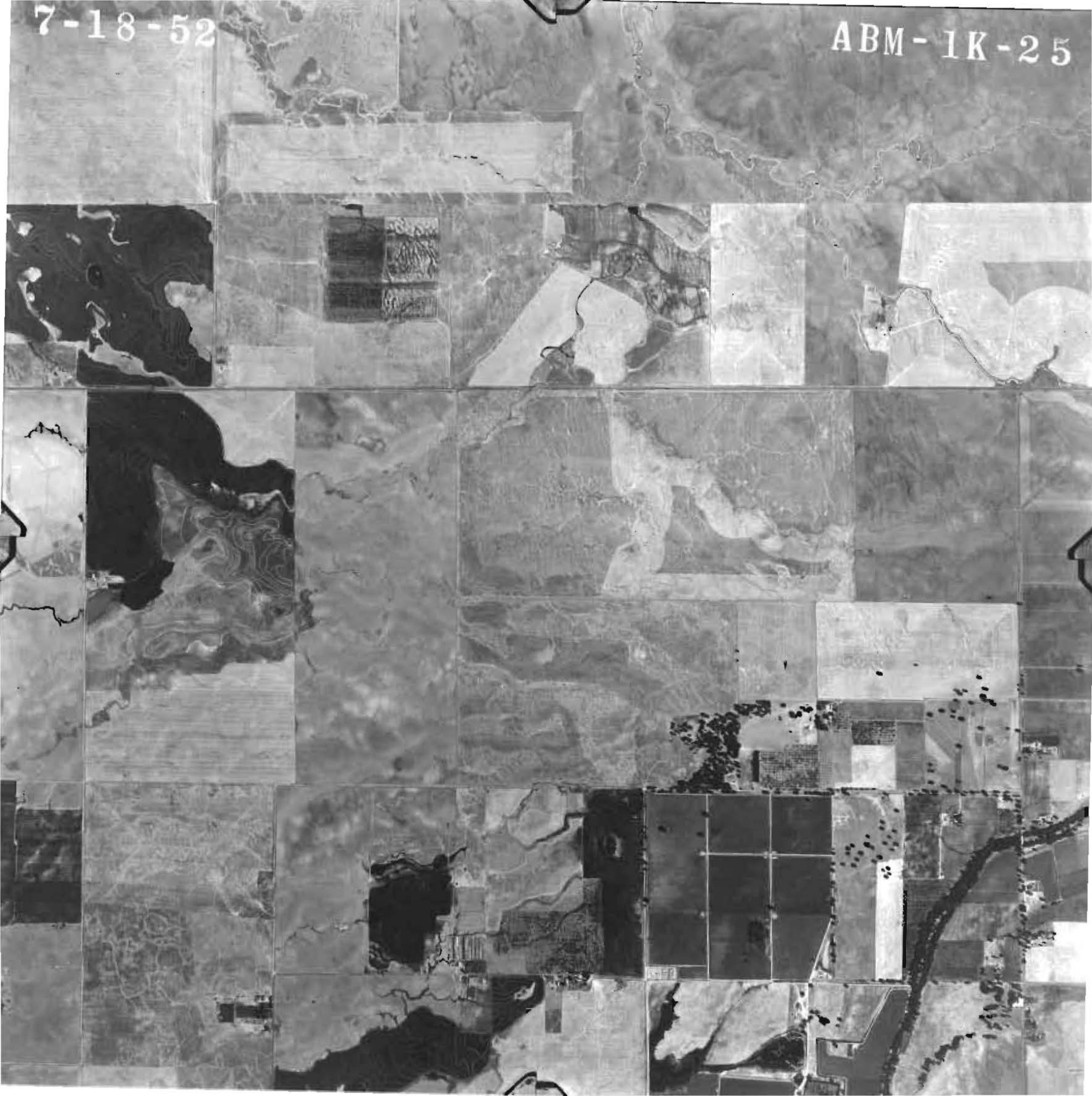
7-18-52

ABM-1K-69



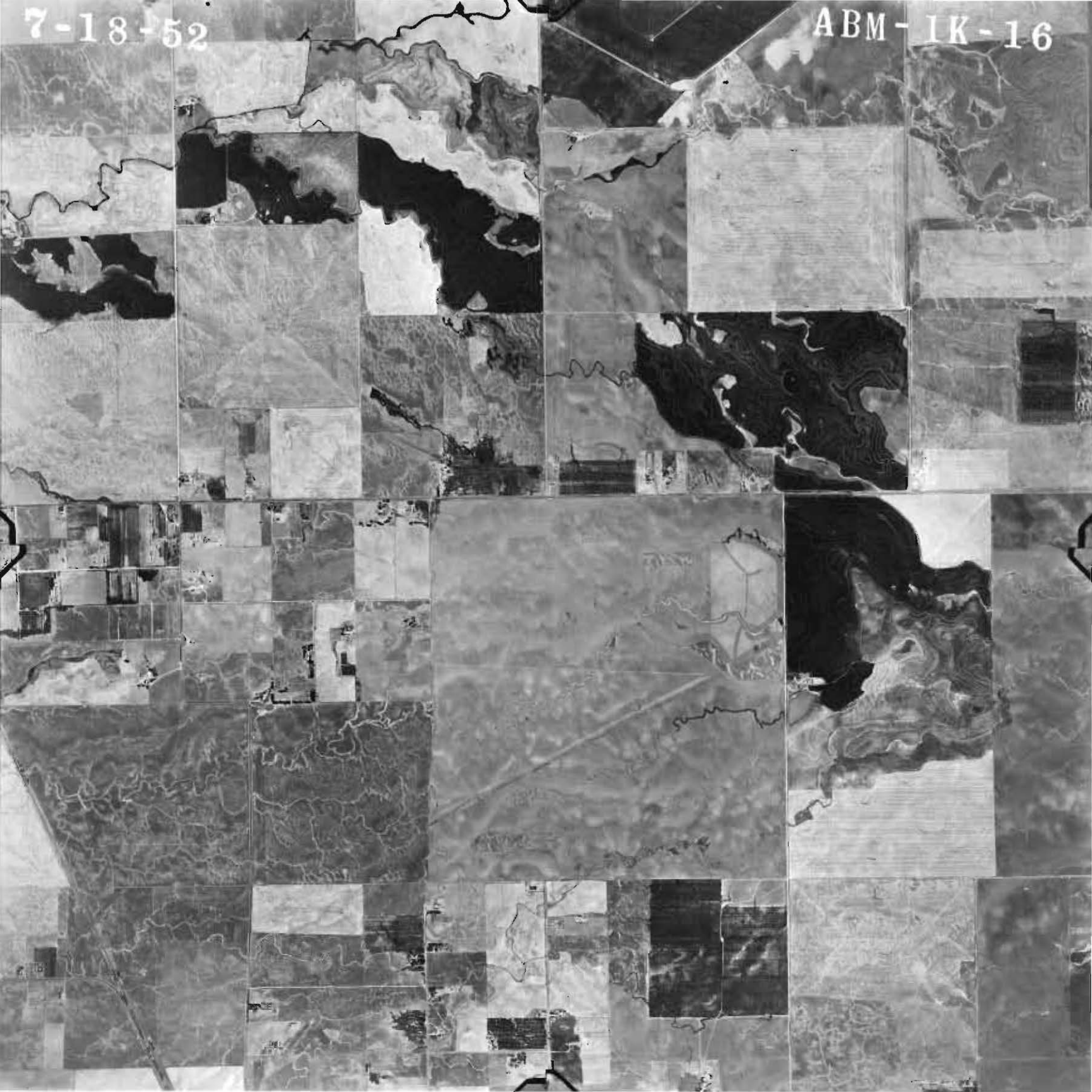
7-18-52

ABM-1K-25



7-18-52

ABM-1K-16



8-7-52

ABM-9K-3



9-28-52

ABC-2K-138





9-28-52

ABC-2K-51



ABC-2K-4





9-28-52

ABC-2K-44



9-18-57

ABB-70T-121



7-21-57

ABB-41T-5



7-21-57

ABB-41T-72



7-21-57

ABB-41T-92



7-21-57

ABB-41T-126



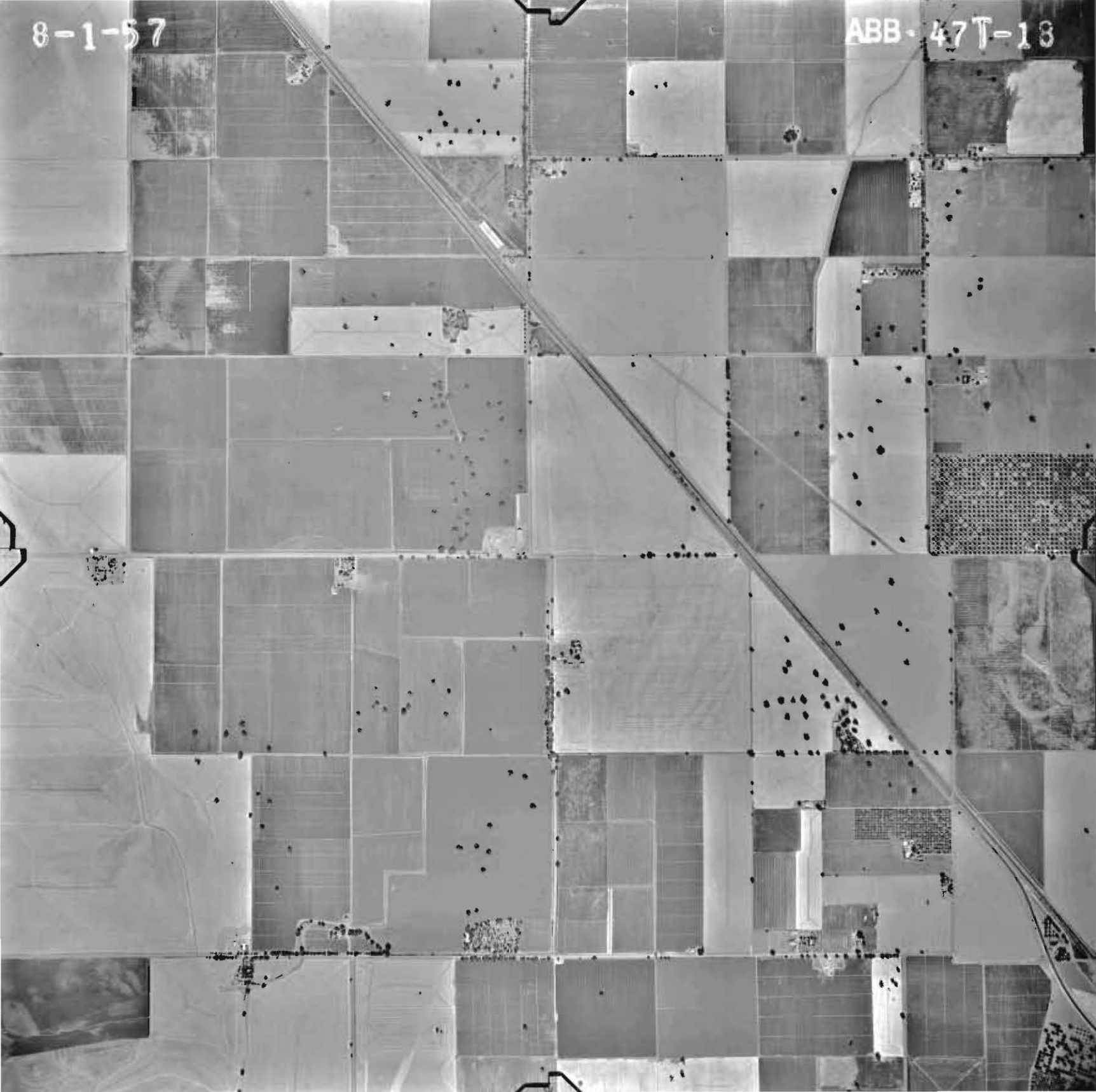
7-21-57

ABB-41T-153



8-1-57

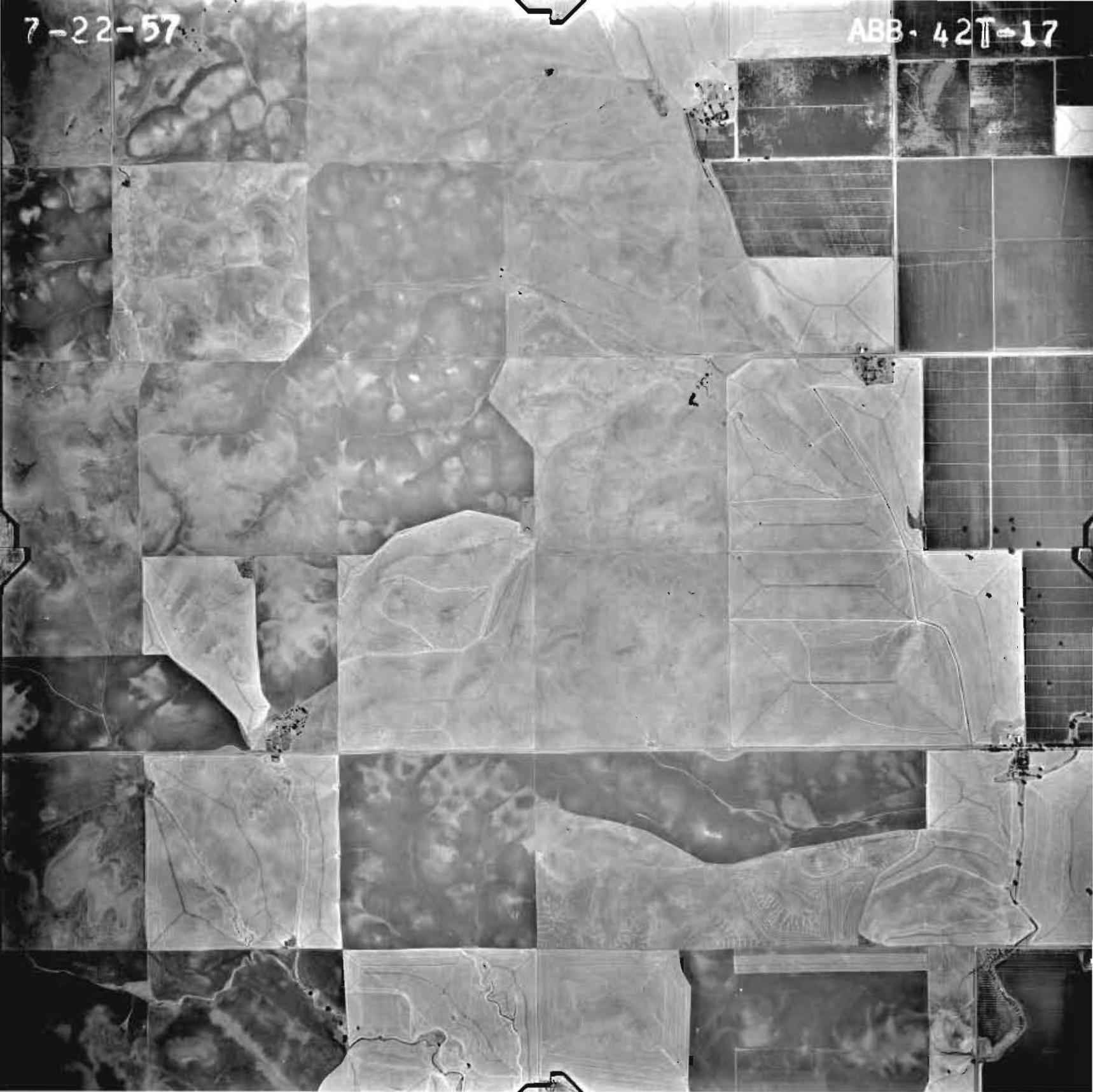
ABB-47T-13





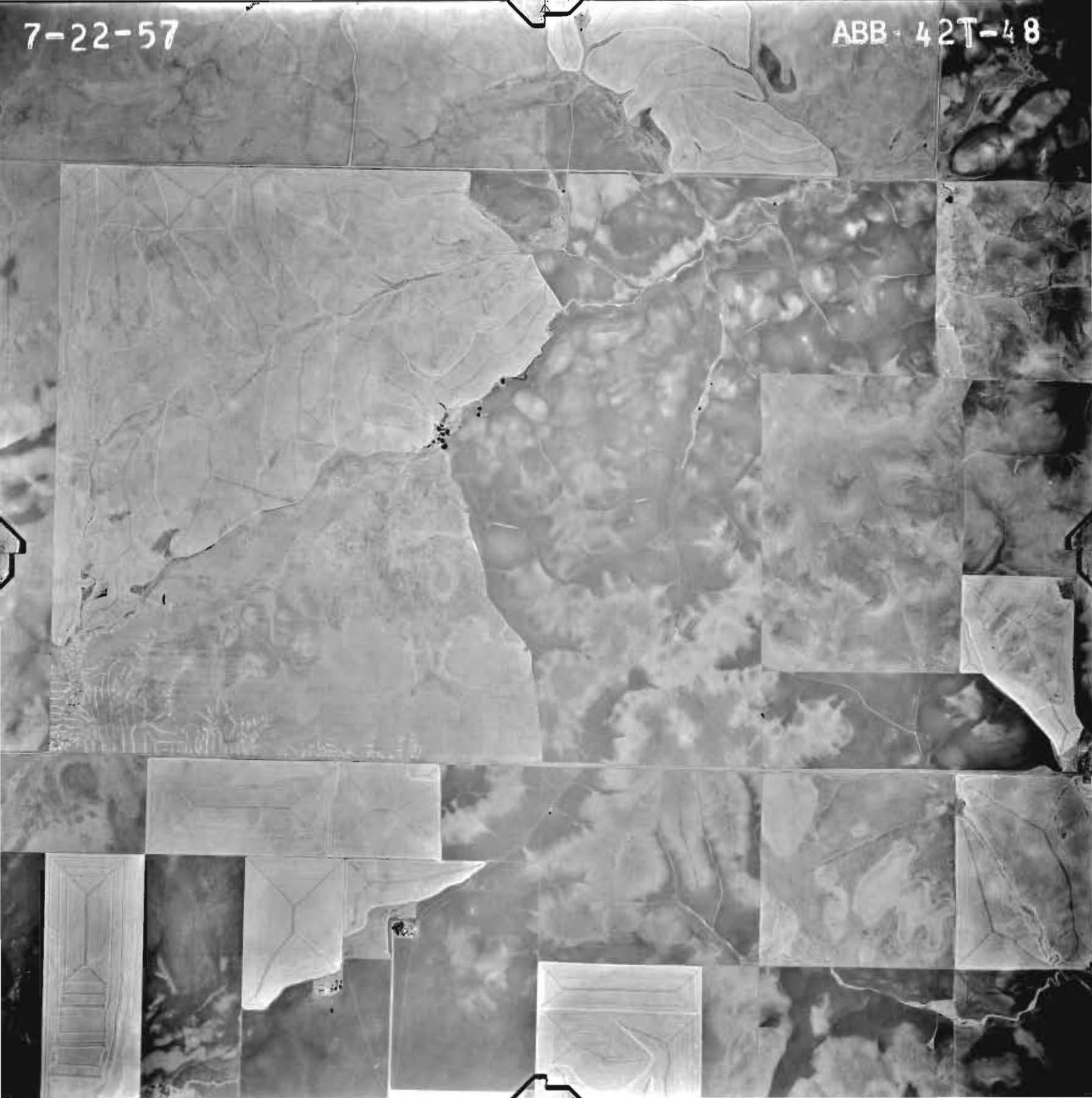
7-22-57

ABB-42T-17



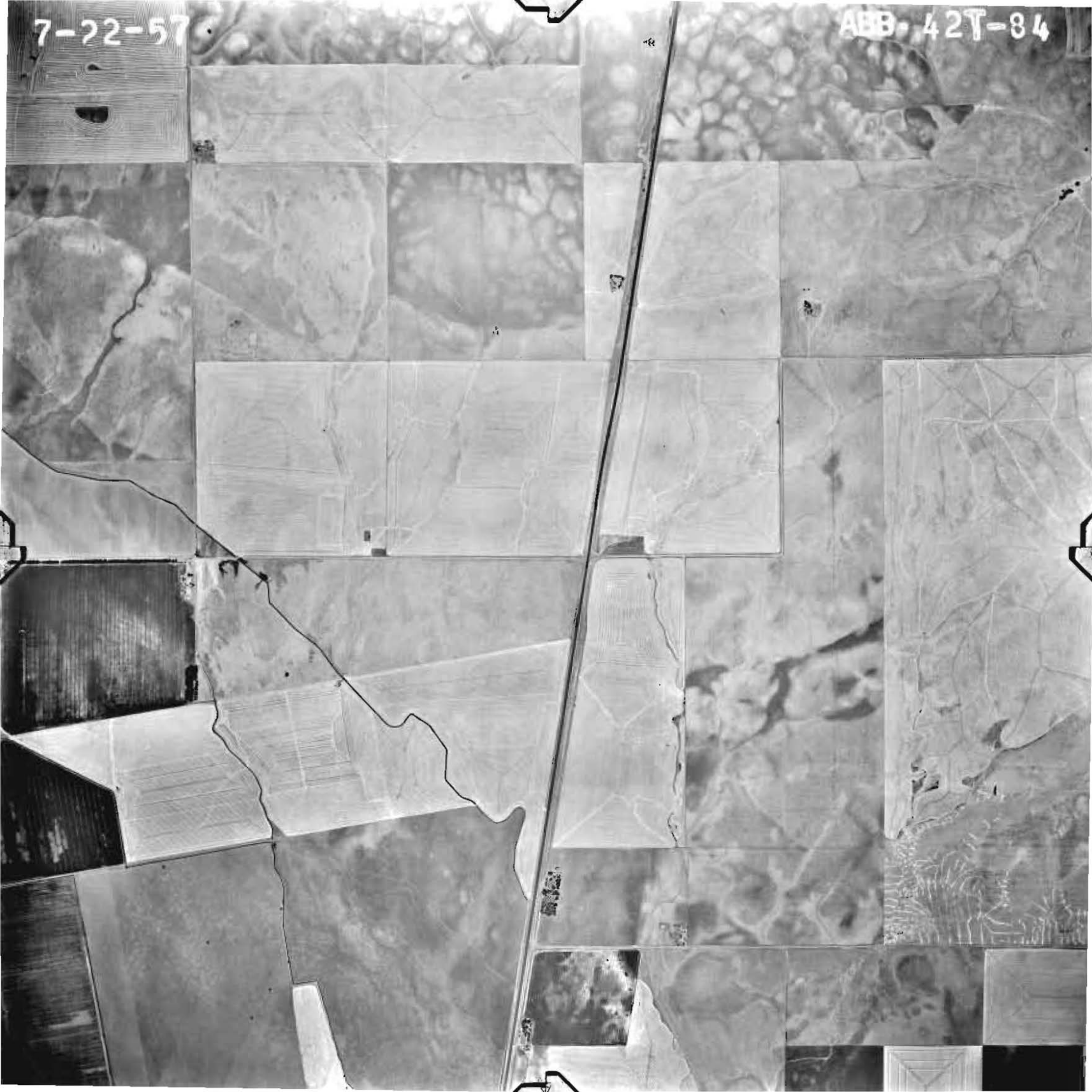
7-22-57

ABB-42T-48



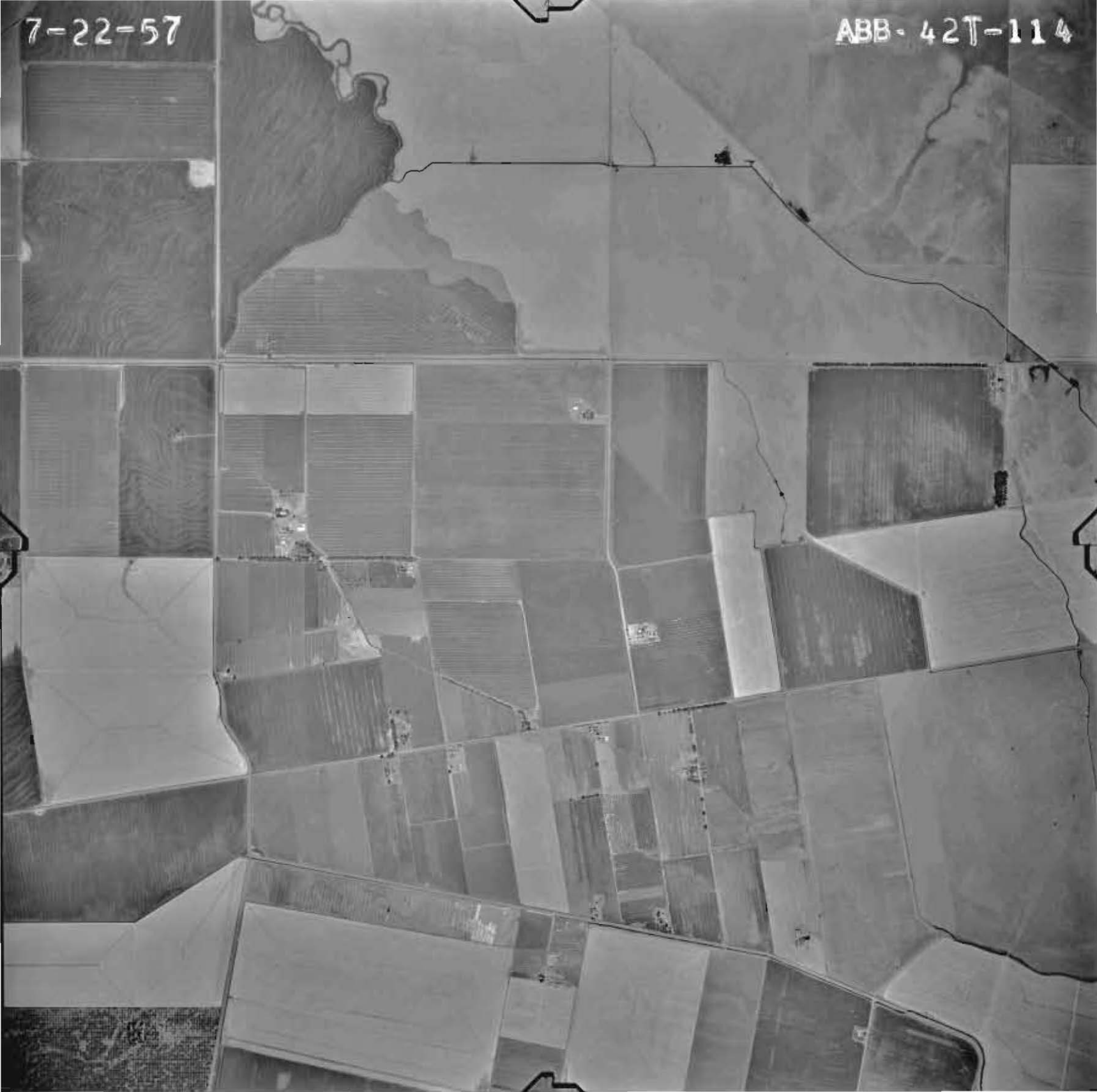
7-22-57

ABB-42T-84



7-22-57

ABB-42T-114



7-22-57

ABB-42T-153

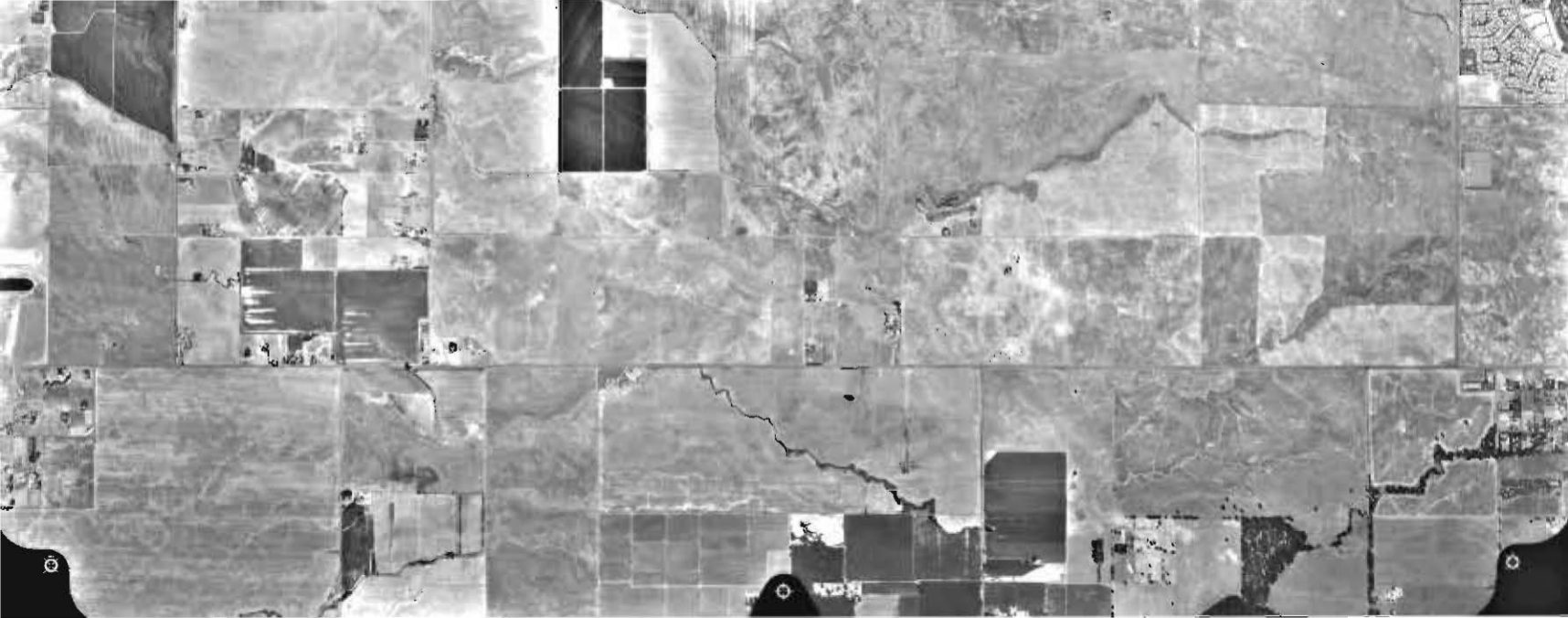


8-1-57

ABB-47T-47







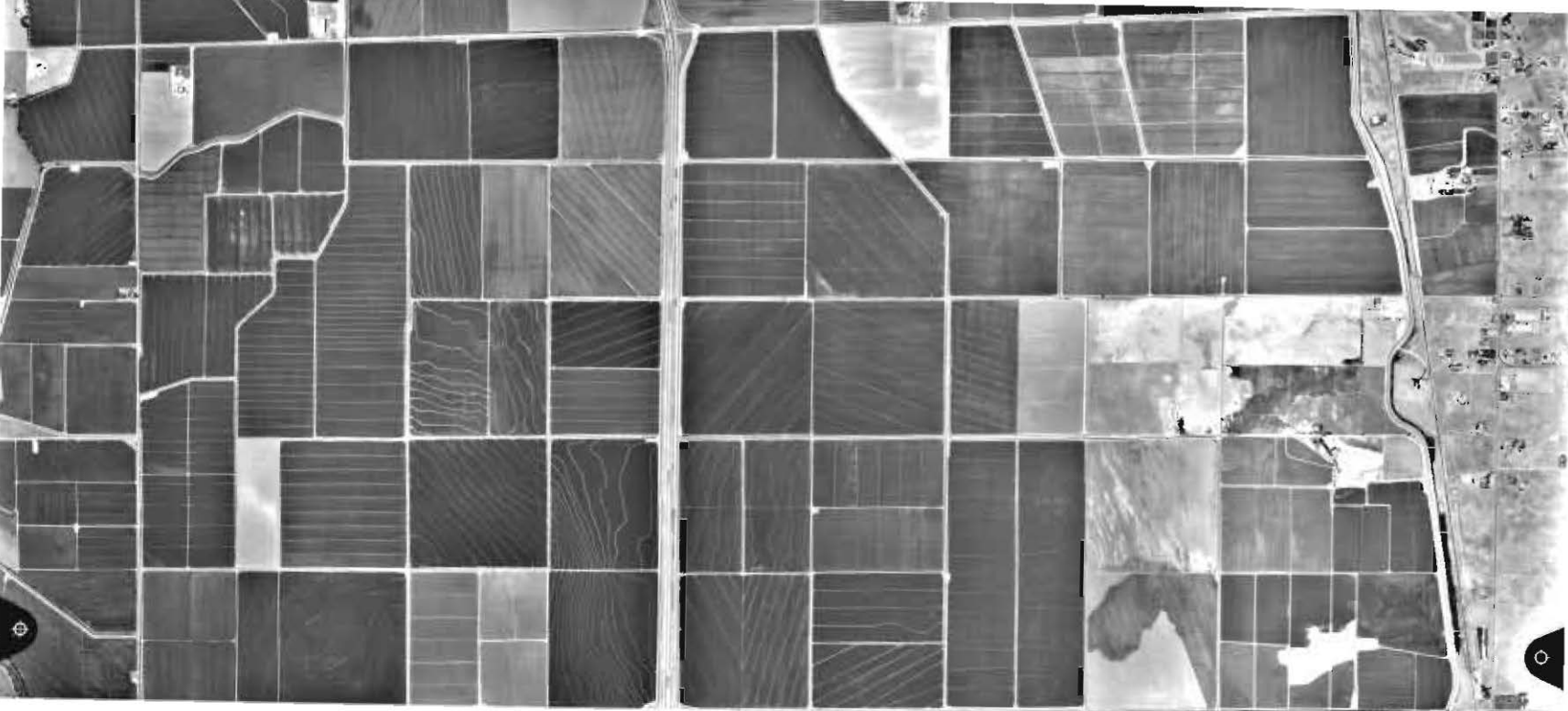


NAPP

10523-243

08-18-98













NAPP

10526-210

No 19203 162 84

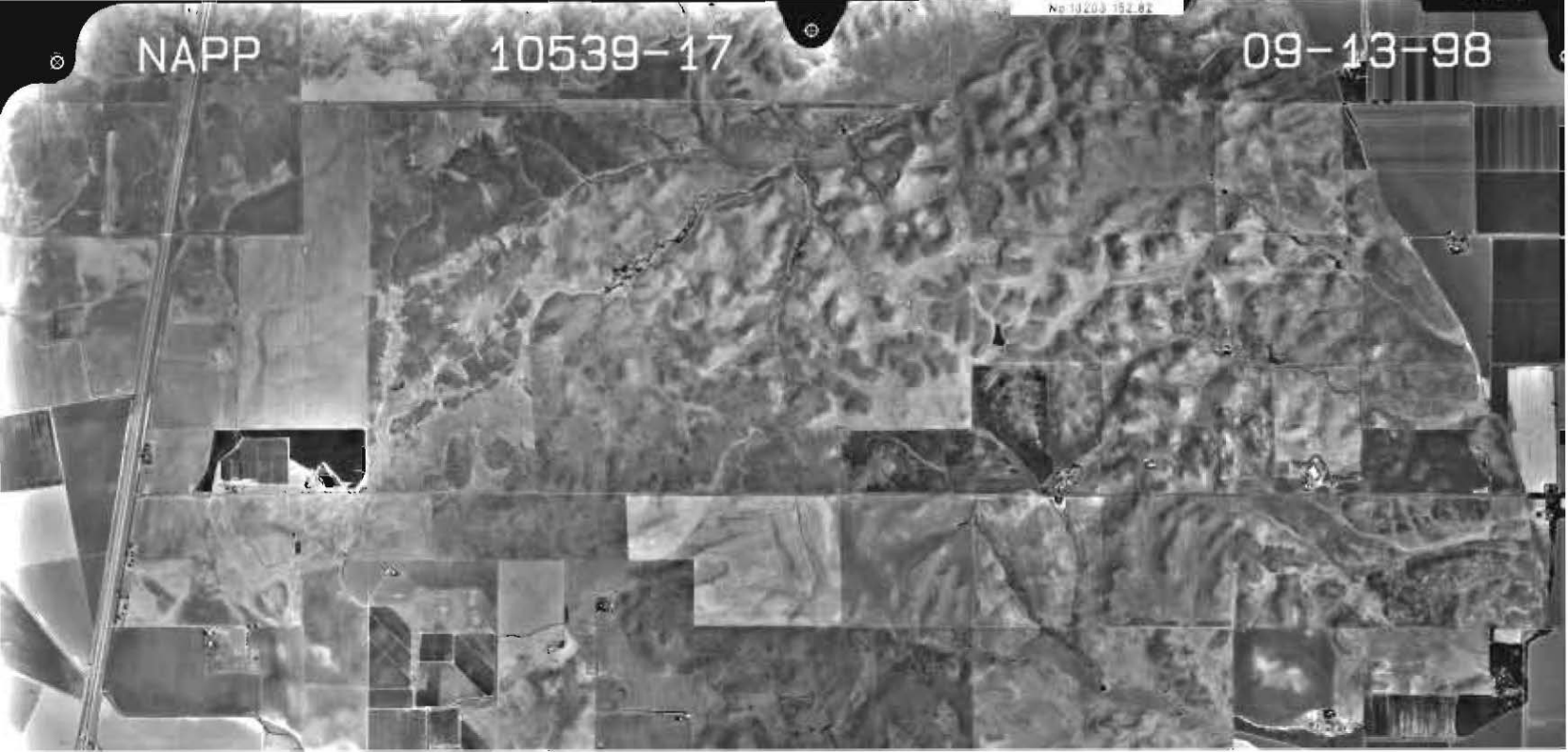
08-22-98



NAPP

10539-17

09-13-98



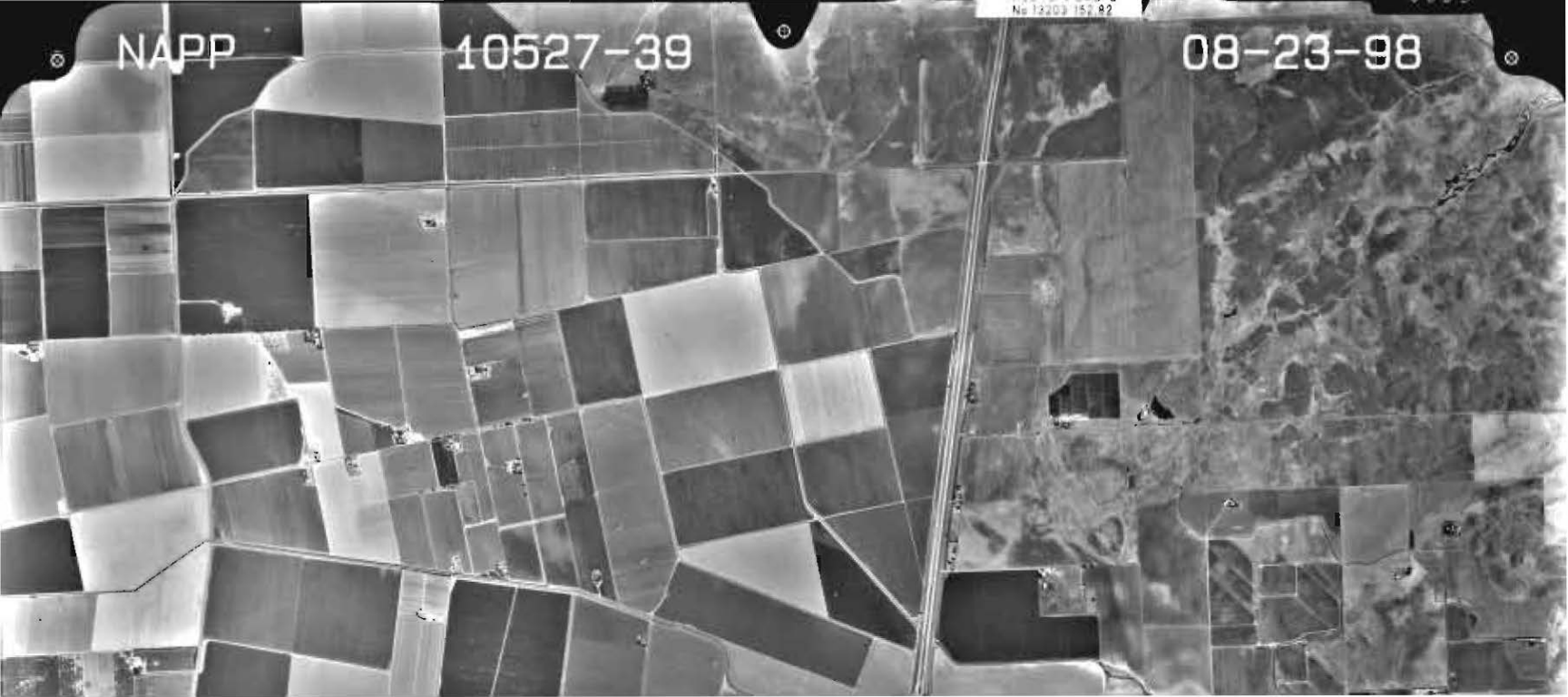


No 12203 152.82

NAPP

10527-39

08-23-98



NAPP

10529-12

08-25-98



## Appendix E: Qualifications



## **WILLIAM BONO, R.E.A.**

---

### **PRESIDENT AND CHIEF OPERATING OFFICER**

#### **EDUCATION**

- New York State University, Brockport, Liberal Arts program, 1970
- San Mateo College, A&P Certificate program, 1972
- UC Davis Extension, Site Assessment and Remediation Certificate Program
- Health and Safety Training for Hazardous Waste Sites, 40 hours
- OSHA Health and Safety Training Refresher Course, 8 hours

#### **PROFESSIONAL HISTORY**

- Will Bono Construction, Marin Co., CA, President 1976-1993
- Will Bono Environmental Services, Chico, CA, 1993-1995
- Hanover Environmental Services, Inc., Chico, CA; President/CEO, 1995 to present

#### **PROFESSIONAL AFFILIATIONS**

- California State Contractor License, #323819, Class A, Hazardous Substance Removal
- California State Contractor License, #323819, Class B
- California State Contractor License, #323819, Class C
- Registered Environmental Assessor, Class I REA #04233

#### **REPRESENTATIVE EXPERIENCE**

As President and Chief Operating Officer of Hanover, Mr. Bono has managed numerous environmental projects ranging from site assessments to characterization, remediation, and closure. His project experience includes design and construction of commercial buildings, site remediation, commercial fueling system design and construction projects. Since 1976 Mr. Bono has conducted business continuously with annual sales reaching \$1.24M in 2001. Currently as Chief Operating Officer of Hanover, Mr. Bono manages over 40 sites in northern California under the auspices of the Regional Water Quality Control Board, the Air Quality Management District, and local county and fire department leads. His duties include allocation of equipment and personnel, billing, collection, and account maintenance.



## **KAMIE N. LOESER, MRTP**

---

### **SENIOR PLANNER / PROJECT MANAGER**

#### **EDUCATION**

- California State University Chico, MRTP., Master of Rural and Town Planning, 1997
- California State University Chico, BA., Geography and Planning, 1993

#### **CONTINUING EDUCATION**

- Environmental Review of California Water Projects: Legal Requirements, Approaches and Techniques, UC Davis Extension, 2008

#### **PROFESSIONAL HISTORY**

- Hanover Environmental Services, Inc., Chico, CA, Senior Planner, 2008-present
- California State University, Chico, CA, Department of Geography and Planning, Adjunct Faculty for Environmental Impact Analysis Class/GEOG 427, 2008-present
- Foothill Associates., Chico, CA, Senior Planner/Project Manager, 2006-2008
- Community Planning Solutions, Inc., Chico, CA, Principal Planner, 2001-2004
- Pacific Municipal Consultants, Chico, CA; Senior Planner, 1997-2001
- Northern California Planning and Research, Chico, CA, Municipal Planner, 1992-1997
- CSUC Research Foundation, Chico, CA, Planning Assistant and Project Coordinator, 1995-1997
- Wastewater Design Assessment District, Paradise, CA, Research Analyst, 1991-1993

#### **PROFESSIONAL AFFILIATIONS**

- American Planning Association
- Association of Environmental Professionals

#### **REPRESENTATIVE EXPERIENCE**

Ms. Loeser has over 15 years of experience in community and environmental planning and consulting both in the private and public sectors. Ms. Loeser is the Senior Planner/Project Manager for Environmental Planning and Land Management Services for Hanover and is responsible for overseeing and managing CEQA environmental projects and community planning projects for the company. Ms. Loeser has managed dozens of CEQA projects from Initial Studies/Environmental Checklists and Mitigated Negative Declarations to Environmental Impact Reports (EIRs) for planned developments and specific plans. In addition, she has worked on a variety of planning projects including general plan updates, specific plans, zoning ordinance amendments, recreation master plans, watershed management plans, visual resource assessments, community action plans, and economic development plans. Her educational background emphasizes community and rural development with particular focus on land use planning, community enhancement, visual design, natural resource management, recreation planning and environmental impact analysis. In addition, Ms. Loeser is the Instructor for the Environmental Impact Analysis course for the Department of Geography and Planning at California State University, Chico. Ms. Loeser has managed complex planning and environmental projects and values strong company and client relationships and is known for her organizational skills and personable project management style.

## **REPRESENTATIVE LIST OF PROJECTS**

### ***Community Planning Projects:***

- City of Colfax General Plan Update, 1997, City of Colfax
- City of Corning General Plan Update, 1994, City of Corning
- Community Action Plan for the Town of Washington, Nevada County
- Economic Development Plan for the Town of Washington, Nevada County
- Highway 99W Corridor Specific Plan, Initial Study/Mitigated Negative Declaration, and Zoning Ordinance Update for Mixed-Use Overlay Zone, City of Corning
- Indian Springs Vineyard Subdivision Pre-Application Submittal, Nevada County
- NWPs 12, 14, and 39 for DR Horton Home Builders, El Dorado County
- Sierra Buttes/Lakes Basin Recreation Master Plan, Sierra County
- Visual Design Guidelines for the Highway 99W Corridor, City of Corning

### ***Environmental Documentation:***

- Lake Front at Walker Ranch Administrative Draft EIR, Plumas County
- Cedar Grove Church Draft EIR, City of Livermore
- Daugherty Hill Wildlife Area Land Management Plan Initial Study/Mitigated Negative Declaration, Department of Fish and Game
- Garcia Ranch Single-Family Residential Unit Initial Study/Mitigated Negative Declaration, Department of Water Resources, State Reclamation Board
- Greenback Road Widening Project Draft EIR/EIS, City of Citrus Heights
- Manzanita Avenue Road Widening Project Administrative Draft EIR, City of Chico
- North Star Annexation Project Draft EIR, City of Grass Valley
- Northstar Village Draft EIR, Placer County
- Neal Road Landfill Expansion Draft EIR, Butte County
- New Westside Interceptor Eastside Road Alignment Initial Study/Mitigated Negative Declaration, City of Redding
- PG&E Hydrodivestiture EIR, California Public Utilities Commission
- Planned Community-2 (PC-2) Specific Plan EIR, Town of Truckee
- Pilot Hill Ranch Specific Plan Draft EIR, El Dorado County
- Presidio PUD and Community Park Draft EIR, City of Tracy
- Quail Lake Estates Draft EIR, Nevada County
- Rosamond Recreation Master Plan Initial Study/Mitigated Negative Declaration, City of Rosamond
- Roseburg Commerce Park Draft Development Plan and Draft EIR, City of Mount Shasta
- Salmon Falls Preserve Draft EIR, El Dorado County
- Shasta Valley Asphalt and Aggregate Project Draft EIR, City of Yreka
- Sierra Sky Ranch Subdivision and General Plan Amendment Draft EIR, Madera County
- Temple Beth El Draft EIR, City of Berkeley
- Village at Northstar Administrative Draft EIR, Northstar, California
- Wolf Creek Ranch Estates Draft EIR, Nevada County



## **LUKE A. SMITH, B.S., CPESC**

---

### **ENVIRONMENTAL SCIENTIST**

#### **EDUCATION AND CERTIFICATIONS**

- California State University, Chico, B.S., Agricultural Science, 2002
- Certified Professional in Erosion and Sediment Control, 2008

#### **SPECIALIZED TRAINING & REGISTRATIONS**

- Health and Safety Training for Hazardous Waste Sites, 40 hours
- OSHA Health and Safety Training Refresher Course, 8 hours

#### **PROFESSIONAL HISTORY**

- Hanover Environmental Services, Inc., Chico, CA; Environmental Scientist, 2004-present

#### **REPRESENTATIVE EXPERIENCE**

Mr. Smith has a diversity of practical experience that allows him to engage in projects that deal with a variety of environmental situations. As Environmental Scientist for Hanover, Mr. Smith is responsible for the research, analysis and preparation of environmental science based projects including environmental permit facilitation, Spill Prevention Control and Countermeasure (SPCC) Plans, Phase I Environmental Site Assessments (ESA), Transactional Screen Assessments (TSA), Water Pollution Control Program (WPCP) Plans, and Storm Water Pollution Prevention Plans (SWPPP). Mr. Smith has completed SPCC(s), Phase I & II ESA(s), TSA(s), WPCP(s), and SWPPP(s) in their entirety.

#### **REPRESENTATIVE LIST OF PROJECTS**

##### ***Phase I Environmental Site Assessments:***

- Battle Creek Conservation Easement (The Nature Conservancy), Battle Creek, Tehama County CA
- Smith Dairy Farm, Elk Grove, Sacramento County CA
- Mount Shasta Spring Water, Chico, Butte County CA
- Bidwell Ranch Project, Chico, Butte County CA
- City of Chico Sewer Extension, Chico, Butte County 95928
- Truckee River Canyon Property (The Nature Conservancy), Sierra and Nevada Counties
- Ishi Wilderness Augmentation Project, Mineral, Tehama County, CA 96063
- Paradise Irrigation District, Paradise, Butte County, CA
- Point Reyes Affordable Housing, Point Reyes Station, Marin County, CA
- Sloughhouse Westerberg Farms Conservation Easements (Sacramento Valley Conservancy), Elk Grove, Sacramento County, CA

##### ***SWPPP - Stormwater Pollution Prevention Plans:***

- Centerville Road Estates, Chico, Butte County CA
- Linkside Subdivision, Oroville, Butte County CA

- Del Vista Oro Subdivision, Oroville, Butte County CA
- Calle Vista Subdivision, Oroville, Butte County CA

***SPCC - Spill Prevention Countermeasure and Control Plans:***

- Guy Rents, Chico, Butte County CA
- Chambers Oil, Chico, Butte County CA
- Feather River Hospital, Oroville, Butte County CA
- Northgate Petroleum, Chico, Butte County CA
- Warner Petroleum, Chico, Butte County
- Squaw Creek Inn, Stoneyford, Colusa County CA
- Youth With A Mission, Chico, Butte County CA





## **MIKE ANDRES, B.S.**

---

### **SENIOR GIS ANALYST**

#### **EDUCATION**

- California State University, Chico, B.S. in Geological Sciences
- California State University, Chico, Certificate in Geographical Information Systems

#### **PROFESSIONAL HISTORY**

- Hanover Environmental Services, Inc., Chico, CA; GIS Analyst, 2007-present
- Gallaway Consulting, Inc., Chico, CA; GIS Analyst, 2005-2007
- City of Pleasanton, Pleasanton, CA; GIS Internship, 2005
- Zone 7 Water Agency, Pleasanton, CA; Water Resources Internship, 2004-2005
- Alameda County Public Works, Hayward, CA; Planning Internship, 2000-2004

#### **REPRESENTATIVE EXPERIENCE**

As the Senior GIS Analyst for Hanover, Mr. Andres' responsibilities include GIS support for Hanover's Planners, Biologists, and Geologists. Specifically, Mr. Andres conducts the following tasks: cartographic design, spatial analysis, geostatistical analysis, digitizing, biological and environmental base map production, site assessments using remote sensing and sub-meter GPS data, vegetation and habitat mapping, historical photo site assessment, impact analysis, aerial and satellite image acquisition, geodatabase design and management, surface and subsurface 3D modeling, sub meter GPS surveys, watershed modeling, AutoCAD manipulation, digital printing of large format high resolution wall maps and CAD/GIS drawings, and web based internet mapping systems (IMS). Mr. Andres uses both integrated field data from a survey grade GPS unit as well as acquired data from various planning agencies. Mr. Andres utilizes multiple GIS, statistical, and graphics programs to produce a high quality product.

---

## **H-2: Supplemental Environmental Site Assessment**

**SUPPLEMENTAL**  
**SCREENING LEVEL**  
**ENVIRONMENTAL SITE ASSESSMENT**

California State Lands Commission, PG&E Line Alternative Routes A – H  
Yolo and Placer Counties



Project Number: MBA101-1A

Prepared for:

Michael Brandman Associates (MBA)  
Attn: Ms. Chelsea Ayala  
Bishop Ranch 3  
2633 Camino Ramon, Suite 460  
San Ramon, CA 94583

Prepared by:



**HANOVER ENVIRONMENTAL SERVICES, INC.**  
1072 Marauder St., Suite 220  
Chico, CA 95973

28 August 2008

# Table of Contents

1	Summary .....	1
2	Introduction .....	1
	Purpose.....	1
	Detailed Scope-of-Services .....	1
	Significant Assumptions .....	2
	Limitations, Exceptions, and Data Gaps .....	2
	Environmental Personnel .....	3
3	Site Description .....	3
	Location and Legal Description .....	3
	Site and Vicinity Characteristics .....	3
	Current Land uses .....	3
	Descriptions of Structures, Roads, Other Improvements Within the Project Area .....	3
	Current Uses of the Adjoining Properties .....	4
	Summary of Historical Use of the Subject Property .....	4
4	User Provided Information.....	4
	Title Records .....	4
	Environmental Liens or Activity and Use Limitations.....	4
	Specialized Knowledge .....	4
	Commonly Known or Reasonably Ascertainable Information .....	4
	Valuation Reduction for Environmental Issues.....	4
	Owner, Property Manager, and Occupant Information .....	4
	Reason for Performing Screening Level Environmental Analysis.....	4
	Other .....	4
5	Site Reconnaissance .....	5
	Methodology and Limiting Conditions .....	5
	General Site Setting.....	5
	Alternate Route Options and Observations .....	5
	Interior Observations.....	8
6	Interviews.....	8
	Interview with Property Owner Representative .....	8
	Interviews with Local Government Officials .....	8
7	Findings, Opinions, and Conclusions.....	8
8	Qualification and Signature.....	9

- APPENDIX A: PROJECT ALTERNATIVES MAP
- APPENDIX B: ALTERNATE ROUTES MAPS 1-6
- APPENDIX C: SITE RECONNAISSANCE PHOTOS
- APPENDIX D: QUALIFICATIONS

## **1 Summary**

Hanover Environmental Services, Inc. (Hanover) has performed a supplemental “screening level” Environmental Site Assessment (ESA) for the Pacific Gas & Electric Company’s (PG&E) Natural Gas Pipelines 406 and 407 alternatives analysis, which is being prepared pursuant to the California Environmental Quality Act (CEQA). Specifically, this assessment examines the potential for recognized environmental conditions that may occur along the proposed alternative pipeline routes, identified as Options A through H. This analysis follows the format outline of the Environmental Protection Agency’s (EPA) Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and American Society for Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments E 1527-05. All exceptions to, or deletions from standard practices are described in Section 2.4 of this report.

While no environmental site assessment can fully eliminate the uncertainty regarding the potential for recognized environmental conditions, the ASTM standard does cite the balance between appropriate levels of inquiry and the cost of such exhaustive investigations. The information contained in this report would lead one to the opinion that the probability of recognized environmental conditions in association with the proposed alternative routes *is not* significant enough to warrant further investigation at this time.

## **2 Introduction**

### **2.1 Purpose**

Hanover has prepared this supplemental “screening level” ESA under the direction of a State of California Registered Environmental Assessor. Per CEQA Guidelines standards of significance, this document serves to identify recognized environmental conditions that may create a significant hazard to the public or the environment through the reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment in association with the construction of the proposed project along the alternative routes.

The term recognized environmental conditions means the presence or the likely presence of any hazardous substances or petroleum products on a subject property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous material or petroleum product into structures on a subject property or into the ground, groundwater, or surface water of a subject property. The term includes hazardous substances or petroleum products even under conditions in compliance with existing laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report has been prepared in an objective and unbiased manner and, where practicable, in accordance with EPA AAI 40 CFR Part 312 and ASTM Practice E 1527-05 with all limitations and exceptions described in Section 2.4 of this report.

The proposed project’s alternative pipeline alignments, identified as Options A through H, are alternative locations to the proposed PG&E Pipelines 406 and 407. This document has been prepared to assist in the preparation of the alternatives analysis for the Environmental Impact Report (EIR) being prepared pursuant to CEQA (Guidelines Section 15126.6). This document is for the use of Michael Brandman Associates (MBA/Client) and their assignees.

### **2.2 Detailed Scope-of-Services**

This “screening level” assessment generally follows the format of the EPA’s Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and ASTM Standard Practice for Environmental Site Assessments E 1527-05. The use of standard practices assists in providing an “all appropriate inquiry” into the previous uses of a property. However, all exceptions to, or deletions from standard practices are described in Section 2.4 of this report. This assessment included a review and analysis of available data pertaining to the alternative route Options. All data was provided by MBA. A site reconnaissance of the alternative route Options was performed to determine the potential existence or non-existence of recognized environmental conditions, now and in the past, and any potential contamination arising therefrom.

### 2.3 *Significant Assumptions*

Hanover believes the results, specifications, conclusions and professional opinions to be accurate and relevant but cannot accept responsibility for the accuracy or completeness of public documentation or accuracy, completeness, or possible withholding of information by interviewees or other private parties. We make no other warranty, either expressed or implied.

### 2.4 *Limitations, Exceptions, and Data Gaps*

The scope of services performed to complete this “screening level” ESA is limited in nature. Site conditions can change over time, and this assessment is not intended to predict future site conditions. Because of the limited scope and nature of this assessment, site history was developed based on information obtained during the site reconnaissance of the proposed alternative alignments as well as information provided by MBA, including aerial photos detailing the location of proposed alternative alignments. The site reconnaissance conducted for this assessment was limited to publicly accessible areas and roadways. Reconnaissance of the portions of the proposed alternative alignments that are located on private property was not conducted.

This report does not include a complete determination of the extent of, nor the environmental or public health impact of, known or suspected hazardous materials or wastes.

This “screening level” assessment did not include air, soil or water sampling, or laboratory analysis. Therefore, the results of this investigation do not preclude the possibility of hazardous substances being present on the subject properties, currently or in the future. This report does not purport to address all safety problems, if any, associated with the subject properties and alternative alignments.

In addition, this “screening level” assessment did not include a local government records research (including Title Reports and Historic Use Information obtained from, although not limited to, the following: Assessor’s Office, Building Department, Environmental Health Department, Agricultural Department, Water Districts or Associations, Fire Department).

Interviews with property owners, occupants, local government officials, and others were not conducted as part of this assessment.

The following are several non-scope considerations that persons may want to assess in connection with commercial real estate. No implication is intended as to the relative importance of inquiry into such non-scope considerations, and this list is not intended to be all-inclusive:

- Asbestos
- Radon
- Lead-based paint
- Lead in drinking water
- Wetlands
- Regulatory compliance
- Cultural and historic resources
- Health and safety
- Ecological resources
- Endangered species
- Air quality
- Water quality

While the Hanover representative collected reasonably ascertainable historical information, gaps in evidence of historic and some existing property uses exist.

Despite these limitations it is the opinion of Will Bono, Registered Environmental Assessor #04233, that this “screening level” assessment provides an appropriate degree of inquiry to determine if potential recognized environmental conditions exist along the proposed alternative alignment Options consistent with the thresholds of significance identified by CEQA as they pertain to the “reasonably foreseeable upset...involving the release

of hazardous materials...” as well as for the evaluation of project alternatives, per CEQA Guidelines Section 15126.6, which requires that an EIR include sufficient information about each alternative to allow meaningful evaluation, analysis, and comparison with the proposed project.

However, given the limited access to the alternative alignments and the limitations and exceptions to this assessment described above, a site specific evaluation and complete Phase 1 Environmental Site Assessment that meets the requirements of applicable standards and practices should be conducted once a final alignment has been identified and prior to construction activities; thereby providing an “all appropriate inquiry” into the previous uses of applicable properties and the potential for risk of upset to hazardous materials.

## **2.5 Environmental Personnel**

This assessment was conducted under the supervision of Will Bono, Registered Environmental Assessor #04233. The following Hanover Environmental Services, Inc. personnel contributed to the assessment:

- Will Bono, REA#04233, provided supervision, review, and opinions/conclusions.
- Kamie Loeser, Senior Planner, provided review, and opinions/conclusions.
- Luke Smith, Environmental Scientist, reviewed existing and available data, performed site reconnaissance and prepared the report.

## **3 Site Description**

The Hanover representative performed a site reconnaissance of the proposed alternative alignments on August 19<sup>th</sup> and 21<sup>st</sup> 2008.

### **3.1 Location and Legal Description**

Alternative routes A, B, C, D, E, F, G, H (no physical address recorded). Refer to the Appendix A Project Alternatives Map.

### **3.2 Site and Vicinity Characteristics**

The alternative pipeline routes, designated A through H, are located in the Sacramento Valley that extends from Esparta in Yolo County to Roseville in Placer County. The Sacramento Valley encompasses the northern one-third of the Central Valley of California, which extends approximately 400 miles from the Tehachapi Mountains in the south to the Klamath-Siskiyou Mountains in the north. The Sacramento Valley trough is strongly asymmetric with the deepest part of the trough west of the apparent surface axis of the valley. The valley is bordered to the east by the Sierra Nevada, to the north by the Cascade Range, and to the west by the Coast Ranges. The Sacramento River is the north-south drainage that extends from the northern portion of the Central Valley south to the Sacramento-San Joaquin Delta.

The project area varies in elevation. Topography of the corridor is relatively flat, sloping in a various directions. Regional topography in the vicinity slopes toward the Sacramento River, which the project corridor crosses over.

### **3.3 Current Land Uses**

At the time of the August 19 and 21, 2008 site inspections the project area was structurally undeveloped. Land uses within the project area consist of undeveloped natural land associated with drainages and waterways as well as agricultural uses and associated facilities and residences.

### **3.4 Descriptions of Structures, Roads, Other Improvements Within the Project Area**

Portions of the alternative routes follow existing utility right-of-ways that cross agricultural fields, streets, highways and waterways. Sections parallel roads and overhead power lines with pole-mounted transformers. During the site reconnaissance the Hanover representative inspected transformers for any visual signs of leaks. For areas that could be accessed, there were no structural developments observed within the subject corridors at the time of inspection.

### **3.5 *Current Uses of the Adjoining Properties***

Properties adjacent to the alternative routes were used for agricultural and residential purposes.

### **3.6 *Summary of Historical Use of the Subject Property***

The project corridor is primarily undeveloped. Historical uses of the alternative alignments include public utilities with surrounding properties used for agriculture.

## **4 *User Provided Information***

Provided below is a discussion of information provided by Michael Brandman Associates (MBA/client).

### **4.1 *Title Records***

A Preliminary Title Report was not supplied by MBA. Title Reports would allow for the determination if environmental liens or activity and use limitations exist on subject properties.

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

MBA did not report environmental liens or activity and use limitations due to hazardous material issues on the subject properties.

### **4.3 *Specialized Knowledge***

There was no specialized knowledge of any recognized environmental conditions recorded, reported or discussed on the subject or surrounding properties.

### **4.4 *Commonly Known or Reasonably Ascertainable Information***

There was no commonly known or reasonably ascertainable information on the subject properties pertaining to any recognized environmental conditions recorded, reported or discussed on the subject or surrounding properties.

### **4.5 *Valuation Reduction for Environmental Issues***

MBA did not indicate as to whether or not there is a known valuation reduction for the subject properties due to environmental issues.

### **4.6 *Owner, Property Manager, and Occupant Information***

Property Owners: Not applicable

Property Occupant: Not applicable

Key Site/EIR Project Manager: Ms. Chelsea Ayala, Michael Brandman Associates (MBA), was identified as the CEQA Project Manager

### **4.7 *Reason for Performing Screening Level Environmental Analysis***

PG&E plans to install an underground natural gas pipeline from Esparta in Yolo County to Roseville in Placer County. These pipelines are identified as Line 406 and Line 407. The purpose of this supplemental "screening level" ESA is to assist in identifying any potential hazardous materials that could exist within the proposed project's alternative alignments, as part of the EIR's Alternatives Analysis, and the risk of upset of hazardous materials that could occur during implementation and construction of the project (per CEQA significance criteria).

### **4.8 *Other***

Ms. Chelsea Ayala, MBA affiliate, supplied Hanover with supplemental information regarding the alternative alignments, including alternative alignment descriptions and aerial photos depicting their locations. Background data was utilized to distinguish project boundaries and landscape details. No known recognized environmental conditions were reported or recorded by MBA or their affiliates.



## 5 Site Reconnaissance

### 5.1 *Methodology and Limiting Conditions*

A Hanover representative performed a site reconnaissance of the alternative alignments on August 19 and 21, 2008, the purpose of which was to obtain information indicating the likelihood of identifying recognized environmental conditions.

The periphery of each alternative alignment was visually and/or physically observed. Parcels within the alternative routes were viewed from all adjacent public thoroughfares and right-of-ways. For general information about the subject properties, Hanover relied on information provided by MBA, which included a summary of each alternative and aerial location maps.

While the Hanover representative collected reasonably ascertainable historical information, gaps in evidence of individual property uses exists; please refer to Section 2.4, Limitations, Exceptions and Data Gaps, of this report.

### 5.2 *General Site Setting*

Weather conditions during the August 19 and 21, 2008 site inspections were dry and cloudy with temperatures in the 90°F range. With the exception of a portion of alternative alignment Option G, the alternative routes were primarily undeveloped. Adjoining properties were agricultural residential in nature. Please refer to Appendix A-Project Alternatives, Appendix B-Alternate Routes Maps 1 through 6, and Appendix C-Site Reconnaissance Photographs.

### 5.3 *Alternative Route Options and Observations*

#### 5.3.1 *Option A*

##### 5.3.1.1 Description

From existing Lines 400 and 401, this alternative would follow CR 16 to I-505, then head north through a grape vineyard to align with CR 15B on the west side of I-505. The route would continue east on CR 15B through the Dunnigan Hills and across Smith Creek until CR 15B it becomes CR 93. From this juncture, this alternative would continue east from the intersection of CR 15B and CR 93, and proceed cross-country to Line 172A just south of the town of Dufour. It would then parallel Line 172A south to the tie-in point with Line 172A and Line 407, north of the town of Yolo.

##### 5.3.1.2 Exterior Observations

- Option A (Photos 1-5)
  - County Road (CR) 16 was not accessible west of CR 85. An organic farm was located to the north and east.
  - At CR 87 an abandoned, empty steel diesel tank was located near an irrigation canal. There was no visual evidence of staining around the tank, nor odors in the surrounding vicinity. Based upon the observations around the location of the tank it was not considered as a recognized environmental condition. Refer to Photo 5.
  - East of Highway 505, Option A followed CR 15B. North of CR 15B a wine processing facility was being constructed. Option A was not accessible east of CR 93.
  - Based upon the observations made and review of current aerial photos identifying the proposed alignment, no recognized environmental conditions were observed.

### 5.3.2 *Option B*

#### 5.3.2.1 Description

Option B starts 1.5 miles north of the preferred L-400/401/406 connection point, and travels east along farm roads, crossing CR 86 and aligning with CR 16. The route would continue along the south side of CR 16 for approximately three miles to CR 86, and then turn south along farm roads to a point intercepting the proposed I-505 crossing.

#### 5.3.2.2 Exterior Observations

- Option B (Photos 6-7)
  - County Road (CR) 16 was not accessible west of CR 85.
  - Based upon the observations made from public thoroughfares and review of current aerial photos identifying the proposed alignment there were no recognized environmental conditions in association with this alternative route.

### 5.3.3 *Option C*

#### 5.3.3.1 Description

Option C follows the proposed alignment of Line 406 from the Capay Metering Station to the Hungry Hollow Canal, which it parallels northeast until crossing to line up with an unnamed farm road to the east. This alternative crosses CR 85 and runs east along the farm road and the northern edge of Microp Limited Property, APN # 048-140-140-191. At the end of the property, the route turns south along another unnamed farm road until it intersects the proposed Line 406 route, which it then follows to the Yolo Junction Station. This option would increase the overall pipeline length by roughly 1,150 feet.

#### 5.3.3.2 Exterior Observations

- Option C
  - Not accessible due to a private drive.
  - Aerial maps were used to supplement a physical inspection of this route.
  - Based upon the observations made from the aerial photographs, there are no recognized environmental condition in association with this alternative.

### 5.3.4 *Option D*

#### 5.3.4.1 Description

This alternative would involve a minor variation to the proposed Line 406 in the vicinity of the Hungry Hollow area in north-central Yolo County, but it would maintain Line 406 within CR 17 east of CR 87, and then travel south after crossing an unnamed irrigation lateral where it would realign with the proposed Line 406 route, just west of the I-505 HDD crossing. East of I-505, this alternative would follow the same alignment as the proposed Project.

#### 5.3.4.2 Exterior Observations

- Option D (Photos 9-11)
  - An empty 1,000-gallon poly aboveground storage tank (AST) was located on the eastern portion of the route.
  - Ten (10) transformers are located along this alignment; no leaks were observed.
  - Based upon the observations made from public thoroughfares there are no recognized environmental condition in association with the subject route.

### 5.3.5 *Option E*

#### 5.3.5.1 Description

Option E would involve a minor realignment of the proposed Line 406 route. This would position the route to follow CR 19, east of CR 87. At CR 19A, it would extend back to the north via an existing dirt road and underneath a large electrical transmission corridor. This variation would then cross an irrigation lateral and continue north where it would converge back with the proposed Line 406 route, just west of I-505. From here this alternative would follow the same route as the proposed Project east of I-505.

#### 5.3.5.2 Exterior Observations

- Option E (Photos 12-14)
  - Two (2) transformers are located along this alignment; no leaks were observed.
  - One (1) agricultural pump facility is located along this alignment; no leaks were observed.
  - Based upon the observations made from public thoroughfares there are no recognized environmental condition in association with the subject route.

### 5.3.6 *Option F*

#### 5.3.6.1 Description

Option F follows the preferred alignment for Line 406 from Lines 400 and 401 to the eastern end of the Dunnigan Hills, where it turns north off CR 17 approximately 5,000 feet west of CR 95A in order to avoid segmenting a row crop field. This alternative would not alter the length of the segment, but would align with the I-5 crossing further west of the proposed alignment.

#### 5.3.6.2 Exterior Observations

- Option F
  - Not accessible due to a private drive.
  - Aerial maps were used to supplement a physical inspection of this route.
  - Based upon the observations made from the aerial photographs there are no recognized environmental condition in association with the subject route.

### 5.3.7 *Option G*

#### 5.3.7.1 Description

Option G is located at the western end of Line 407 West, just east of the Yolo Junction Station and existing Line 172A. This alternative leaves the proposed Yolo Junction station and aligns with an un-named farm road, which it follows along a field edge until the intersection of CR 16A and CR 98. This alternative would not alter the length of the segment.

#### 5.3.7.2 Exterior Observations

- Option G
  - This alignment was not accessible from a public roadway or right-of-way.
  - Aerial maps were used to supplement a physical inspection of this route.
  - Structural development is observed on the eastern portion of this route.
  - Based upon the observations made from the aerial photographs there is not enough information to determine if recognized environmental conditions exist.

### 5.3.8 *Option H*

#### 5.3.8.1 Description

Near the western levee of the Yolo Bypass, this option would head southeast through agricultural fields within the Yolo Bypass to a point on the Sacramento River directly across from West Elverta Road. It would then cross the Sacramento River and parallel West Elverta Road to Powerline Road. The route would head north paralleling Powerline Road to Riego Road and would then parallel Riego Road through the Natomas Basin Conservancy to Steelhead Creek. The route would parallel the northern border of the Placer Vineyards Specific Plan area along Baseline Road (Riego Road becomes Baseline Road in Placer County) until the tie-in with Line 123 at the intersection of Baseline and Fiddymont Roads.

#### 5.3.8.2 Exterior Observations

- Option H
  - Portions of this route were not accessible due to the lack of roads and private property.
  - Aerial maps were used to supplement a physical inspection of this route.
  - Based upon the observations made from the aerial photographs there are no recognized environmental conditions in association with the subject route.

### 5.4 *Interior Observations*

Per the scope of work for this “screening level” analysis, access to areas where the proposed pipeline alternative alignments crossed private property was not available. Therefore, evaluation of the interior portions of the alternative alignments (areas not accessible from public roadways and right-of-ways) was not conducted. The determinations for the potential for recognized environmental conditions were based upon review of aerial maps provided by the Client and consideration of the historic land uses of the area.

## 6 Interviews

### *Interview with Property Owner Representative*

Interviews were not conducted as a part of this “screening level” assessment.

### *Interviews with Local Government Officials*

Interviews were not conducted as a part of this “screening level” assessment.

## 7 Findings, Opinions, and Conclusions

Hanover Environmental Services, Inc. (Hanover) has performed a “screening level” ESA. This “screening level” assessment follows the format outline of the EPA’s Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and ASTM Standard Practice for Environmental Site Assessments E 1527-05 for the subject properties described as alternative routes Options A through H. Any exceptions to, or deletions from standard practices are described in Section 2.4 of this report.

While no environmental site assessment can fully eliminate the uncertainty regarding the potential for recognized environmental conditions, the ASTM standard does cite the balance between appropriate levels of inquiry and the cost of such exhaustive investigations.

Using the information provided by MBA, including aerial photos depicting the locations of each alternative alignment Option, and site reconnaissance, this assessment has revealed no evidence of recognized environmental conditions in connection with the alternative alignment Options A through H at this time.

However, given the limited access to the alternative alignments Options, particularly Option G, a site specific evaluation and complete Phase 1 Environmental Site Assessment that meets the requirements of

applicable standards and practices should be conducted once a final alignment has been identified and prior to construction activities; thereby providing an “all appropriate inquiry” into the previous uses of applicable properties and the potential for risk of upset to hazardous materials.

## **8 Qualification and Signature**

Hanover Environmental Services, Inc. has performed this supplemental “screening level” assessment under my supervision. Where applicable, this assessment has been conducted in accordance with generally accepted environmental practices and procedures, as of the date of this report. However, all Limitations, Exceptions, and Data Gaps are described in Section 2.4 of this report. Because this is a “screening level” assessment, it is not the intention of this evaluation to meet the criteria and standards of the Environmental Protection Agency’s (EPA) Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and American Society for Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments E 1527-05.

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this assessment are based upon site conditions readily observed or were reasonably ascertainable and present at the time of the site inspections.

The conclusions and recommendations stated in this report are based upon personal observations made by employees of Hanover Environmental Services, Inc. and upon information provided by others. I have no reason to suspect or believe that the information provided is inaccurate.

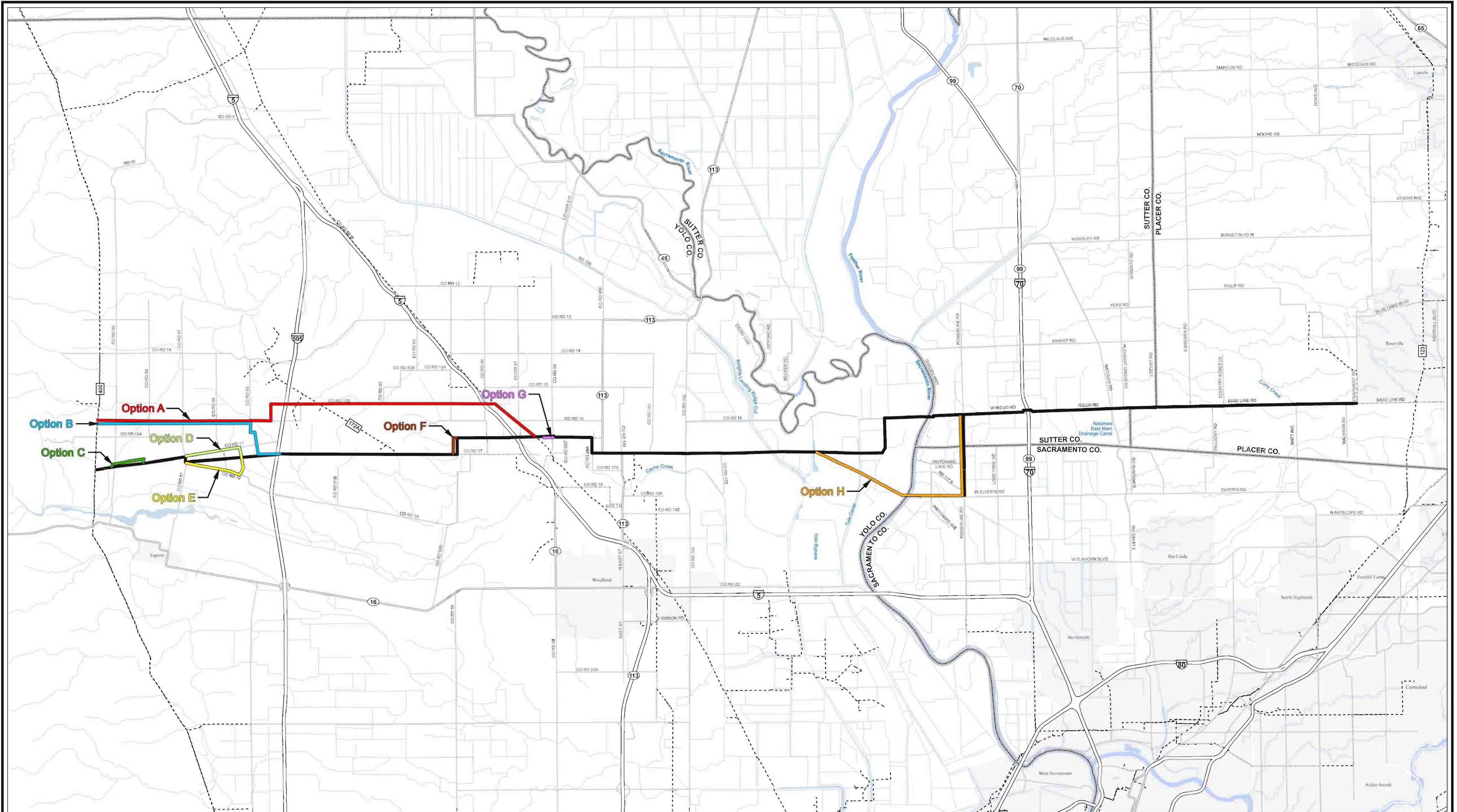
Signature of Senior Environmental Assessor - *Will Bono, REA #04233*



\_\_\_\_\_  
Signature/Seal of Senior Environmental Assessor

28 August 2008  
Date

## Appendix A-Project Alternatives Map



# Line 406 and Line 407 Pipeline Project Project Alternatives to Evaluate

Preferred Route	Existing Gas Pipeline	Incorporated Area
<b>Options</b>	Highway	County Boundary
<b>A</b>	Roads	Hydrology
<b>B</b>		
<b>C</b>		
<b>D</b>		
<b>E</b>		
<b>F</b>		
<b>G</b>		
<b>H</b>		

0 1 2 3 4 5 10 Miles

Scale 1: 80,000 when printed on 24x36 paper

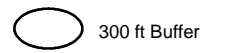
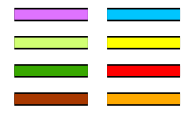
# Appendix B-Alternate Routes



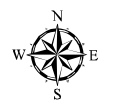
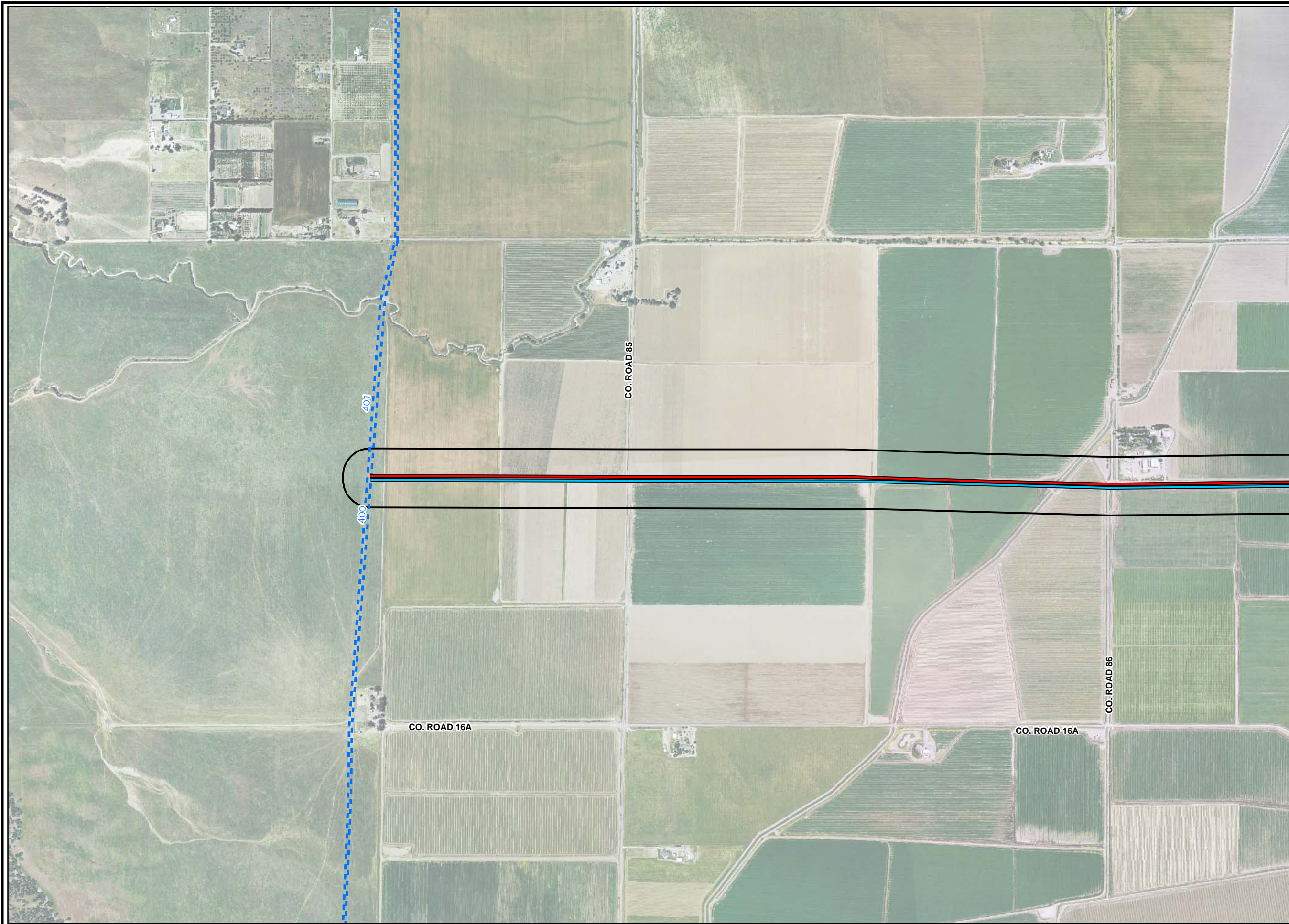
# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 1 of 6

Alternatives to Evaluate



- Preferred Route
- Bore/ HDD
- Alternate Bore/HDD
- Existing Gas Pipeline of Interest



0 250 500 1,000 feet

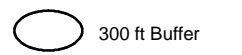
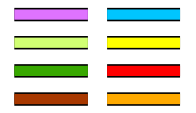
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 2 of 6

Alternatives to Evaluate



- Preferred Route
- Bore/ HDD
- Alternate Bore/HDD
- Existing Gas Pipeline of Interest



0 250 500 1,000 feet

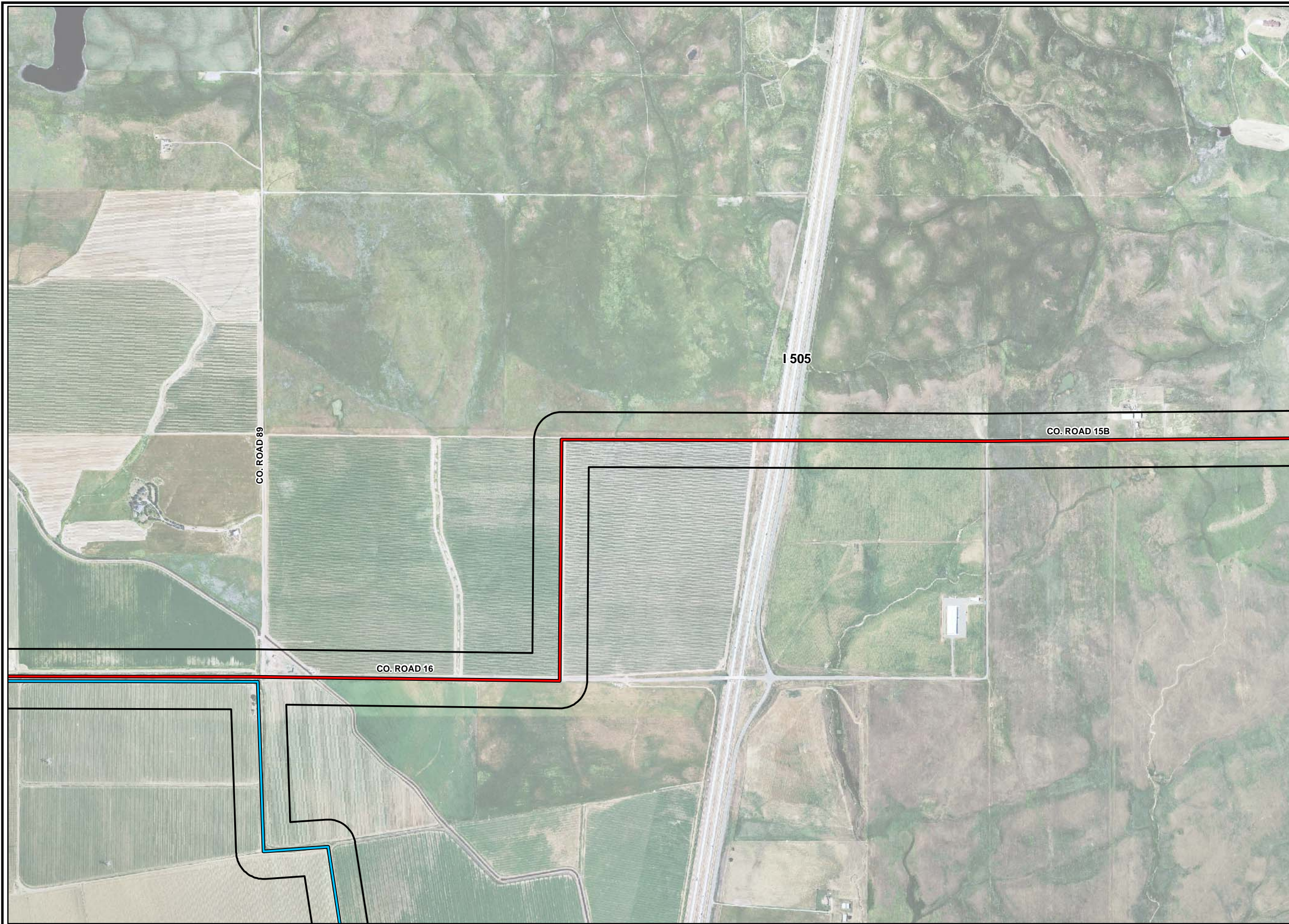
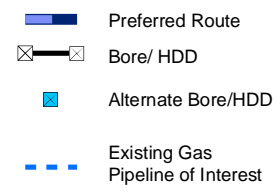
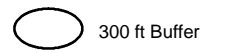
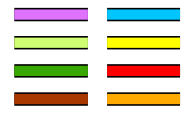
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 3 of 6

Alternatives to Evaluate



0 250 500 1,000 feet

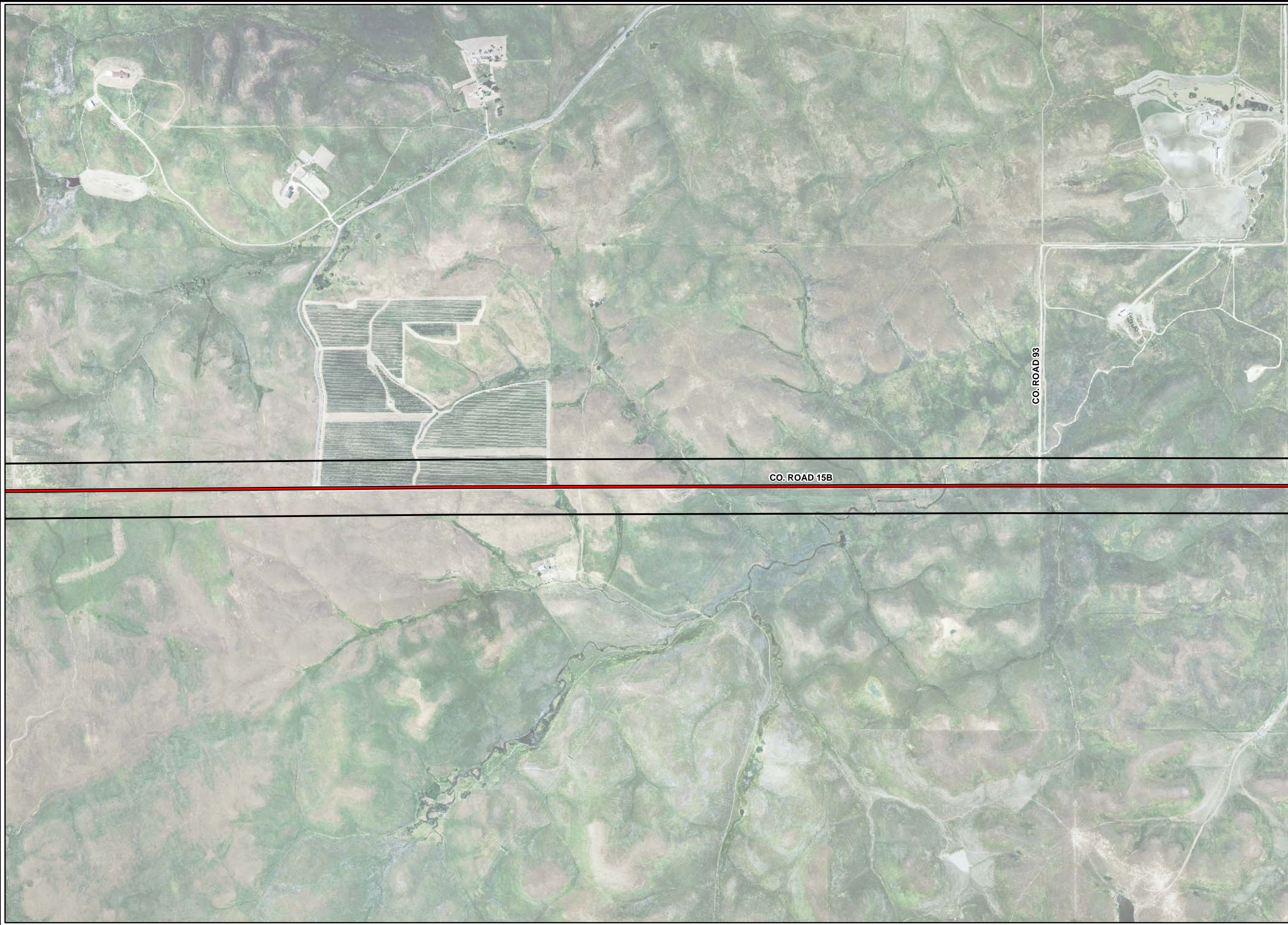
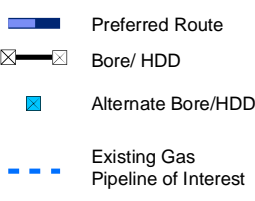
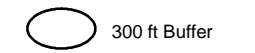
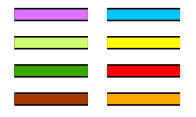
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 4 of 6

Alternatives to Evaluate



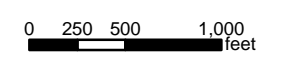
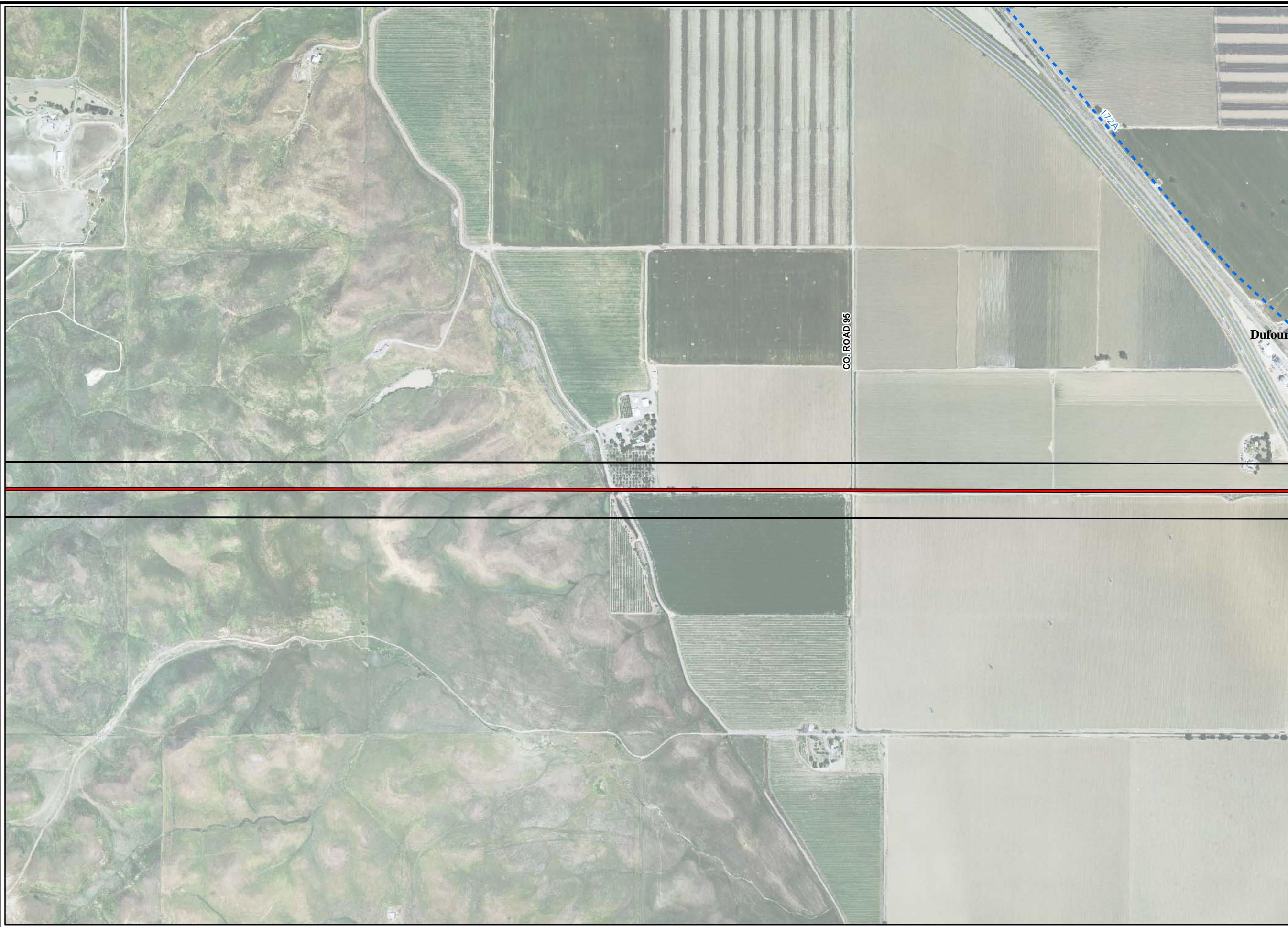
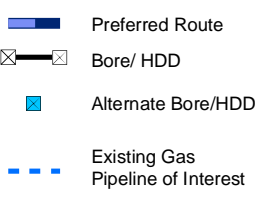
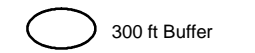
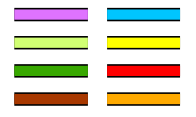
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 5 of 6

Alternatives to Evaluate



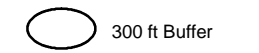
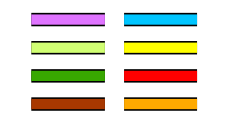
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



**Line 406 and Line 407  
Pipeline Project  
Alternate Routes**

Map 6 of 6

Alternatives to Evaluate

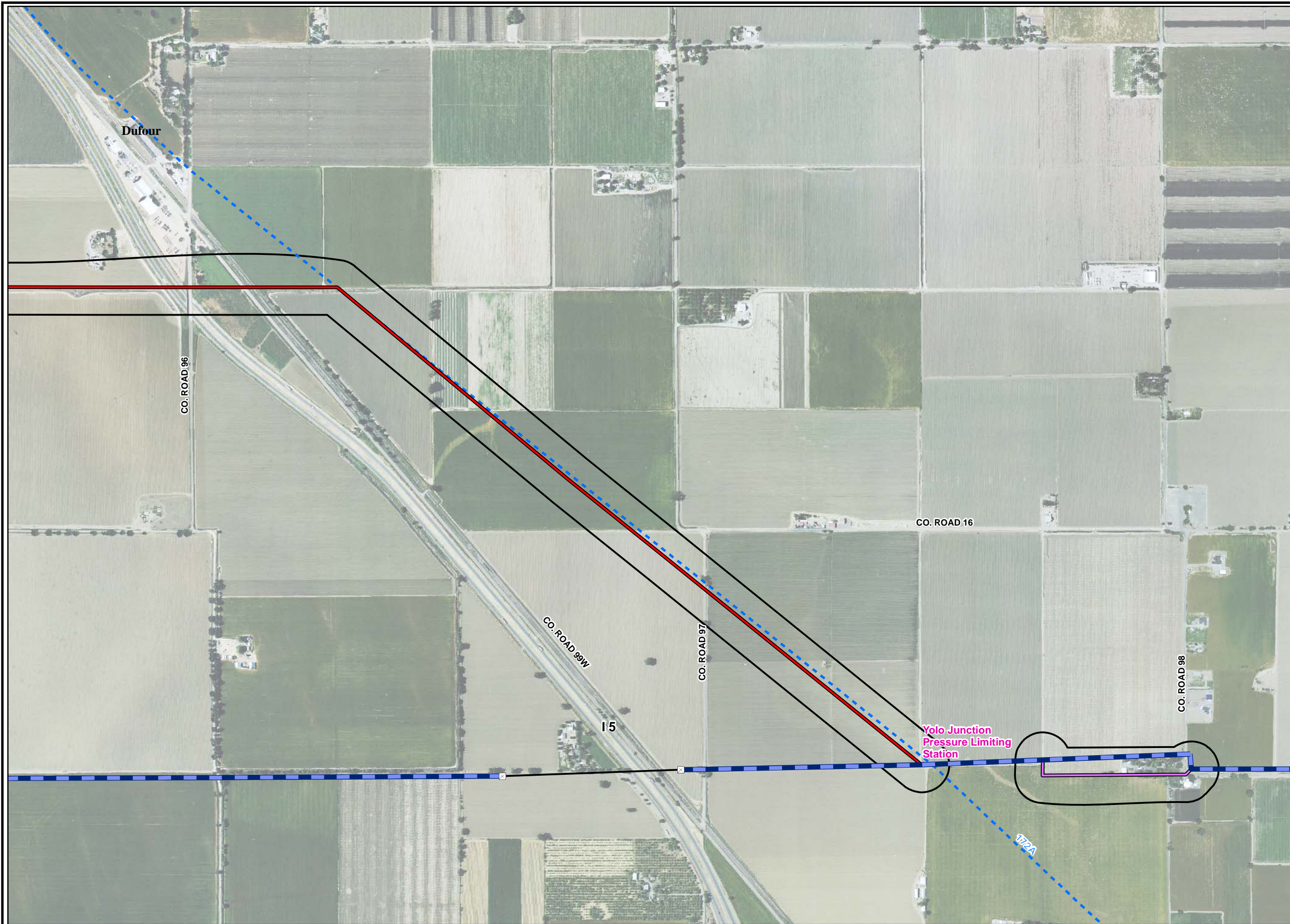


Preferred Route

Bore/ HDD

Alternate Bore/HDD

Existing Gas Pipeline of Interest



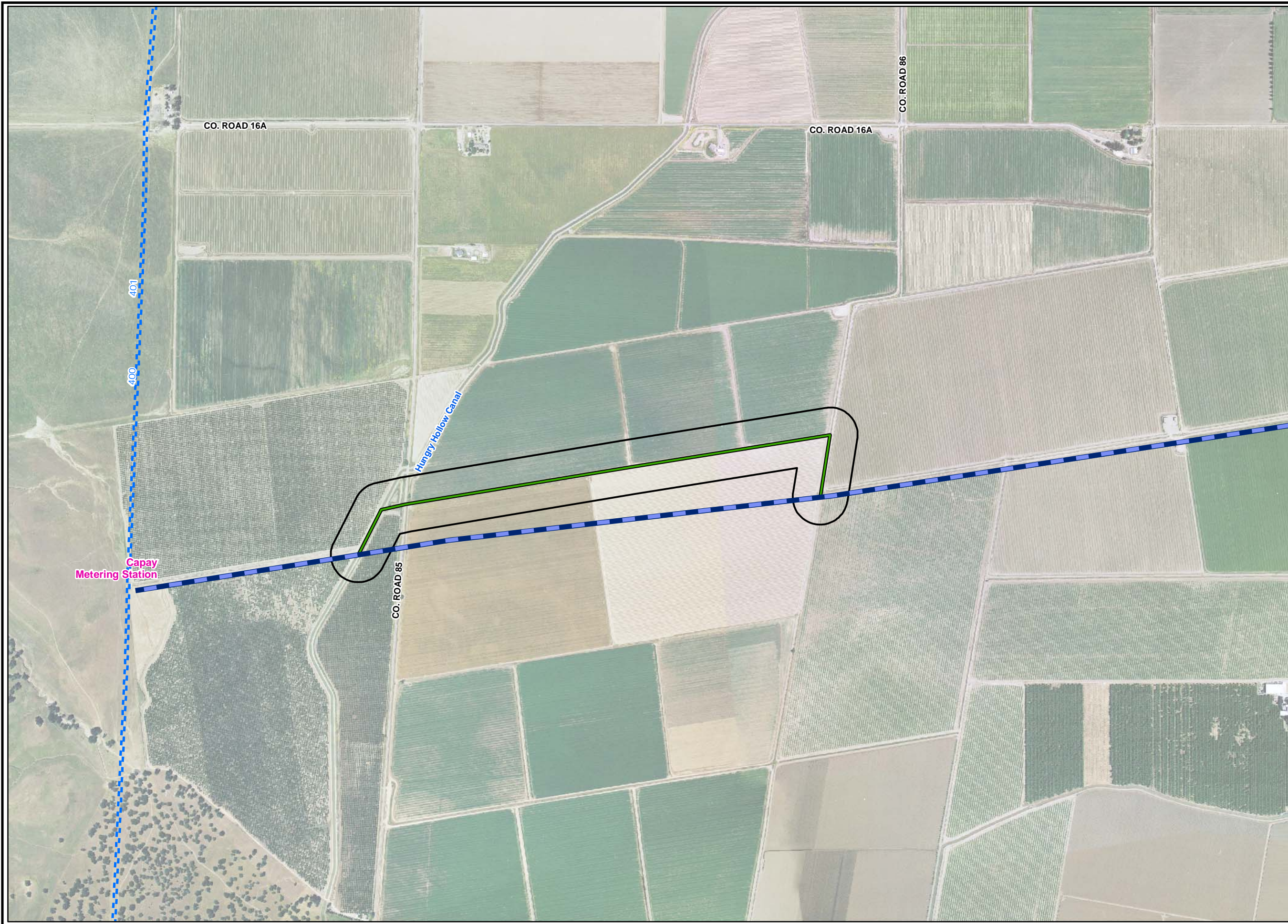
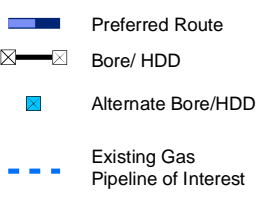
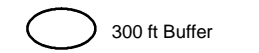
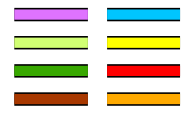
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 1 of 1

Alternatives to Evaluate



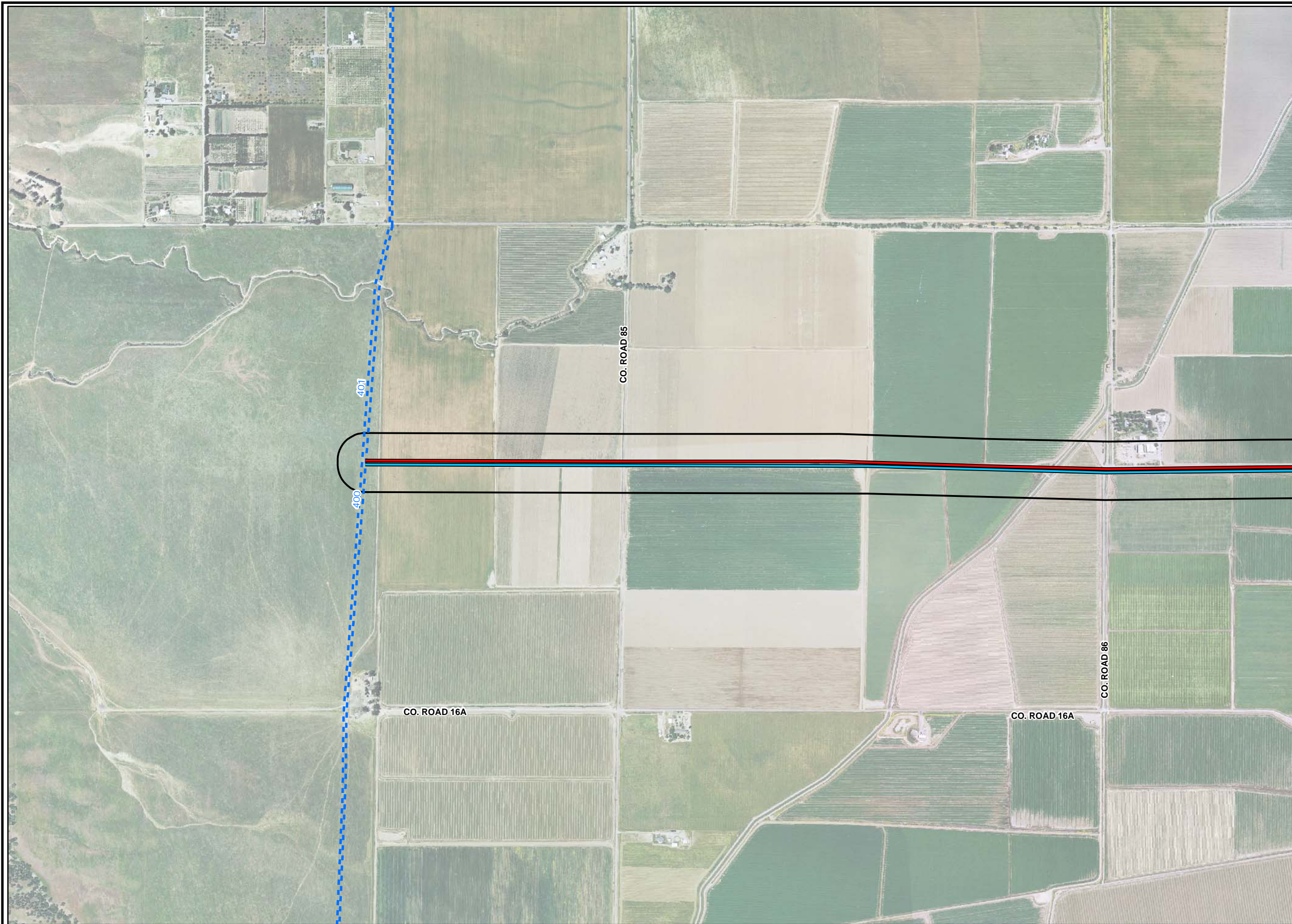
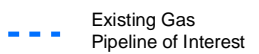
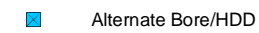
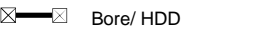
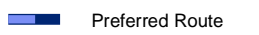
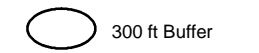
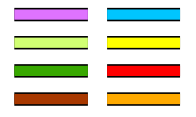
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



**Line 406 and Line 407  
Pipeline Project  
Alternate Routes**

Map 1 of 3

Alternatives to Evaluate



Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17

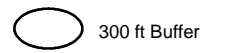
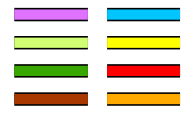




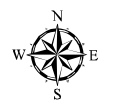
# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 2 of 3

Alternatives to Evaluate



- Preferred Route
- Bore/ HDD
- Alternate Bore/HDD
- Existing Gas Pipeline of Interest



0 250 500 1,000 feet

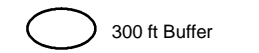
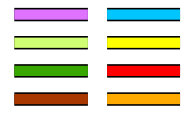
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17







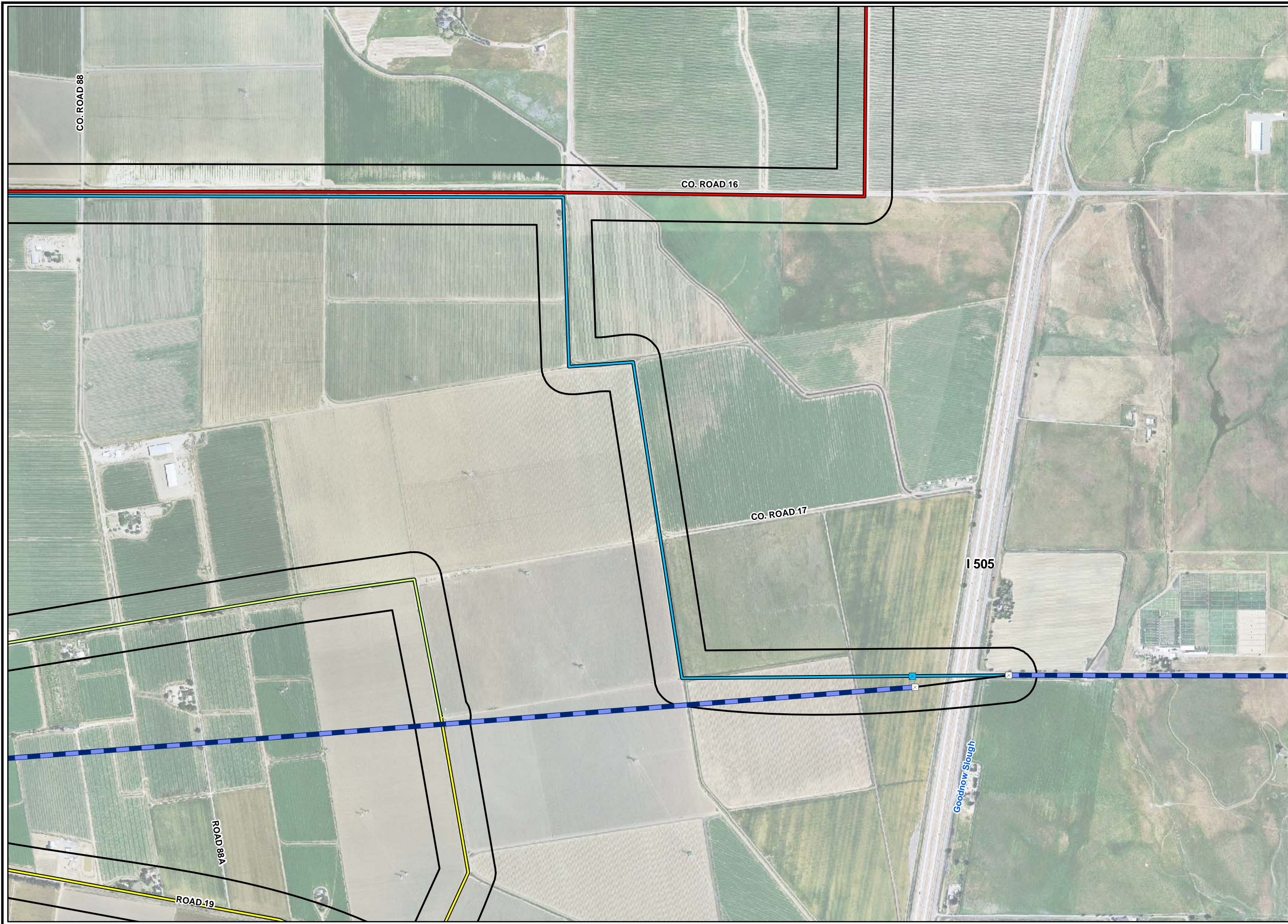
**Line 406 and Line 407 Pipeline Project  
Alternate Routes**

Map 3 of 3

Alternatives to Evaluate



-  Preferred Route
-  Bore/ HDD
-  Alternate Bore/HDD
-  Existing Gas Pipeline of Interest



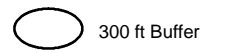
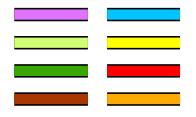
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



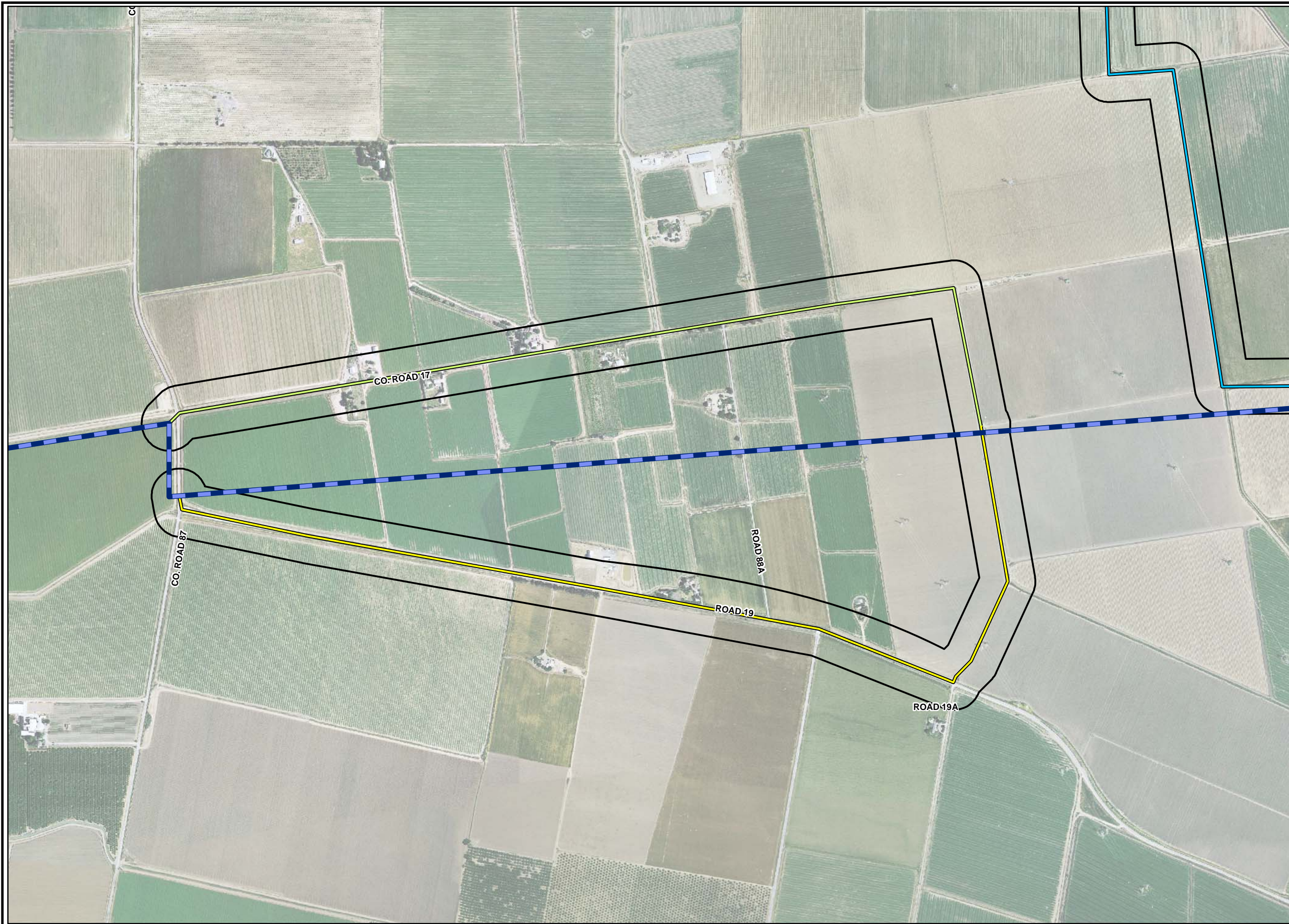
# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 1 of 1

Alternatives to Evaluate



- Preferred Route
- Bore/ HDD
- Alternate Bore/HDD
- Existing Gas Pipeline of Interest



0 250 500 1,000 feet

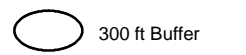
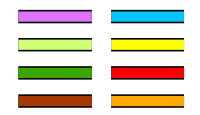
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17







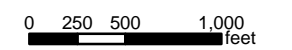
# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 1 of 3

Alternatives to Evaluate



-  Preferred Route
-  Bore/ HDD
-  Alternate Bore/HDD
-  Existing Gas Pipeline of Interest



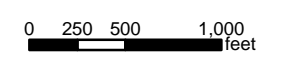
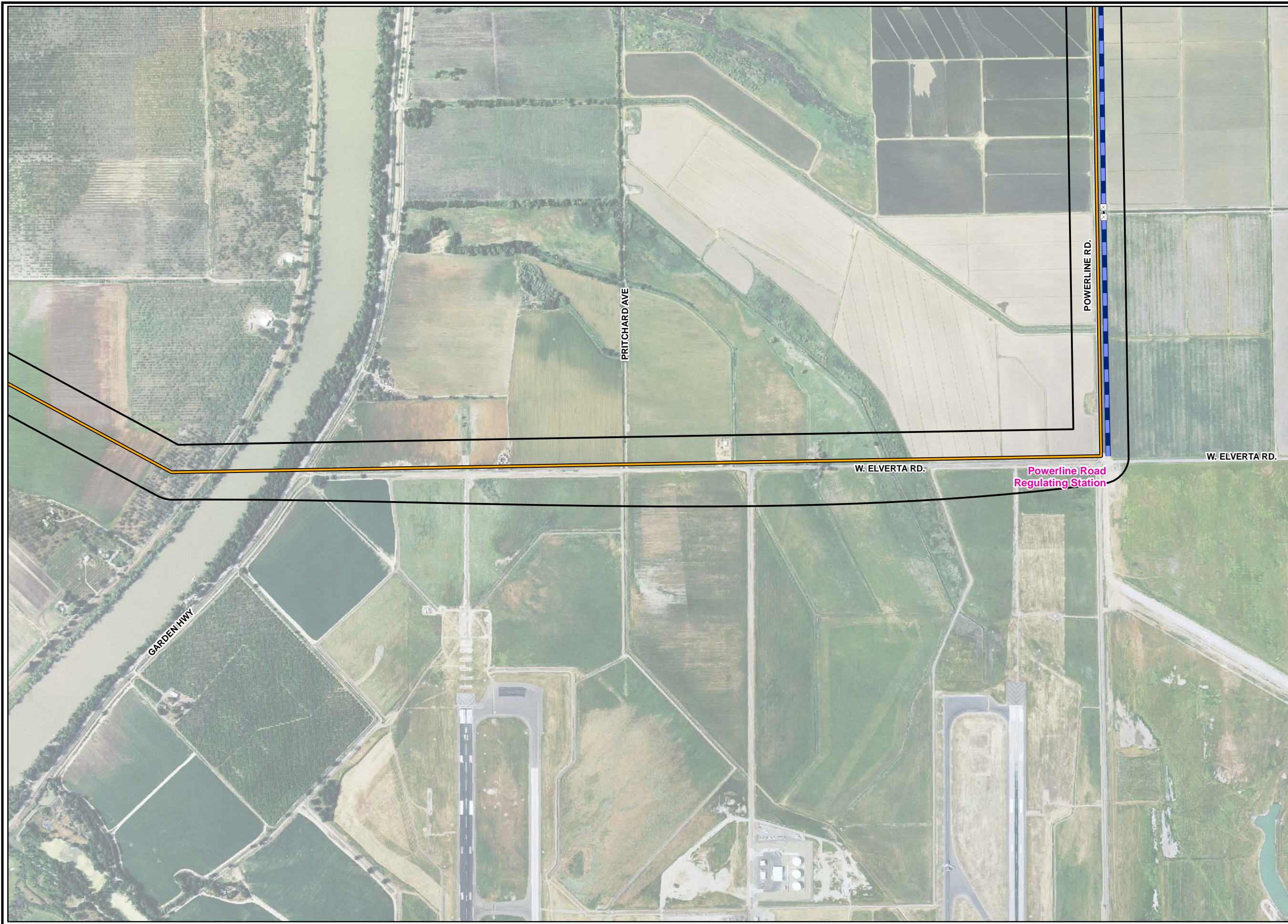
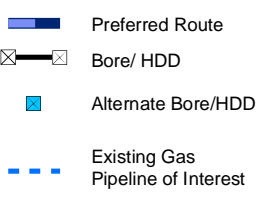
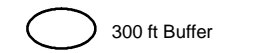
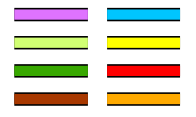
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



**Line 406 and Line 407 Pipeline Project  
Alternate Routes**

Map 2 of 3

Alternatives to Evaluate



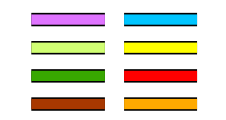
Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



# Line 406 and Line 407 Pipeline Project Alternate Routes

Map 3 of 3

Alternatives to Evaluate

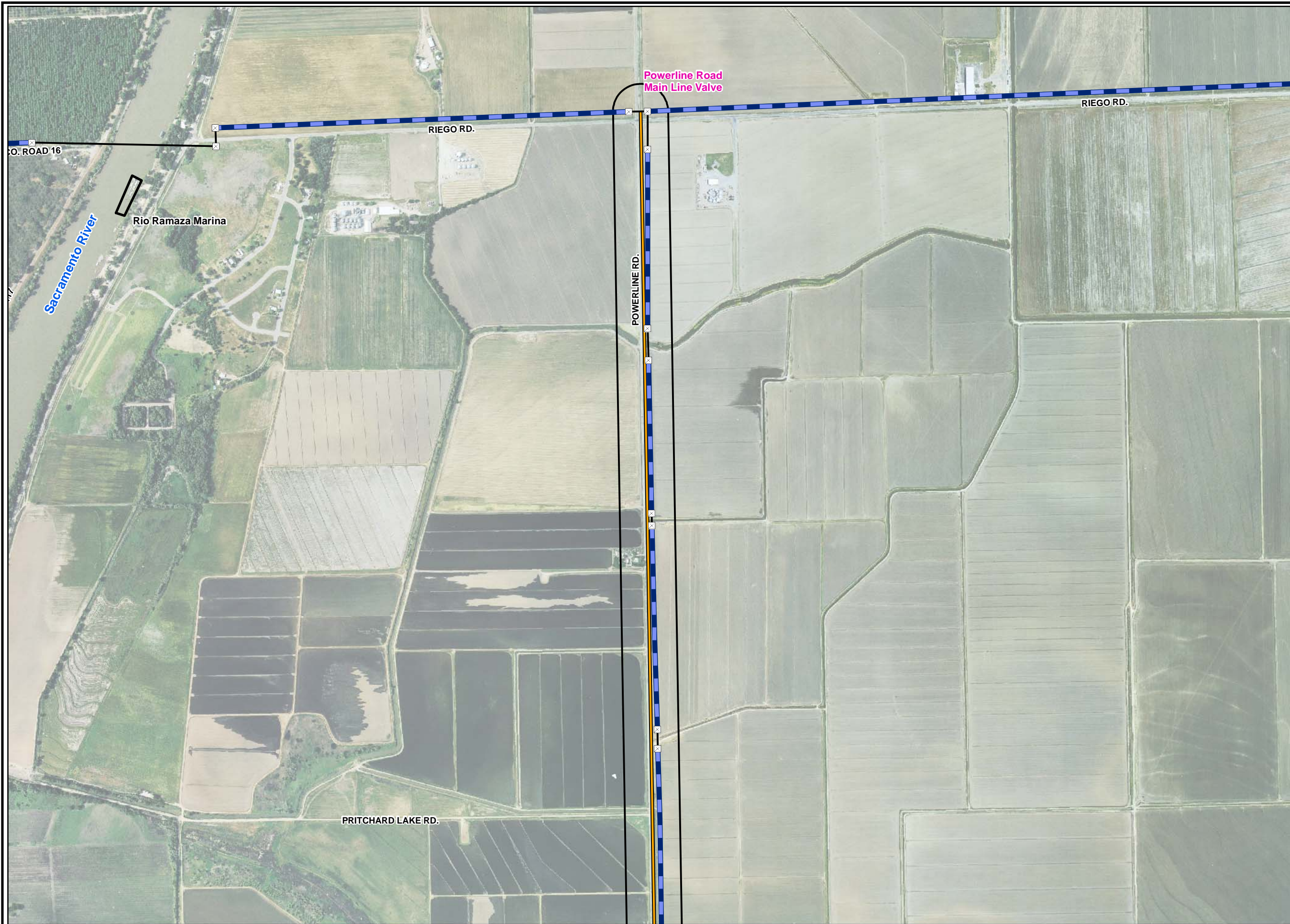


Preferred Route

Bore/ HDD

Alternate Bore/HDD

Existing Gas Pipeline of Interest



Scale 1: 12,000  
1 inch equals 1,000 feet  
when printed size 11x17



**Appendix C-Site Reconnaissance Photographs**



**Photo 1:** Option A viewing in a westerly direction from CR 15B.



**Photo 2:** Option A viewing in a easterly direction from CR 15B.



**Photo 3:** Option A viewing west from CR 15B.





**Photo 4:** Option A viewing east from CR 15B.



**Photo 5:** Empty steel diesel tank near Option A & B next to an irrigation canal adjacent to CR 87



**Photo 6:** Option A & B viewing in a westerly direction from CR 86.



**Photo 7:** Option A & B viewing in a easterly direction from the corner of CR 86 & CR 16.



**Photo 8:** Agricultural pumping facility north of CR 16, west of CR 89 viewing in a northerly direction.



**Photo 9:** Option D viewing in an easterly direction along CR 17



**Photo 10:** 3 pole-mounted transformers near Option D viewing east.



**Photo 11:** AST between Option D and E near the preferred route viewing east.



**Photo 12:** Option E viewing in an easterly direction along CR 19



**Photo 13:** A pole-mounted transformer on the southeast corner of Option E viewing in a northerly direction.



**Photo 14:** Option E viewing in a southerly direction from CR 17.

## Appendix D: Qualifications



## **WILLIAM BONO, R.E.A.**

### **PRESIDENT AND CHIEF OPERATING OFFICER**

---

#### **EDUCATION**

- New York State University, Brockport, Liberal Arts program, 1970
- San Mateo College, A&P Certificate program, 1972
- UC Davis Extension, Site Assessment and Remediation Certificate Program
- Health and Safety Training for Hazardous Waste Sites, 40 hours
- OSHA Health and Safety Training Refresher Course, 8 hours

#### **PROFESSIONAL HISTORY**

- Will Bono Construction, Marin Co., CA, President 1976-1993
- Will Bono Environmental Services, Chico, CA, 1993-1995
- Hanover Environmental Services, Inc., Chico, CA; President/CEO, 1995 to present

#### **PROFESSIONAL AFFILIATIONS**

- California State Contractor License, #323819, Class A, Hazardous Substance Removal
- California State Contractor License, #323819, Class B
- California State Contractor License, #323819, Class C
- Registered Environmental Assessor, Class I REA #04233

#### **REPRESENTATIVE EXPERIENCE**

As President and Chief Operating Officer of Hanover, Mr. Bono has managed numerous environmental projects ranging from site assessments to characterization, remediation, and closure. His project experience includes design and construction of commercial buildings, site remediation, commercial fueling system design and construction projects. Since 1976 Mr. Bono has conducted business continuously with annual sales reaching \$1.24M in 2001. Currently as Chief Operating Officer of Hanover, Mr. Bono manages over 40 sites in northern California under the auspices of the Regional Water Quality Control Board, the Air Quality Management District, and local county and fire department leads. His duties include allocation of equipment and personnel, billing, collection, and account maintenance.



---

## **KAMIE N. LOESER, MRTP**

### **SENIOR PLANNER / PROJECT MANAGER**

---

#### **EDUCATION**

- California State University Chico, Master of Rural and Town Planning (MRTP), 1997
- California State University Chico, BA., Geography and Planning, 1993

#### **CONTINUING EDUCATION / ADVANCED STUDIES**

- Environmental Review of California Water Projects: Legal Requirements, Approaches and Techniques, UC Davis Extension, 2008

#### **PROFESSIONAL HISTORY**

- Hanover Environmental Services, Inc., Chico, CA, Senior Planner, 2008-present
- California State University, Chico, CA, Department of Geography and Planning, Adjunct Faculty, Instructor for Environmental Impact Analysis Class/GEOG 427, Spring 2008
- Foothill Associates, Chico, CA, Senior Planner/Project Manager, 2006-2008
- Community Planning Solutions, Inc., Chico, CA, Principal Planner, 2001-2004
- Pacific Municipal Consultants, Chico, CA; Senior Planner, 1997-2001
- Northern California Planning and Research, Chico, CA, Municipal Planner, 1992-1997
- California State University Chico, Research Foundation, Chico, CA, Planning Assistant and Project Coordinator, 1995-1997
- Wastewater Design Assessment District, Paradise, CA, Research Analyst, 1991-1993

#### **PROFESSIONAL AFFILIATIONS**

- American Planning Association
- Association of Environmental Professionals

#### **REPRESENTATIVE EXPERIENCE**

Ms. Loeser has over 15 years of experience in community and environmental planning and consulting both in the private and public sectors. Ms. Loeser is the Senior Planner/Project Manager for the Environmental Planning and CEQA/NEPA Service Area for Hanover and is responsible for overseeing and managing environmental and community planning projects and subsequent regulatory permitting. Ms. Loeser has managed dozens of CEQA projects from Initial Studies/Environmental Checklists and Mitigated Negative Declarations to Environmental Impact Reports (EIRs) for planned developments and specific plans. Ms. Loeser has prepared several Clean Water Act Section 404 Nationwide Permits and Section 401 Water Quality Certification applications, Fish and Game Code Section 1600 Notification of Streambed Alteration applications and state agency encroachment permits. In addition, she has worked on a variety of planning projects including general plan updates, specific plans, zoning ordinance amendments, recreation master plans, watershed management plans, visual resource assessments, community

action plans, and economic development plans. Her educational background emphasizes community and rural development with particular focus on land use planning, community enhancement, visual design, natural resource management, recreation planning and environmental impact analysis. In addition, Ms. Loeser is the Instructor for the Environmental Impact Analysis course for the Department of Geography and Planning at California State University, Chico. Ms. Loeser has managed complex planning and environmental projects and values strong company and client relationships and is known for her organizational skills and personable project management style.

## **REPRESENTATIVE LIST OF PROJECTS**

### ***Community Planning Projects:***

- City of Colfax General Plan Update, 1997, City of Colfax
- City of Corning General Plan Update, 1994, City of Corning
- Community Action Plan for the Town of Washington, Nevada County
- Economic Development Plan for the Town of Washington, Nevada County
- Highway 99W Corridor Specific Plan, Initial Study/Mitigated Negative Declaration, and Zoning Ordinance Update for Mixed-Use Overlay Zone, City of Corning
- Indian Springs Vineyard Subdivision Pre-Application Submittal, Nevada County
- NWP's 12, 14, and 39 for DR Horton Home Builders, El Dorado County
- Sierra Buttes/Lakes Basin Recreation Master Plan, Sierra County
- Visual Design Guidelines for the Highway 99W Corridor, City of Corning

### ***Regulatory Permitting:***

- Bass Lake Road Improvements, El Dorado County, DR Horton Company: Nationwide Permit 14 – Linear Transportation Projects, Water Quality Certification and Notification of Streambed Alteration
- Bell Woods, El Dorado County, DR Horton Company: Nationwide Permit 39 – Residential, Commercial and Institutional Developments, Water Quality Certification and Notification of Streambed Alteration
- Bidwell Park/One-Mile Dam, City of Chico, Capital Project Services Department: Nationwide Permit 3-Maintenance
- Hawk View Ridge, El Dorado County, DR Horton Company: Post Construction Notification and Water Quality Certification
- Little Chico Creek Bridge Crossing and Bike Path, City of Chico: Notification of Streambed Alteration, Application for a Central Valley Flood Protection Board Encroachment Permit and Request for Technical Assistance from USFWS
- Pentz Rock Mine, Butte County, Granite Construction Company: Nationwide Permit 44 – Mining Activities, Water Quality Certification and Notification of Streambed Alteration



***CEQA/NEPA Environmental Documentation:***

- Butte County – Palmdale Water District Emergency Table A Water Transfer Initial Study/Negative Declaration, City of Palmdale
- Cedar Grove Church Draft EIR, City of Livermore
- Daugherty Hill Wildlife Area Land Management Plan Initial Study/Mitigated Negative Declaration, Department of Fish and Game
- Garcia Ranch Single-Family Residential Unit Initial Study/Mitigated Negative Declaration, Department of Water Resources, State Reclamation Board
- Greenback Road Widening Project Draft EIR/EIS, City of Citrus Heights
- Lake Front at Walker Ranch Administrative Draft EIR, Plumas County
- Little Chico Creek Bike Path Initial Study/Mitigated Negative Declaration, City of Chico
- Manzanita Avenue Road Widening Project Administrative Draft EIR, City of Chico
- North Fork Ranch Planned Development Administrative Draft EIR, Shasta County
- North Star Annexation Project Draft EIR, City of Grass Valley
- Northstar Village Draft EIR, Placer County
- Neal Road Landfill Expansion Draft EIR, Butte County
- New Westside Interceptor Eastside Road Alignment Initial Study/Mitigated Negative Declaration, City of Redding
- PG&E Hydrodivestiture EIR, California Public Utilities Commission
- Planned Community-2 (PC-2) Specific Plan EIR, Town of Truckee
- Pilot Hill Ranch Specific Plan Draft EIR, El Dorado County
- Presidio PUD and Community Park Draft EIR, City of Tracy
- Quail Lake Estates Draft EIR, Nevada County
- Rosamond Recreation Master Plan Initial Study/Mitigated Negative Declaration, City of Rosamond
- Roseburg Commerce Park Draft Development Plan and Draft EIR, City of Mount Shasta
- Salmon Falls Preserve Draft EIR, El Dorado County
- Shasta Valley Asphalt and Aggregate Project Draft EIR, City of Yreka
- Sierra Sky Ranch Subdivision and General Plan Amendment Draft EIR, Madera County
- Temple Beth El Draft EIR, City of Berkeley
- Village at Northstar Administrative Draft EIR, Northstar, California
- Wolf Creek Ranch Estates Draft EIR, Nevada County



## **LUKE A. SMITH, B.S., CPESC**

### **ENVIRONMENTAL SCIENTIST**

#### **EDUCATION AND CERTIFICATIONS**

- California State University, Chico, B.S., Agricultural Science, 2002
- Certified Professional in Erosion and Sediment Control, 2008

#### **SPECIALIZED TRAINING & REGISTRATIONS**

- Health and Safety Training for Hazardous Waste Sites, 40 hours
- OSHA Health and Safety Training Refresher Course, 8 hours

#### **PROFESSIONAL HISTORY**

- Hanover Environmental Services, Inc., Chico, CA; Environmental Scientist, 2004-present

#### **REPRESENTATIVE EXPERIENCE**

Mr. Smith has a diversity of practical experience that allows him to engage in projects that deal with a variety of environmental situations. As Environmental Scientist for Hanover, Mr. Smith is responsible for the research, analysis and preparation of environmental science based projects including environmental permit facilitation, Spill Prevention Control and Countermeasure (SPCC) Plans, Phase I Environmental Site Assessments (ESA), Transactional Screen Assessments (TSA), Water Pollution Control Program (WPCP) Plans, and Storm Water Pollution Prevention Plans (SWPPP). Mr. Smith has completed SPCC(s), Phase I & II ESA(s), TSA(s), WPCP(s), and SWPPP(s) in their entirety.

#### **REPRESENTATIVE LIST OF PROJECTS**

##### ***Phase I Environmental Site Assessments:***

- Battle Creek Conservation Easement (The Nature Conservancy), Battle Creek, Tehama County CA
- Smith Dairy Farm, Elk Grove, Sacramento County CA
- Mount Shasta Spring Water, Chico, Butte County CA
- Bidwell Ranch Project, Chico, Butte County CA
- City of Chico Sewer Extension, Chico, Butte County 95928
- Truckee River Canyon Property (The Nature Conservancy), Sierra and Nevada Counties
- Ishi Wilderness Augmentation Project, Mineral, Tehama County, CA 96063
- Paradise Irrigation District, Paradise, Butte County, CA
- Point Reyes Affordable Housing, Point Reyes Station, Marin County, CA
- Sloughhouse Westerberg Farms Conservation Easements (Sacramento Valley Conservancy), Elk Grove, Sacramento County, CA

##### ***SWPPP - Stormwater Pollution Prevention Plans:***

- Centerville Road Estates, Chico, Butte County CA
- Linkside Subdivision, Oroville, Butte County CA
- Del Vista Oro Subdivision, Oroville, Butte County CA
- Calle Vista Subdivision, Oroville, Butte County CA

**REPRESENTATIVE LIST OF PROJECTS (CONTINUED)**

***SPCC - Spill Prevention Countermeasure and Control Plans***

- Guy Rents, Chico, Butte County CA
- Chambers Oil, Chico, Butte County CA
- Feather River Hospital, Oroville, Butte County CA
- Northgate Petroleum, Chico, Butte County CA
- Warner Petroleum, Chico, Butte County
- Squaw Creek Inn, Stoneyford, Colusa County CA
- Youth With A Mission, Chico, Butte County CA

---

### **H-3: System Safety and Risk of Upset Report**

**PG&E Line 406/407  
Natural Gas Pipeline Project**

**System Safety and Risk of Upset**

**October 21, 2008**

Revised April 13, 2009

**EDM Services, Inc.**

3949 Heritage Oak Court  
Simi Valley, California 93063  
Web Site Address: [edmsvc.com](http://edmsvc.com)  
Phone: (805) 527-3300  
FAX: (805) 583-1607  
EDM Services Job Number 07-139-925

## **Appendix D**

# **System Safety and Risk of Upset**

This appendix D presents the potential risks to the public from the proposed PG&E Line 406/407 Natural Gas Pipeline Project. These risks would primarily result from unintentional releases of natural gas and the possibility of subsequent fires and/or explosions which could cause injuries and fatalities.

### **1.0 ENVIRONMENTAL SETTING**

#### **1.1 NATURAL GAS RISKS**

Unintentional releases of natural gas from the proposed pipelines and related facilities could pose risks to human health and safety. For example, natural gas could be released from a leak or rupture in one of the pipe segments. If the natural gas was to reach a combustible mixture and an ignition source was present, a fire and/or explosion could occur, resulting in possible injuries and/or deaths.

#### **1.2 NATURAL GAS CHARACTERISTICS**

Natural gas is comprised primarily of methane. It is colorless, odorless, and tasteless. Methane is not toxic, but is classified as a simple asphyxiate, possessing a slight inhalation hazard. If breathed in high concentration, oxygen deficiency can result in serious injury or death.

Methane has an ignition temperature of 1,000°F and is flammable at concentrations between 5 percent and 15 percent in air. Unconfined mixtures of methane in air are not explosive. However, a flammable concentration within an enclosed space in the presence of an ignition source can explode. Methane is buoyant at atmospheric temperatures and disperses rapidly in air.

## **2.0 REGULATORY SETTING**

### **2.1 FEDERAL**

The United States Department of Transportation (USDOT) provides oversight for the nation's natural gas pipeline transportation system. Its responsibilities are promulgated under Title 49, United States Code (USC) Chapter 601. The Pipeline and Hazardous Materials Safety Administration (PHMSA), Office of Pipeline Safety (OPS), administers the national regulatory program to ensure the safe transportation of gas and other hazardous materials by pipeline.

#### **2.1.1 Regulatory Framework**

Two statutes provide the framework for the Federal pipeline safety program. The Natural Gas Pipeline Safety Act of 1968 as amended (NGPSA) authorizes the OPS to regulate pipeline transportation of natural (flammable, toxic, or corrosive) gas and other gases as well as the transportation and storage of liquefied natural gas (LNG). Similarly, the Hazardous Liquid Pipeline Safety Act of 1979 as amended (HLPSA) authorizes the OPS to regulate pipeline transportation of hazardous liquids (crude oil, petroleum products, anhydrous ammonia, and carbon dioxide). Both of these Acts have been recodified as 49 USC Chapter 601.

The OPS shares portions of this responsibility with state agency partners and others at the Federal, state, and local level. The State of California is certified under 49 USC Subtitle VIII, Chapter 601, §60105. The State has the authority to regulate intrastate natural and other gas pipeline facilities. The California Public Utilities Commission (CPUC) is the agency authorized to oversee intrastate gas pipeline facilities, including those proposed by the Applicant. (The California State Fire Marshal has jurisdiction for hazardous liquid pipelines.)

#### **2.1.2 Pipeline Regulations**

The Federal pipeline regulations are published in Title 49 of the Code of Federal Regulations (CFR), Parts 190 through 199. 49 CFR 192 specifically addresses natural and other gas pipelines. Many of these pipeline regulations are written as performance standards. These regulations set the level of safety to be attained and allow the pipeline operator to use various technologies to achieve the desired result.

The proposed pipeline segments and ancillary facilities would all be designed, constructed, operated, and maintained in accordance with 49 CFR 192. Since these are intrastate facilities, the CPUC would have the responsibility for enforcing the Federal and State requirements. 49 CFR 192 is comprised of 15 subparts, which are summarized below:

- Subpart A, General – This subpart provides definitions, a description of the class locations used within the regulations, documents incorporated into the regulation by reference, conversion of service requirements, and other items of a general nature.
- Subpart B, Materials – This subpart provides the requirements for the selection and qualification of pipe and other pipeline components. Generally, it covers the manufacture, marking, and transportation of steel, plastic, and copper pipe used in gas pipelines and distribution systems.
- Subpart C, Pipe Design – This subpart covers the design (primarily minimum wall thickness determination) for steel, plastic, and copper pipe.
- Subpart D, Design of Pipeline Components – This subpart provides the minimum requirements for the design and qualification of various components (e.g. valves, flanges, fittings, passage of internal inspection devices, taps, fabricated components, branch connections, extruded outlets, supports and anchors, compressor stations, vaults, overpressure protection, pressure regulators and relief devices, instrumentation and controls, etc.
- Subpart E, Welding of Steel Pipelines – This subpart provides the minimum requirements for welding procedures, welder qualification, inspection and repair/replacement of welds in steel pipeline systems.
- Subpart F, Joining of Materials Other Than By Welding – This subpart covers the requirements for joining, personnel and procedure qualification, and inspection of cast iron, ductile iron, copper, and plastic pipe joints.
- Subpart G, General Construction Requirements for Transmission Lines and Mains – This subpart provides the minimum construction requirements, including, but not limited to: inspection of materials, pipe repairs, bends and elbows, protection from hazards, installation in the ditch, installation in casings, underground clearances from other substructures, and minimum depth of cover.
- Subpart H, Customer Meters, Service Regulators and Service Lines – This subpart prescribes the minimum requirements for these components.
- Subpart I, Requirements for Corrosion Control – This subpart provides the minimum requirements for cathodic protection systems, required inspections and monitoring, remedial measures, and records maintenance.
- Subpart J, Testing Requirements – This subpart prescribes the minimum leak and strength test requirements.



## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

- Subpart K, Upgrading – This subpart provides the minimum requirements for increasing the maximum allowable operating pressure.
- Subpart L, Operations – This subpart prescribes the minimum requirements for pipeline operation, including: procedure manuals, change in class locations, damage prevention programs, emergency plans, public awareness programs, failure investigations, maximum allowable operating pressures, odorization, tapping, and purging.
- Subpart M, Maintenance – This subpart prescribes the minimum requirements for pipeline maintenance, including: line patrols, leakage surveys, line markers, record keeping, repair procedures and testing, compressor station pressure relief device inspection and testing, compressor station storage of combustible materials, compressor station gas detection, inspection and testing of pressure limiting and regulating devices, valve maintenance, prevention of ignition, etc.
- Subpart N, Qualification of Pipeline Personnel – This subpart prescribes the minimum requirements for operator qualification of individuals performing covered tasks on a pipeline facility.
- Subpart O, Pipeline Integrity Management – This subpart was promulgated on December 15, 2003. It requires operators to implement pipeline integrity management programs on the gas pipeline systems.

In general, the requirements of the Federal regulations become more stringent as the human population density increases. To this end, 49 CFR 192 defines area classifications, based on population density in the vicinity of a pipeline and specifies more rigorous safety requirements for more heavily populated areas. The class location is an area that extends 220 yards on either side of the centerline of any continuous 1-mile length of pipeline. The four area classifications are defined as follows:

- Class 1 - Location with 10 or fewer buildings intended for human occupancy.
- Class 2 - Location with more than 10 but less than 46 buildings intended for human occupancy.
- Class 3 - Location with 46 or more buildings intended for human occupancy or where the pipeline lies within 100 yards of a building, or small well-defined outside area pipeline any occupied by 20 or more people on at least 5 days a week for 10 weeks in any 12-month.
- Class 4 - Location where buildings with four or more stories aboveground are prevalent.

Pipeline facilities located within class locations representing more populated areas are required to have a more conservative design. For example, pipelines constructed in Class 1 locations must be installed with a minimum depth of cover of 30 inches in normal soil and 18 inches in consolidated rock. Class 2, 3, and 4 locations, as well as

drainage ditches of public roads and railroad crossings, require a minimum cover of 36 inches in normal soil and 24 inches in consolidated rock. All pipelines installed in navigable rivers, streams, and harbors must have a minimum cover of 48 inches in soil or 24 inches in consolidated rock.

Class locations also specify the maximum distance to a sectionalizing block valve (e.g., 10.0 miles in Class 1, 7.5 miles in Class 2, 4.0 miles in Class 3, and 2.5 miles in Class 4 locations). Pipe wall thickness and pipeline design pressures, hydrostatic test pressures, maximum allowable operating pressure, inspection and testing of welds, and the frequency of pipeline patrols and leak surveys must also conform to higher standards in more populated areas.

The proposed pipeline facilities would be constructed within Class 1, 2, and 3 locations. Although some increase in population density adjacent to the right-of-way is anticipated, the Applicant would be required to demonstrate compliance with the more stringent requirements, reduce the maximum allowable operating pressure (MAOP) or replace the segment with pipe of sufficient grade and wall thickness to comply with 49 CFR 192 for the new class location if the population density should increase enough to change the Class location. The Applicant is conservatively designing the project as though it were located within higher area class locations, where future development is anticipated within the foreseeable future.

### **2.1.3 Pipeline Integrity Management**

49 CFR 192 Subpart O, Pipeline Integrity Management grew out of a series of pipeline incidents with severe consequences. This Subpart requires operators of gas pipeline systems in High Consequence Areas (HCA's) to significantly increase their minimum required maintenance and inspection efforts. For example, all lines located within HCA's must be analyzed by conducting a baseline risk assessment. In general, the integrity of the lines must also be evaluated using an internal inspection device or a direct assessment, as prescribed in the regulation. Two incidents in particular, raised public concern regarding pipeline safety and necessitated these relatively new requirements.

#### **Bellingham, Washington, June 10, 1999**

According to the National Transportation Safety Board (NTSB) accident report, "about 3:28 p.m., Pacific daylight time, on June 10, 1999, a 16-inch diameter steel pipeline

## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

owned by Olympic Pipe Line Company ruptured and released about 237,000 gallons of gasoline into a creek that flowed through Whatcom Falls Park in Bellingham, Washington. About one and one half hours after the rupture, the gasoline ignited and burned approximately one and one-half miles along the creek. Two 10-year-old boys and an 18-year-old young man died as a result of the accident. Eight additional injuries were documented. A single-family residence and the City of Bellingham's water treatment plant were severely damaged. As of January 2002, Olympic estimated that total property damages were at least \$45 million. But the actual total costs were likely much higher; the families of the two children settled with the operator for \$75 million less than one month prior to trial.

The following major safety issues were identified as factors during the subsequent investigation:

- excavations performed by IMCO General Construction, Inc., in the vicinity of Olympic's pipeline during a major construction project and the adequacy of Olympic Pipe Line Company's inspections thereof;
- the adequacy of Olympic Pipe Line Company's interpretation of the results of in-line inspections of its pipeline and its evaluation of all pipeline data available to it to effectively manage system integrity;
- the adequacy of Olympic Pipe Line Company's management of the construction and commissioning of the Bayview products terminal;
- the performance and security of Olympic Pipe Line Company's supervisory control and data acquisition system; and
- the adequacy of Federal regulations regarding the testing of relief valves used in the protection of pipeline systems." (NTSB 2002)

### **Carlsbad, New Mexico, August 19, 2000**

Per the NTSB accident report, "At 5:26 a.m., mountain daylight time, on Saturday, August 19, 2000, a 30-inch diameter natural gas transmission pipeline operated by El Paso Natural Gas Company ruptured adjacent to the Pecos River near Carlsbad, New Mexico. The released gas ignited and burned for 55 minutes. 12 persons who were camping under a concrete-decked steel bridge that supported the pipeline across the river were killed and their three vehicles destroyed. Two nearby steel suspension bridges for gas pipelines crossing the river were extensively damaged. According to El Paso Natural Gas Company and the figures included in the USDOT database, property and other damages or losses totaled \$998,296. However, this figure significantly understates the financial impact to the operator. Although settlements were reached

with all of the victims, the only amount disclosed was a \$14 million settlement for one of the victims. (Business Weekly)

The major safety issues identified in the NTSB investigation were as follows:

- the design and construction of the pipeline,
- the adequacy of El Paso Natural Gas Company's internal corrosion control program,
- the adequacy of Federal safety regulations for natural gas pipelines, and
- the adequacy of Federal oversight of the pipeline operator. (NTSB 2003)

### **Pipeline Integrity Management Regulations**

As noted earlier, 49 CFR 192, Subpart O, Pipeline Integrity Management, is relatively new and was developed in response to the two major pipeline incidents discussed above. In 2002, Congress passed an Act to strengthen the pipeline safety laws. The Pipeline Safety Improvement Act of 2002 (HR 3609) was passed by Congress on November 15, 2002, and was signed into law by the President in December 2002. As of December 17, 2004, gas transmission operators of pipelines in high consequence areas (HCA's) were required to develop and follow a written integrity management program that contained all of the elements prescribed in 49 CFR 192.911 and addressed the risks on each covered transmission pipeline segment.

The regulation (68 Federal Register 69778, 69 Federal Register 18228, and 69 Federal Register 29903) defines HCA's as they relate to the different area class locations, potential impact circles, or areas containing an identified site as defined in 49 CFR 192.903. The OPS published a series of rules from August 6, 2002 to May 26, 2004 (69 Federal Register 69817 and 29904) that define HCA's where a gas pipeline accident could do considerable harm to people and their property. This definition satisfies, in part, the Congressional mandate in 49 USC 60109 for the OPS to prescribe standards that establish criteria for identifying each gas pipeline facility in a high-density population area.

The HCA's may be defined in one of two ways. Both methods are prescribed by 49 CFR 192.903. The first includes:

- Current Class 3 and 4 locations;

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

- Any area in Class 1 or 2 locations where the potential impact radius is greater than 660 feet (200 meters) and the area within a potential impact circle contains 20 or more buildings intended for human occupancy; or
- Any area in Class 1 or 2 locations where the potential impact circle includes an “identified site.”

In the second method, an HCA includes any area within a potential impact circle that contains:

- 20 or more buildings intended for human occupancy; or
- an “identified site.”

“Identified sites” include areas such as beaches, playgrounds, recreational facilities, camp grounds, outdoor theaters, stadiums, recreational areas, religious facilities, and other areas where high concentrations of the public may gather periodically as defined by 49 CFR 192.903.

The “potential impact radius” is calculated as the product of 0.69 and the square root of the maximum allowable operating pressure of the pipeline in pounds per square inch gauge (psig), multiplied by the pipeline diameter in inches squared. ( $R = 0.69 * (MAOP * d^2)^{0.5}$ )

The potential impact circle is a circle with a radius equal to the potential impact radius.

Once a pipeline operator has identified the HCA’s along its pipeline(s), it must apply the elements of its integrity management program to those segments of the pipeline within the HCA’s. The pipeline integrity management rule for HCA’s requires inspection of the entire pipeline within HCA’s every 7 years.

As noted earlier, the proposed pipeline facilities are located within Class 1, 2 and 3 areas. As a result, using the first HCA definition, the portions of the line within Class 3 areas would be within an HCA. The impact radii are 646-feet and 215-feet for the 30-inch and 10-inch line segments respectively. These values are less than the 660-foot impact radius which might add additional portions to an HCA. As a result, certain portions of the Project will be required to be included in the Applicant’s Pipeline Integrity Management Plan. Should the population density increase, additional portions of the pipeline may become located within an HCA, requiring the Applicant to include the affected pipe segments in their Pipeline Integrity Management Plan.

## **2.2 STATE**

As noted earlier, these intrastate pipeline facilities would be under the jurisdiction of the CPUC, as a result of their certification by the OPS. (The State of California is certified under 49 USC Subtitle VIII, Chapter 601, §60105.) The State requirements for designing, constructing, testing, operating, and maintaining gas piping systems are stated in CPUC General Order Number 112. These rules incorporate the Federal regulations by reference, but for natural gas pipelines, they do not impose any additional requirements affecting public safety.

## **3.0 SIGNIFICANCE CRITERIA**

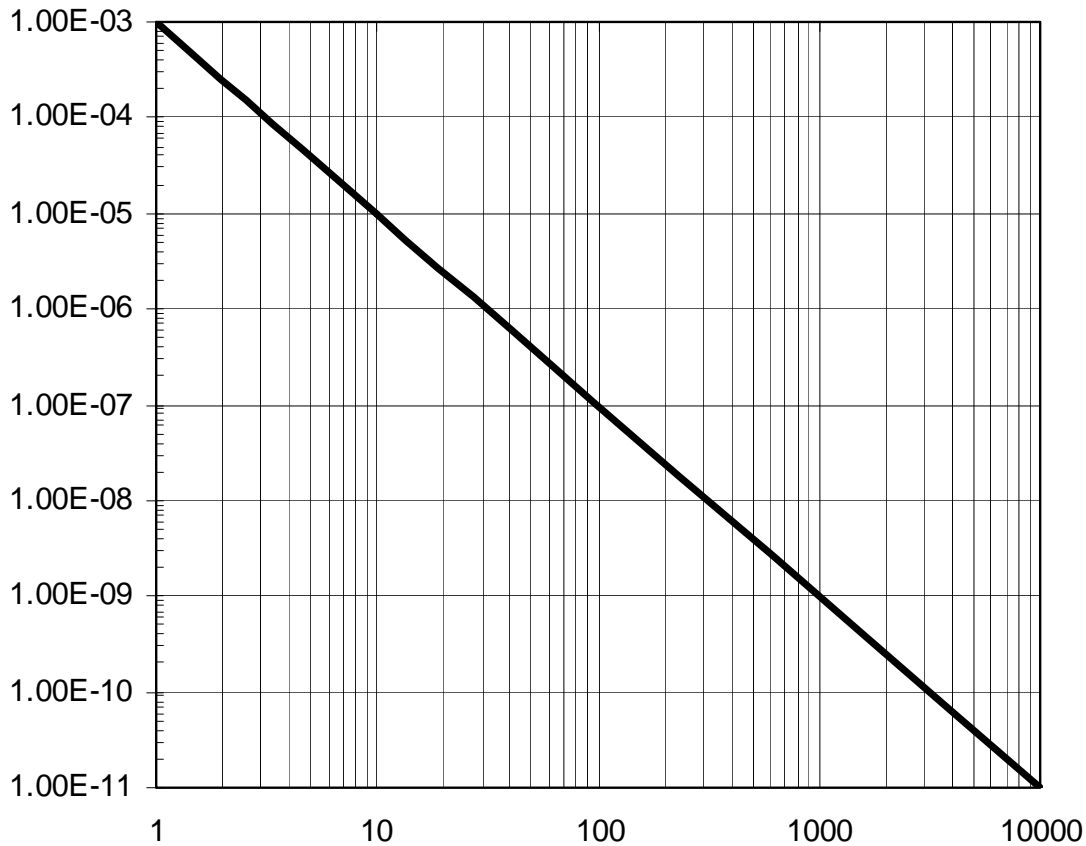
### **3.1 INDIVIDUAL RISK**

For individual fatality risks, the generally accepted significance criterion is an annual likelihood of one in one million (1:1,000,000) (CDE 2007, CPUC 2006).

### **3.2 SOCIETAL RISK**

Societal risk is the probability that a specified number of people will be affected by a given event. The accepted number of casualties is relatively high for lower probability events and much lower for more probable events. However, the acceptable values for societal risk vary greatly, depending on the responsible agency or jurisdiction. Unfortunately, there are no prescribed societal risk guidelines for the United States, nor the State of California. The United Kingdom, considers those events which result in 100 fatalities, with an annual probability of  $1.0 \times 10^{-5}$  (1:100,000) or less. The Committee for the Prevention of Disasters, uses the criteria as shown in Figure 3.2-1 below. This data is the same as the criteria used in the Netherlands and is the most conservative of the published data for Western Europe. These criteria have been used to evaluate societal risk in this document.

**Figure 3.2-1: Societal Risk Criteria**



Source: Committee for the Prevention of Disasters, The Hague

## **4.0 IMPACT ANALYSIS AND MITIGATION**

### **4.1 POTENTIAL IMPACTS**

The proposed Project could pose additional risks to the public. Natural gas could be released from a leak or rupture. If the natural gas reached a combustible mixture and an ignition source was present, a fire and/or explosion could occur, resulting in possible injuries and/or deaths.

#### **Impact HAZ-1: Injuries or Fatalities**

**An unintentional release from the proposed Project could result in injuries and/or deaths (Significant and Unavoidable, Class 1).**

#### 4.1.1 Impact Discussion

##### Fire

The physiological effect of fire to humans depends on the rate at which heat is transferred from the fire to the person, and the time the person is exposed to the fire. Skin that is in contact with flames can be seriously injured, even if the duration of the exposure is just a few seconds. Thus, a person wearing normal clothing is likely to receive serious burns to unprotected areas of the skin when directly exposed to the flames from a flash fire (vapor cloud fire).

Humans in the vicinity of a fire, but not in contact with the flames, would receive heat from the fire in the form of thermal radiation. Radiant heat flux decreases with increasing distance from a fire. So those close to the fire would receive thermal radiation at a higher rate than those farther away. The ability of a fire to cause skin burns due to radiant heating depends on the radiant heat flux to which the skin is exposed and the duration of the exposure. As a result, short-term exposure to high radiant heat flux levels can be injurious. But if an individual is far enough from the fire, the radiant heat flux would be lower, likely incapable of causing injury, regardless of the duration of the exposure.

An incident heat flux level of 1,600 Btu/hour-square foot (btu/ft<sup>2</sup>-hr) is considered by many to be potentially hazardous for people located outdoors and unprotected. Generally, humans located beyond this heat flux level would not be at risk to injury from thermal radiation resulting from a fire. The radiant heat flux effects to humans are summarized below:

- 8,000 btu/ft<sup>2</sup>-hr (25.1 kW/m<sup>2</sup>) – 50% mortality (CDE 2007).
- 5,000 btu/ft<sup>2</sup>-hr (15.7 kW/m<sup>2</sup>) – 1% mortality (CDE 2007).
- 3,500 btu/ft<sup>2</sup>-hr (11.0 kW/m<sup>2</sup>) - Second degree skin burns after ten seconds of exposure, 15% probability of fatality. This assumes that an individual is unprotected or unable to find shelter soon enough to avoid excessive exposure (Quest 2003).
- 1,600 btu/ft<sup>2</sup>-hr (5.0 kW/m<sup>2</sup>) - Second degree skin burns after thirty seconds of exposure.
- 440 btu/ft<sup>2</sup>-hr (1.4 kW/m<sup>2</sup>) - Prolonged skin exposure causes no detrimental effect (CDE 2007, Quest 2003).



**Explosion**

As noted earlier, natural gas does not explode unless it is confined sufficiently within a specific range of mixtures with air and is ignited. However, if an explosion does occur, the physiological effects of overpressures depend on the peak overpressure that reaches a person. Exposure to overpressure levels can be fatal. People located outside the flammable cloud when a combustible mixture ignites would be exposed to lower overpressure levels than those inside the flammable cloud. If a person is far enough from the source of overpressure, the explosion overpressure level would be incapable of causing injuries. The generally accepted hazard level for those inside buildings exposed to an explosion is an overpressure of 1.0 psig. This level of overpressure can result in injuries to humans inside buildings, primarily from flying glass and debris. The consequences of various levels of overpressure are outlined in the table below.

**Table 4.1.1-1 Explosion Over-Pressure Damage Thresholds**

<b>Side-On Over-Pressure</b>	<b>Damage Description</b>
0.02 psig	Annoying Noise
0.03 psig	Occasional Breaking of Large Window Panes Under Strain
0.04 psig	Loud Noise; Sonic Boom Glass Failure
0.10 psig	Breakage of Small Windows Under Strain
0.20 psig	Glass Breakage - No Injury to Building Occupants
0.30 psig	Some Damage to House Ceilings, 10% Window Glass Broken
0.50 to 1.00 psig	Large and Small Windows Usually Shattered, Occasional Damage to Window Frames
0.70 psig	Minor Damage to House Structures, Injury, but Very Unlikely to Be Serious
1.00 psig	1% Probability of a Serious Injury or Fatality for Occupants in a Reinforced Concrete or Reinforced Masonry Building from Flying Glass and Debris 10% Probability of a Serious Injury or Fatality for Occupants in a Simple Frame, Unreinforced Building
2.30 psig	0% Mortality to Persons Inside Buildings or Persons Outdoors (CDE 2007)
3.10 psig	10% Mortality to Persons Inside Buildings (CDE 2007)
3.20 psig	<10% Mortality to Persons Outdoors (CDE 2007)
14.5 psig	1% Mortality to Those Outdoors (LEES)

Sources: LEES, CDE 2007, Quest 2003

#### **4.1.2 Baseline Data**

In the following paragraphs, the anticipated frequency of unintentional releases and impacts to humans will be estimated using data from the following sources:

- United States Natural Gas Transmission and Gathering Lines (U.S. Department of Transportation [USDOT]) – 1970 through 2007.
- United States Interstate Hazardous Liquid Pipelines (USDOT) - 1984 through 1998.
- California Regulated Interstate and Intrastate Hazardous Liquid Pipelines (Payne, 1993) - 1981 through 1990.

Each of these data sets provides pipeline incident data for reportable incidents. However, the criteria for reporting incidents differ for each source. This makes direct comparison of the individual results difficult. On the other hand, it provides a methodology for estimating incident rates for a variety of consequences.

#### **U.S. Natural Gas Transmission Lines - 1970 to June 1984**

Since the USDOT natural gas pipeline reporting criteria changed in June 1984, the incident reports beginning in July 1984 have been summarized separately, in the next section of this document. The criteria for natural gas releases to be reported to the USDOT from 1970 through June 1984 were as follows:

- Resulted in a death or injury requiring hospitalization;
- Required the removal from service of any segment of a transmission pipeline;
- Resulted in gas ignition;
- Caused an estimated damage to the property owner, or of others, or both, of \$5,000 or more;
- Involved a leak requiring immediate repair;
- Involved a test failure that occurred while testing either with gas or another test medium; or
- In the judgment of the operator, was significant even though it did not meet any of the above criteria.

The frequencies of the various consequences reported during this period are summarized below.

- Reportable Unintentional Releases - 1.3 incidents per 1,000 mile-years.

## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

- Reportable Injuries - 0.096 injuries per 1,000 mile-years (0.007 public injuries per 1,000 mile-years).
- Fatalities - 0.016 fatalities per 1,000 mile-years (0.008 public fatalities per 1,000 mile-years).

It should be noted that during this 14½-year period, 36 (50%) of the total 72 fatalities and 161 (59%) of the total 274 of those injured were employees of the operating company.

### **U.S. Natural Gas Transmission Lines - July 1984 through 2007**

In June 1984, the USDOT changed the criteria for reporting natural gas releases. The most significant change was that in general, leaks causing less than \$50,000 property damage no longer required reporting to the USDOT. The criteria for natural gas releases to be reported to the USDOT from July 1984 through the present include:

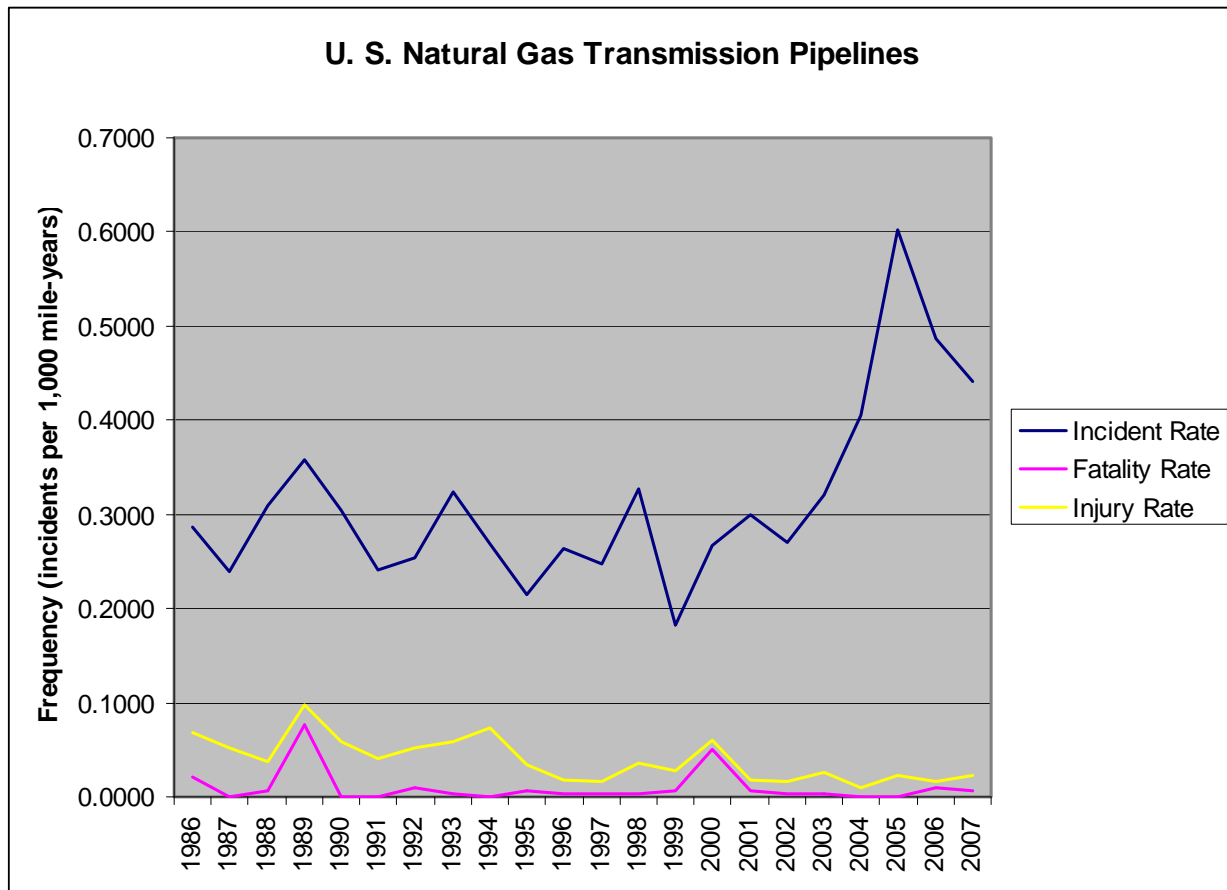
- Events which involved a release of gas from a pipeline, or of liquefied natural gas (LNG) or gas from an LNG facility, which caused: (a) a fatality, or personal injury necessitating inpatient hospitalization; or (b) estimated property damage, including costs of gas lost by the operator, or others, or both, of \$50,000 or more.
- An event which resulted in an emergency shut-down of an LNG facility.
- An event that was significant, in the judgment of the operator, even though it did not meet the criteria above.

Since the reporting threshold is now significantly greater than the prior \$5,000 reporting criteria, a significant decrease in the resulting reportable incident rate resulted. However, the frequency of reportable injuries and fatalities also decreased, indicating improvements in pipeline safety. These data are summarized below for the 22-year period from January 1, 1986 through December 31, 2007.

- Reportable Unintentional Releases - 0.31 incidents per 1,000 mile-years
- Reportable Injuries - 0.040 injuries per 1,000 mile-years
- Fatalities - 0.010 fatalities per 1,000 mile-years

In 2002, the USDOT changed their reporting forms. At this time, operators were required to begin reporting additional data for each reportable release. These changes were significant. Some of the additional reporting fields included the reporting of fires and explosions, which were not required to be identified previously.

For the most recent six year period, since the change in the USDOT reporting form (January 2002 through December 2007), there were a total of 761 reported incidents from natural gas transmission pipelines included in the database, including 35 reported injuries, and 7 fatalities. The average reported property damage was nearly \$820,000 per incident. (However, the actual value is likely higher, due to the lag in the settlement of law suits, extended duration of some clean-up and repair efforts, etc. As noted earlier, the actual cost to the operator can be significantly higher than that initially reported to the USDOT.) The average annual transmission pipeline mileage was 301,373 miles for this six year period. Using these data, the frequency of reportable incidents during this most recent six year period was up over 50% when compared to the 22-year period presented above - 0.42 incidents per 1,000 mile-years for 2002 through 2007 versus 0.27 incidents per 1,000 mile-years for 1986 through 2002. The injury and fatality rates for the most recent six year period were 0.019 and 0.004 incidents per 1,000 mile-years respectively, down significantly. These data are summarized in the following figure by year.



Source: USDOT, Incident Summary Statistics by Year and Natural Gas Transmission Pipeline Annual Mileage

Figure 4.1.2-1 U.S. Natural Gas Transmission Pipeline Incident Rate History

It should be noted that the above data, as included on the USDOT Incident Summary Statistics by Year includes 92 incidents which occurred on lines identified as “Gathering” in the USDOT incident database (USDOT). An audit of the USDOT database is beyond the scope of this work. As a result, the reason that these data have been included in the USDOT summary statistics is unknown. There are several possible reasons. The operator may have indicated the classification of the line as “Gathering” in error. The USDOT may have inadvertently included the incident data in the wrong report. However, making the maximum correction for these incidents does not significantly affect the results. The 2002 through 2007 data would be affected as follows, if the 92 incidents which occurred on lines identified as “Gathering” were deleted:

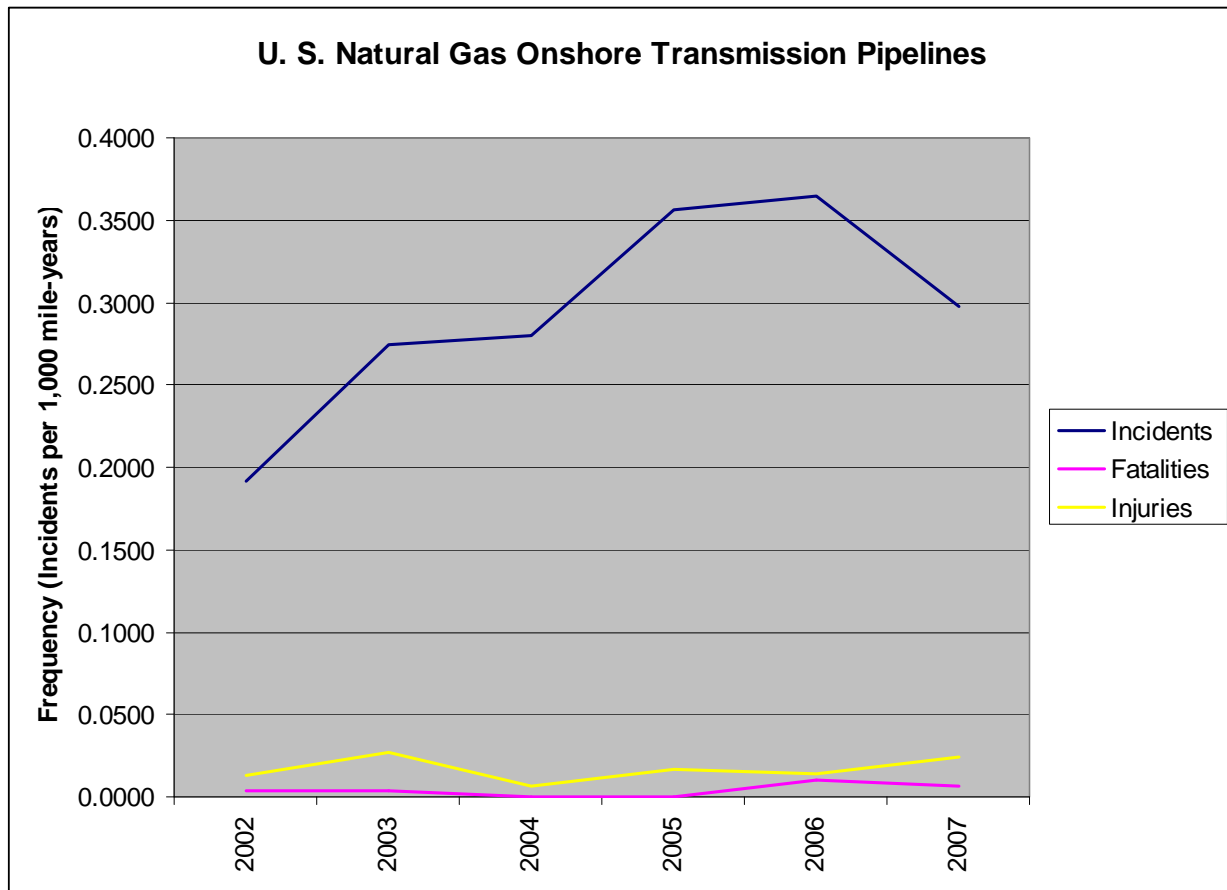
- Reportable Unintentional Releases – This figure would be reduced from 0.42 to 0.37 incidents per 1,000 mile-years

- Reportable Injuries - This figure would be reduced from 0.019 to 0.017 injuries per 1,000 mile-years
- Fatalities – This figure would be unchanged at 0.004 fatalities per 1,000 mile-years

The database also includes incidents which occurred on offshore segments of pipeline. During the six year period between January 2002 and December 2007, there were 216 such incidents. 67 of these occurred on lines identified as “Gathering”, while 149 occurred on segments identified as “Transmission”. If these offshore releases are also removed from the database, and the mileage is adjusted to only include the onshore mileage, the following incident rates result:

- Reportable Unintentional Releases – 0.29 incidents per 1,000 mile-years
- Reportable Injuries - 0.017 injuries per 1,000 mile-years
- Fatalities – 0.004 fatalities per 1,000 mile-years
- Average Property Damage - \$520,000

The data for onshore transmission pipelines only are presented in the following figure.



Source: USDOT

Figure 4.2-2 U.S. Natural Gas Onshore Transmission Pipeline Incident Rate History

### **U.S. Hazardous Liquid Pipelines - 1984 through 1998**

The criteria for hazardous liquid pipeline incidents to be reported to the USDOT for inclusion in this data set were as follows:

- Explosion or fire not intentionally set by the operator;
- Loss of more than 50 barrels (2,100 gallons) of liquid or carbon dioxide;
- Escape to the atmosphere of more than five barrels per day of highly volatile liquid;
- Death of any person;
- Bodily harm to any person resulting in loss of consciousness, necessity to carry the person from the scene, or disability which prevents the discharge of normal duties or the pursuit of normal activities beyond the day of the accident; and/or

- Estimated property damage to the property of the operator, or others, or both, exceeding \$5,000, prior to June 1994. After June 1994, this criteria was changed to \$50,000, including the cost of clean-up, recovery, and the value of any lost product.

The data for this period are summarized below:

- Reportable Unintentional Releases - 1.29 incidents per 1,000 mile-years
- Reportable Injuries - 0.076 injuries per 1,000 mile-years
- Fatalities - 0.015 fatalities per 1,000 mile-years

It should be noted that the 1994 Annual Report on Pipeline Safety excluded 1,851 individuals who were injured with minor burns and vapor inhalation from the failure and ignition of seven hazardous liquid pipelines during the San Jacinto River floods in mid-October, 1994, near Houston, Texas. These incidents were caused by severe flooding in the area. These injuries are not included in the injury rate shown above.

It is interesting to note that the incident rate for hazardous liquid pipeline releases (prior to 1994) was essentially the same as those for reportable U.S. natural gas transmission and gathering lines from 1970 through June 1984, which had a similar \$5,000 property damage reporting requirement.

### **Regulated California Hazardous Liquid Pipelines - 1981 through 1990**

This study, undertaken by the California State Fire Marshal, Pipeline Safety Division, included all regulated California interstate and intrastate hazardous liquid pipelines (Payne 1993). It included approximately 7,800 miles of pipeline data, over a ten year period (1981 through 1990). The systems included in this study had complete release records. The major difference for this study, as compared to ones discussed previously, is that all releases, regardless of size, cause, extent of property damage, or extent of injury were included in the study. Also, a complete audit of the pipeline inventory and release data was conducted. As a result, the incident rates resulting from this study were higher than presented in other studies, which only included reported releases fitting a relatively narrow set of criteria. A summary of these results is included below.

- Unintentional Releases - 7.08 incidents per 1,000 mile-years
- Injuries - 0.685 injuries per 1,000 mile-years
- Fatalities - 0.042 fatalities per 1,000 mile-years



## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

### Summary of Historical Pipeline Consequence Data

In the following table, the available pipeline release data have been summarized.

**Table 4.1.2-1 Pipeline Release Consequences by Data Source**

Consequence	U.S. Natural Gas Transmission 1970 to June 1984	U.S. Natural Gas Transmission July 1984 thru 2007 (As Reported by USDOT)	U.S. Natural Gas Onshore Transmission 2002 thru 2007	U.S. Hazardous Liquid - 1984 thru 1998	California Hazardous Liquid - 1981 thru 1990
	Incidents per 1,000 mile-years				
Reportable Incidents	1.30 (\$5,000 criteria)	0.31 (\$50,000 criteria)	0.29 (\$50,000 criteria)	1.29 (\$5,000 criteria)	7.08 (all incidents, regardless of size and value of property damage)
Injuries regardless of severity	N/A	N/A	N/A	N/A	0.685
Injury requiring hospitalization	0.096	0.040	0.017	N/A	N/A
Injuries requiring hospitalization, causing loss of consciousness, or preventing discharge of normal duties day following the incident	N/A	N/A	N/A	0.076	N/A
Fatalities	0.016	0.010	0.004	0.015	0.042

### Consequence Data Used In Analysis

The USDOT database of natural gas transmission pipeline releases from January 2002 through December 2007 has been analyzed. These data will be used to develop the baseline frequency of unintentional releases from the proposed facilities. After deleting all releases noted from “Gathering” lines and “Offshore” lines, there were 520 releases remaining from onshore transmission pipelines. Of these, the two major causes of releases were excavation damage and external corrosion. 113 (22%) of the releases were caused by excavation damage from a third party and the pipeline operator. 71

(14%) of the releases were caused by external corrosion. The remaining 336 (64%) of the releases were caused by a variety of factors, listed in descending order of frequency:

- miscellaneous or unknown – 12%
- malfunction of control or relief equipment – 7%
- vehicles not related to excavation – 6%
- internal corrosion – 5%
- butt weld failure – 5%
- rain and flooding – 4%
- body of pipe failure – 4%
- incorrect operation – 3%
- pipe weld seam failure – 3%
- earth movement – 2%
- component failure – 2%
- joint failure – 2%
- threaded fitting or coupling failure – 2%
- lightning – 1%
- fire and explosions – 1%
- fillet weld failure – 1%
- temperature - <1%
- wind - <1%
- rupture of previously damaged pipe - <1%
- vandalism - <1%

#### *Third Party Damage Incident Rate*

As noted above, third party damage caused 22% of the accidental pipeline releases. The Applicant will be required to implement the following mitigation measures to reduce the frequency of third party caused releases in accordance with applicable LORS:

- One-Call System – The Applicant will subscribe to the USA North underground service alert “one-call” system. A toll free number is available for contractors and others to use before they begin excavations. Once a contractor calls and

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

identifies its proposed excavation location, the organization will notify the Applicant and other underground facility owners in the vicinity. The owners respond to these calls with personal communications with the excavator. If their facilities are nearby, they mark the location of their facilities on the ground, so third party intrusions can be avoided. Participation in a one-call system is required as part of an operator's damage prevention program, per 49 CFR 192.614.

- Line Marking – The Applicant is required by federal regulation (49 CFR 192.707) to install line marker posts such that the pipeline is readily identifiable. In addition, they are required to have warning signs installed at each side of road, railroad, and waterway crossings, and at fence lines across open or agricultural property, crossings of other lines (e.g., irrigation, oil, gas, telephone, utilities) where practical, and where the line is above ground in areas accessible to the public.
- Right-of-Way Patrolling - 49 CFR 192.705 requires each operator to have a patrol program to monitor for indications of leaks, nearby construction activity, and any other factors that could affect safety and operation. The frequency of these inspections is based on a number of factors. For the proposed line, in class 1 and 2 area classifications these patrols must be conducted at least twice each calendar year for road crossings and once each calendar year in other locations; in class 3 locations these patrols must be conducted at least four times each calendar year for road crossings and at least twice each calendar year in other locations
- Leakage Surveys – A leakage survey must be conducted at least once each calendar year for class 1 and 2 locations and at least twice per year for class 3 locations.
- Public Education - 49 CFR 192.616 requires pipeline operators to develop and implement a written continuing public education program that follows the guidance provided in the American Petroleum Institute's (API's) Recommended Practice 1162 Public Awareness Programs for Pipeline Operators as their public education procedure.

The California study found that the overall frequency of third party damage caused unintentional releases was 1.46 unintentional releases per 1,000 mile-years. For pipelines constructed in the 1950's, the frequency was only 0.88 unintentional releases per 1,000 mile-years; it was even lower for newer lines. These lower values were primarily due to the increased awareness of the threat from third party damage to pipeline facilities; newer lines have benefited from improved line marking, one-call dig alert systems, avoidance of high risk areas, improved documentation, increased depth of cover, and public awareness programs. (Payne 1993)

The Applicant's proposed mitigation to increase the depth of cover to a minimum of five feet will provide increased protection from third party damage. A European Study found that increasing the pipe depth of cover beyond four feet decreased the risk of third party incidents by about 30% versus the depth of cover required by the 49 CFR 192. (HSE 2001)

Using these data and the baseline frequency of 0.29 reportable unintentional releases per 1,000 mile-years from the U. S. natural gas onshore transmission pipelines (2002 through 2007), the anticipated frequency of third party damage caused USDOT reportable releases is 0.045 incidents per 1,000 mile-years (0.29 per 1,000 mile-years baseline x 22% caused by third party damage x 70% = 0.045 incidents per 1,000 mile-years).

#### *External Corrosion Incident Rate*

External corrosion of a buried pipe is an electro-chemical reaction, which can occur when bare (un-coated) steel is in contact with the earth. The moist soil surrounding a pipeline can serve as an electrolyte. When this occurs, the pipe can become an anode. The current then flows through the electrolyte, from the anode (pipe) to the cathode (soil). In this instance, the anode (pipe) loses material (corrodes) as this process occurs.

The intent of an effective external corrosion prevention program is twofold. First, the pipe is protected from corrosion by insulating it from contact with the electrolyte (moist soil) using an external coating. Second, in the event that the coating should fail, the pipe is prevented from becoming the anode by introducing some other material into the electrochemical chain that is more anodic than the pipe, or appears to be because of an impressed current. An impressed current or sacrificial anode cathodic protection system makes the current flow through the soil, toward the pipe, instead of away from it; thus, external corrosion is eliminated.

An impressed current system takes alternating current electrical power from a utility source or solar panels. A transformer is used to reduce the voltage. A rectifier then converts the alternating current to a direct current. The direct current flows to and through anodes (graphite, steel, or other material) and into the surrounding earth. At locations where there may be a break in the external pipe coating (holiday), the current will reach the pipeline. It will then flow along the line to the rectifier, completing the circuit, preventing external corrosion at the external pipe coating holiday.

## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

External corrosion typically causes a relatively large percentage of unintentional releases. Often, these releases are relatively small in volume, with low release rates. However, they often can go unnoticed for long periods of time.

The California study found that the frequency of unintentional releases (of all volumes) caused by external corrosion varied significantly by decade of pipe construction and pipeline operating temperature.

During the 1940's and 1950's, significant improvements were made in pipeline construction techniques and materials. Relative to external corrosion, the primary improvements included advances in external coatings and more widespread use of these coatings and cathodic protection systems. These items account for the significant reduction in external corrosion incident rates for modern pipelines, versus pipelines constructed prior to the 1940's. For newer pipelines, it is impossible to isolate the individual affects of pipe age and other improvements (e.g. technology, construction techniques, the more widespread use of high quality external coatings and cathodic protection systems). The table below presents the California data by decade of pipeline construction by incident cause.

**Table 4.1.2-2 Incident Rates by Decade of Construction**

<b>Incident Cause</b>	<b>Pre-1940</b>	<b>1940-49</b>	<b>1950-59</b>	<b>1960-69</b>	<b>1970-79</b>	<b>1980-89</b>
External Corrosion	14.12	4.24	2.47	1.47	1.24	0.00
Internal Corrosion	0.38	0.27	0.10	0.16	0.00	0.28
3 <sup>rd</sup> Party - Construction	1.96	1.06	0.68	0.66	0.25	0.28
3 <sup>rd</sup> Party - Farm Equipment	0.53	1.33	0.05	0.00	0.00	0.00
3 <sup>rd</sup> Party - Train Derailment	0.00	0.00	0.00	0.05	0.25	0.00
3 <sup>rd</sup> Party - External Corrosion	0.45	0.00	0.10	0.33	0.00	0.00
3 <sup>rd</sup> Party - Other	0.30	0.13	0.05	0.05	0.00	0.00
Human Operating Error	0.30	0.13	0.00	0.11	0.25	0.00
Design Flaw	0.08	0.00	0.00	0.00	0.00	0.14
Equipment Malfunction	0.38	0.53	0.10	0.60	1.24	0.00
Maintenance	0.00	0.00	0.24	0.00	0.00	0.00
Weld Failure	0.38	0.27	0.15	0.44	0.25	0.00
Other	0.83	0.13	0.24	0.27	0.25	0.28
<b>Total</b>	<b>19.71</b>	<b>8.09</b>	<b>4.18</b>	<b>4.14</b>	<b>3.73</b>	<b>0.98</b>

Source: Payne, 1993

The statistical analyses performed in the California study indicated that operating temperature directly affected the frequency of unintentional releases caused by external corrosion. Considering all pipelines, regardless of decade of construction, those that were operated near ambient temperatures had an external corrosion caused incident rate of 1.33 unintentional releases per 1,000 mile-years. The incident rate rose dramatically as the operating temperature was increased.

The proposed pipeline segment will be operated at ambient temperatures. The table below indicates that the external corrosion incident rates for the California lines operated at various temperatures ranged from 0.48 to 11.36 unintentional releases per 1,000 mile-years. However, the lines operated between 130°F and 159°F had a 1947 mean year of pipeline construction; as discussed earlier, pipe age also significantly affected the incident rate. This effect is also reflected in these data.

**Table 4.1.2-3 Incident Rates by Design Operating Temperature**

<b>Incident Cause</b>	<b>0-69°F</b>	<b>70-99°F</b>	<b>100-129°F</b>	<b>130-159°F</b>	<b>160°F+</b>
External Corrosion	0.48	1.33	7.11	11.36	11.31
Internal Corrosion	0.00	0.21	0.32	0.57	0.08
3 <sup>rd</sup> Party - Construction	1.91	0.94	0.95	0.57	0.60
3 <sup>rd</sup> Party - Farm Equipment	0.00	0.30	0.47	0.00	0.08
3 <sup>rd</sup> Party - Train Derailment	0.00	0.04	0.00	0.00	0.00
3 <sup>rd</sup> Party - External Corrosion	0.00	0.06	0.16	0.00	0.15
3 <sup>rd</sup> Party - Other	0.00	0.24	0.16	0.00	0.15
Human Operating Error	0.00	0.11	0.00	0.00	0.23
Design Flaw	0.00	0.04	0.00	0.00	0.00
Equipment Malfunction	0.00	0.24	0.16	0.57	0.98
Maintenance	0.00	0.09	0.16	0.00	0.00
Weld Failure	0.00	0.19	0.32	0.00	0.60
Other	0.00	0.21	1.11	1.14	0.45
<b>Total</b>	<b>2.39</b>	<b>4.00</b>	<b>10.92</b>	<b>14.21</b>	<b>14.63</b>

Source: Payne, 1993

To reduce the likelihood of releases caused by external corrosion, the following measures would be implemented by the Applicant in compliance with applicable LORS:

- Modern External Pipe Coating - The proposed pipeline segments will be externally coated with 14 mils of fusion bonded epoxy (FBE). In addition, pipe that will be installed using the horizontal directional drilling (HDD) or hammer bore technique, will have an additional outer abrasion resistant top coating (e.g., 3M 6352, DuPont NapRock, or Powercrete®).
- Impressed Current Protection System - The proposed pipeline will be protected from external corrosion by an impressed current cathodic protection system.
- Monitoring - At least once each calendar year, at intervals not exceeding 15 months, the Applicant will be required to test their cathodic protection system in accordance with 49 CFR 192.465.
- Visual Inspections - Each time buried pipe is exposed for any reason, the Applicant will be required to examine the pipe for evidence of external corrosion in accordance with 49 CFR 192.459. If active corrosion is found, the operator is required to investigate and determine the extent. Pipeline operators are required to maintain records of these USDOT required inspections. They are routinely reviewed by USDOT staff during their inspections.

Using the data presented in the Tables above, an opinion of the anticipated frequency of USDOT reportable unintentional releases due to external corrosion from the

proposed pipe segments has been developed. These segments will normally be operated at ambient temperatures, using externally coated pipe, with an impressed current cathodic protection system. The anticipated frequency of third party damage caused USDOT reportable releases is 0.027 incidents per 1,000 mile-years (0.29 per 1,000 mile-years baseline x 14% caused by third party damage x 2/3% = 0.027 incidents per 1,000 mile-years). This frequency is intended to reflect the average value over a 40-year project life. During the early years of operation, the frequency of externally corrosion caused incidents will likely approach zero. It should also be noted that the statistical impact of the new USDOT pipeline integrity regulations are unknown at this time. But they will likely reduce the frequency of releases from the proposed pipeline components located within an HCA which will be included in a Pipeline Integrity Management Plan.

#### *Miscellaneous Causes Incident Rate*

As noted above, the remaining 64% of the incidents not caused by third party damage or external corrosion are caused by a number of factors. Since each of these causes is a relatively small percentage of the total, adjustments were not made to these frequencies individually. A one-third reduction has been made to account for the remaining Applicant proposed mitigation measures and the fact that these facilities will be modern, new systems. A larger adjustment could have been made. However, the resulting frequency is intended to reflect the average value over a 40-year project life. The anticipated frequency of non-third party damage or external corrosion caused USDOT reportable releases is 0.124 incidents per 1,000 mile-years (0.29 per 1,000 mile-years baseline x 64% x 2/3 = 0.124 incidents per 1,000 mile-years).

#### *Overall Pipeline Facility Incident Rate*

The anticipated frequency of USDOT reportable releases from the proposed facilities is 0.196 incidents per 1,000 mile-years (0.045 from third party damage, 0.027 from external corrosion, and 0.124 from other causes).

### **4.1.3 Qualitative Risk Assessment**

In this section, the anticipated frequency of unintentional releases, injuries and fatalities will be developed using the historical baseline data presented above for the following project components:



## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

- 14-mile long, 30-inch diameter Line 406, including the regulating and metering facilities at Capay Station and Yolo Junction;
- 13.5-mile long, 30-inch diameter Line 407W, including the Power Line Road main line valve site;
- 12-mile long, 30-inch diameter Line 407E, including the Baseline/Brewer main line valve and the Baseline Road Pressure Regulating Station; and the
- 2.5-mile long, 10-inch diameter, DFM, including the Power Line Road regulating station.

### Anticipated Frequency of Unintentional Releases

Using the baseline data compiled in the previous section, the anticipated frequencies of unintentional releases have been estimated. These data, for the proposed pipeline segments, are shown in Table 4.1.3-1 below. These data also include anticipated releases from the meter stations and other appurtenances, which are also under USDOT jurisdiction and are subject to the pipeline incident reporting requirements. As a result, releases from these facilities have been included in the previously presented baseline data.

**Table 4.1.3-1 Anticipated Frequency of Unintentional Releases**

Incident Cause	Incident Rate	Anticipated Number of Incidents Per Year	Likelihood of Annual Occurrence
Total, All Releases, Regardless of Spill Volume	3.00 per 1,000 mile-years	0.126	1 in 7.9
USDOT Reportable Gas Releases - 1970 thru June 1984 criteria (>\$5,000 damage)	1.30 per 1,000 mile-years	0.055	1 in 18
USDOT Reportable Gas Releases - Current Criteria (>\$50,000 damage)	0.196 per 1,000 mile-years	0.008	1 in 120

### Anticipated Frequency of Injuries and Fatalities

Most unintentional natural gas releases are relatively small and do not cause personal injuries or death. In this section, the likelihood of human injuries and deaths will be estimated using historical baseline data. Later in this document, the human life impacts will be evaluated using a probabilistic approach.

As noted earlier, the primary natural gas component is methane, which is not toxic. Although methane presents a slight inhalation hazard, the primary risk to humans is posed by exposures to fire or explosion. A fire could result from a natural gas release with two conditions present. First, a volume of natural gas must be present within the combustible mixture range (5% to 15% methane in air). Second, a source of ignition must be present with sufficient heat to ignite the air/natural gas mixture (1,000°F). In order for an explosion to occur, a third condition must be present - the natural gas vapor cloud must be confined, to a sufficient degree.

It is difficult to estimate the potential extent of human injury because there are so many variables affecting the size of a fire or explosion: rate of vapor cloud formation (controlled primarily by the release rate), size of the vapor cloud within the combustible range (controlled by weather, including wind and temperature, release rate, etc.), concentration of vapors (varying with wind and topographic conditions), degree of vapor cloud confinement, etc. (These actual conditions will be evaluated later, in Section 4.1.4 of this Appendix.)

Based on the historical data presented earlier, the following frequencies for human life consequences are anticipated from the pipeline components and associated metering stations, regulating stations, and appurtenances:

**Table 4.1.3-2 Human Life Impacts Based on Historical Data**

<b>Consequence</b>	<b>Frequency</b>	<b>Annual Number of Events</b>	<b>Return Interval (Years)</b>
Injuries regardless of severity	0.700 incidents per 1,000 mile-years	$2.9 \times 10^{-2}$	34
Injuries requiring hospitalization	0.017 incidents per 1,000 mile-years	$7.1 \times 10^{-4}$	1,400
Fatalities	0.004 fatalities per 1,000 mile-years	$1.7 \times 10^{-4}$	6,000

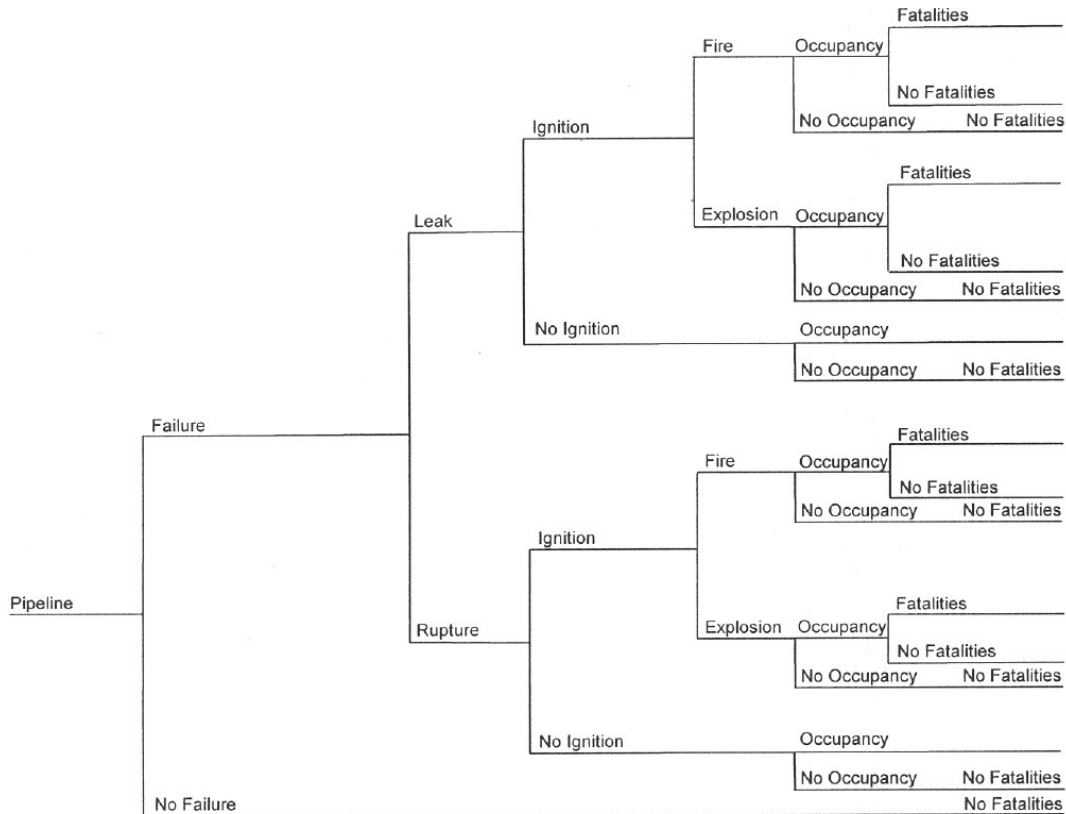
As indicated in the table above, the annual probability of a fatality is 1:6,000, based on the qualitative risk assessment. This is significantly higher than the generally accepted significance criterion of one in one million (1:1,000,000) (CDE 2007, CPUC 2006). As a result, this level of risk would generally be considered significant.

The anticipated frequencies of injuries and fatalities presented above are useful references. However, they do not facilitate an accurate evaluation of the specific

parameters for the proposed pipeline facilities. For example, these summary data do not differentiate between the risks of a relatively benign natural gas pipeline and a liquefied petroleum gas (LPG) pipeline, which is much more likely to result in serious impacts due to fires and explosions. These historical data also do not differentiate between various population densities. For example, a release in an urban area is likely to cause more significant impacts to humans than a release in a rural, undeveloped area. For the rural portion of the proposed facilities, the values shown above overstate the risk to the public; while in the urban areas they likely understate the risk. In the following section, a probabilistic risk assessment will be presented. This analysis will consider the actual environment, pipe contents, pipe diameter, actual operating conditions and the proximity to the public.

#### **4.1.4 Quantitative Risk Assessment**

In this section, a probabilistic pipeline risk assessment will be presented. This analysis considers the actual site population density, as well as the characteristics of the pipe contents in the event of an unintentional release. This analysis was conducted using the following consequence event tree, with minor modifications to differentiate between flash and torch fires.



### Baseline Frequency of Unintentional Releases

For this analysis, a baseline frequency of USDOT reportable unintentional releases of 0.196 incidents per 1,000 mile-years has been used.

### Conditional Consequence Probabilities

In order to conduct a probabilistic analysis, the conditional probabilities of each fault tree branch must be established. For example:

- What percentage of pipe failures are relatively small leaks versus full bore ruptures?
- What percentage of vapor clouds resulting from leaks and ruptures are ignited?
- What percentage of ignited vapor clouds burn versus explode?
- And in the event of a fire or explosion, do any serious injuries or fatalities result?

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

In order to evaluate these conditional probabilities, the actual unintentional release data reported to the Department of Transportation, Office of Pipeline Safety (USDOT) have been evaluated. Unfortunately, the USDOT incident reports prior to January 1, 2002 did not include fields for reporting fires or explosions; these fields were added in 2002. Between January 1, 2002 and December 31, 2007, there were 520 onshore transmission pipeline incidents reported to the USDOT. The following data are worth noting:

- 91 (17.5%) of the resulting vapor clouds ignited,
- 56 (61.5%) of the vapor clouds simply burned, and
- 35 (38.5%) of the vapor clouds exploded

In other words, 10.8% of the reported onshore natural gas transmission pipeline incidents resulted in fires while 6.7% resulted in explosions. 361 (69.4%) of the incidents were identified as being released directly from the pipeline, as apposed to other appurtenances (e.g., compressors, regulators, etc.). Of these, 109 (30%) of the pipeline releases were identified as ruptures. 26 (7%) of the pipeline release incidents resulted in fires and 20 (6%) resulted in explosions.

It is interesting to note that between January 1, 2002 and December 31, 2007, 55 (10.6%) of the reported 520 natural gas transmission pipeline incidents occurred in compressor stations; 14 (25%) of these incidents resulted in fires and 10 (18%) resulted in explosions. 50 (9.6%) of the reported incidents occurred at meter and/or regulator stations; 10 (20%) of these resulted in fires and 1 (2%) resulted in an explosion. The remaining 54 incidents were not identified as to which part or component of the pipeline system failed.

The conditional probabilities used in the probabilistic risk assessment are summarized in the following tables.

**Table 4.1.4-1 Conditional Probabilities**

Parameter	Conditional Consequence Probability	Value - Source
Leak Size	Probability of Release (1-inch diameter hole)	70% - USDOT
	Probability of Rupture (complete, full diameter pipe severance)	30% - USDOT
Ignition	Probability of No-Ignition	82.5% - USDOT
	Probability of Ignition	17.5% - USDOT
Fire/Explosion	Probability of Fire Upon Ignition	61.5% - USDOT
	Probability of Explosion Upon Ignition	38.5% - USDOT

**Table 4.1.4-2 Combined Conditional Probabilities, Fires versus Explosions**

Consequence	Conditional Release Consequence	Value
Fires	Pipeline Release (1-inch) Resulting in a Fire	$0.70 \times 0.175 \times 0.615 = 7.5\%$
	Pipeline Rupture Resulting in a Fire	$0.30 \times 0.175 \times 0.615 = 3.2\%$
Explosions	Pipeline Release (1-inch) Resulting in an Explosion	$0.70 \times 0.175 \times 0.385 = 4.7\%$
	Pipeline Rupture Resulting in an Explosion	$0.30 \times 0.175 \times 0.385 = 2.0\%$

*Flash Fires versus Torch Fires*

The USDOT data does not provide any differentiation regarding the type of fire (torch fire versus flash fire). However, since there are a relatively large number of reported explosions in the USDOT database, it is likely that the number of flash fires is limited. There are also few historical flash fires on record (LEES). The analyses assumed that 10% of the fires would be flash fires and 90% would be torch fires.

*Unignited Vapor Clouds, Flash Fires versus Indoor Explosions*

Should the combustible portion of a vapor cloud migrate to nearby residences or commercial buildings before ignition, a flash fire would occur if the ignition were outdoors, or an explosion would occur indoors. Unfortunately, available references

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

provide little data regarding the likelihood of these two occurrences. The analyses assumed that 90% of the fires would be flash fires and 10% would be explosions within the structures.

**Table 4.1.4-3 Combined Conditional Probabilities, Torch Fires versus Delayed Ignition of Vapor Clouds**

Consequence	Conditional Release Consequence	Value
Torch Fires	Release (1-inch) Resulting in a Torch Fire	$7.5\% \times 0.90 = 6.8\%$
	Rupture Resulting in a Torch Fire	$3.2\% \times 0.90 = 2.9\%$
Flash Fires (Vapor Cloud Ignition Outdoors)	Release (1-inch) Resulting in a Flash Fire	$7.5\% \times 0.10 \times 0.90 = 0.7\%$
	Rupture Resulting in a Flash Fire	$3.2\% \times 0.10 \times 0.90 = 0.3\%$
Indoor Explosion (Vapor Cloud Ignition Indoors)	Release (1-inch) Indoor Explosion	$7.5\% \times 0.10 \times 0.10 = 0.08\%$
	Rupture Indoor Explosion	$3.2\% \times 0.10 \times 0.10 = 0.03\%$

### Release Modeling

In this section, various pipeline release scenarios are presented. The releases were modeled using CANARY, by Quest, version 4.3 software. For vapor cloud explosion modeling, this software uses the Baker-Strehlow model to determine peak side-on overpressures as a function of distance from a release. CANARY software also uses a torch fire model to determine radiant heat flux as a function of distance from a release. Literally thousands of possible data combinations could be used to evaluate individual releases (e.g., various release angles, various size releases, etc.). However, in order to evaluate the impacts from the proposed facilities using a reasonable amount of resources, the following assumptions were made:

**Table 4.1.4-4 Release Modeling Input**

Parameter	Model Input
Operating Pressure	975 psig maximum allowable operating pressure for all line segments
Typical Flow Rate	475 MMSCFD for 30-inch Line 406 180 MMSCFD for 30-inch Line 407W and 407E 17 MMSCFD for 10-inch DFM Line The actual flow rate will vary considerably, depending on natural gas demands, pressures in other system components, etc.
Modeled Releases	1-inch diameter release Full Bore release
Contents	Methane
Contents Temperature	70° F
Wind Speed	2 meters per second (4.5 mph) for vapor cloud explosion modeling 20 mph for torch fire modeling
Stability Class	D assumed Pasquill-Gifford atmospheric stability is classified by the letters A through F. Stability can be determined by three main factors: wind speed, solar insolation, and general cloudiness. In general, the most unstable (turbulent) atmosphere is characterized by stability class A. Stability A occurs during strong solar radiation and moderate winds. This combination allows for rapid fluctuations in the air and thus greater mixing of the released gas with time. Stability D is characterized by fully overcast or partial cloud cover during daytime or nighttime, and covers all wind speeds. The atmospheric turbulence is not as great during D conditions, so the gas will not mix as quickly with the surrounding atmosphere. Stability F generally occurs during the early morning hours before sunrise (no solar radiation) and under low winds. This combination allows for an atmosphere which appears calm or still and thus restricts the ability to actively mix with the released gas. A stability classification of "D" is generally considered to represent average conditions.
Relative Humidity	70%
Air and Surface Temperature	72° F
Continuous Release Duration	Two (2) hours, or until the pipe segment has been depressurized
Duration of Normal Flow after Leak Initiation	Two (2) hours for 1-inch diameter release Fifteen (15) minutes for full bore rupture The applicant has indicated that a severe pipeline rupture would be identified within 10 to 15 minutes. Line 406 could be shut-in remotely between Capay and Yolo Stations. The other line segments would require a physical response. The response could take from 15 minutes to 2 hours, depending on the location of employees and the time of occurrence.
Pipe Length Upstream and Downstream of Break	3-miles assumed for 30-inch diameter line segments 1.25-miles assumed for 10-inch diameter line segment.



## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

Parameter	Model Input
Release Angle	45° above horizontal
Fuel Reactivity	Low Most hydrocarbons have medium reactivity, as defined by the Baker-Strehlow method. Low reactivity fluids include methane, natural gas (98+% methane), and carbon monoxide. High reactivity fluids include hydrogen, acetylene, ethylene oxide, and propylene oxide.
Obstacle Density	Low assumed for rural and agricultural areas Medium assumed for residential developed areas This parameter describes the general level of obstruction in the area including and surrounding the confined (or semi-confined) volume. Low density occurs in open areas or in areas containing widely spaced obstacles. High density occurs in areas of many obstacles, such as tightly-packed process areas or multi-layered pipe racks.
Flame Expansion	3 D assumed This parameter defines the number of dimensions available for flame expansion. Open areas are 3-D, and produce the smallest levels of overpressure. 2.5-D expansions are used to describe areas that quickly transition from 2-D to 3-D. Examples include compressor sheds and the volume under elevated fan-type heat exchangers. 2-D expansions occur within areas bounded on top and bottom, such as pipe racks, offshore platforms, and some process units. 1-D expansion may occur within long confined volumes such as hallways or drainage pipes, and produce the highest overpressures.
Reflection Factor	2 assumed This factor is used to include the effects of ground reflection when an explosion is located near grade. A value of 2 is recommended for ground level explosions.

### Explosion Modeling Results

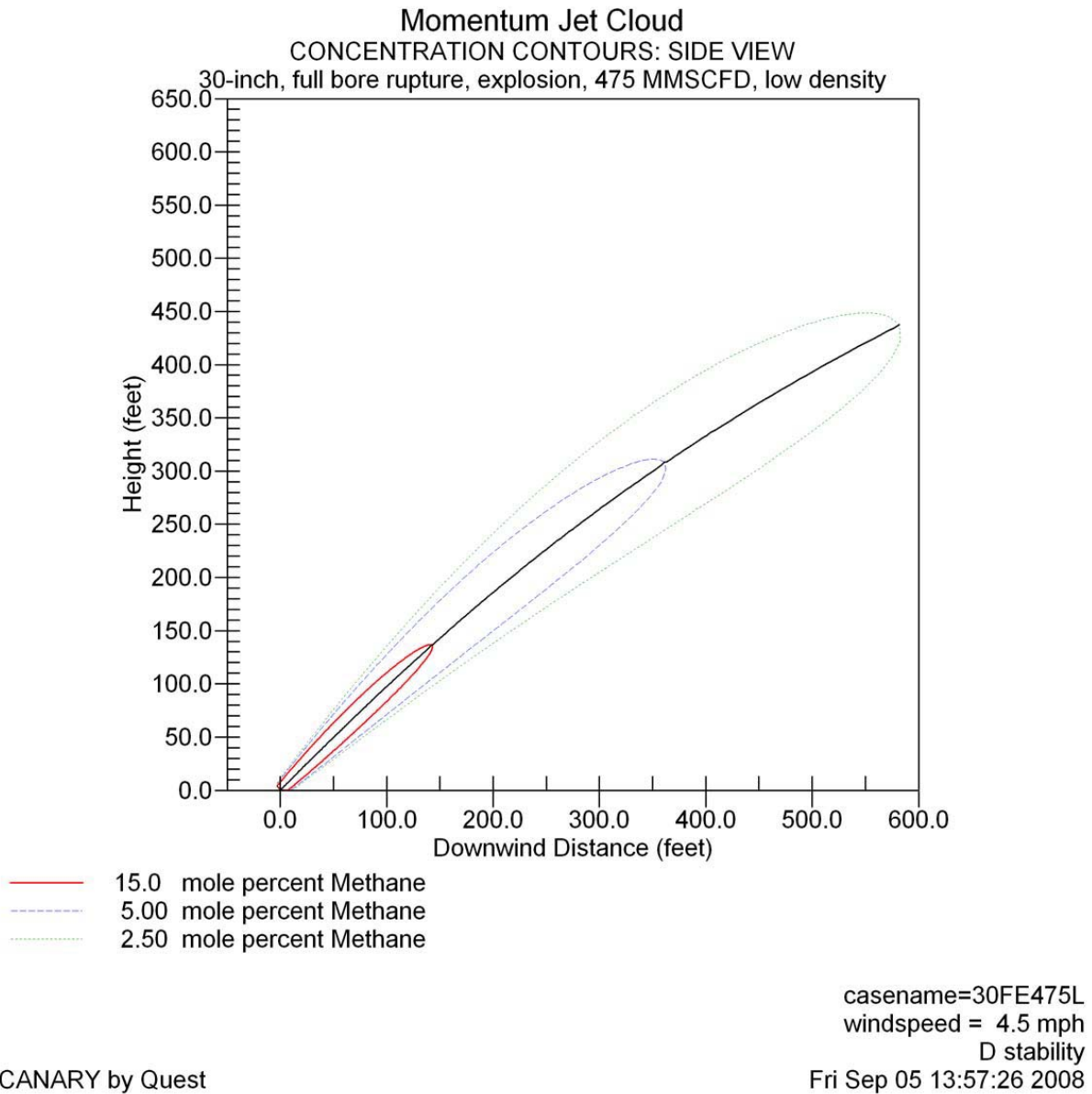
As discussed previously, natural gas generally does not explode, unless the vapor cloud is confined in some manner. The eastern portion of the 30-inch Line 407E and the 10-inch DFM are surrounded by residential land uses and open space. The remainder of the pipeline segments are surrounded by open, rural land with some road crossings. There is insufficient confinement to cause a significant vapor cloud explosion within the atmosphere in the rural and agricultural areas. Should natural gas migrate into residences or other structures, the overpressures from an explosion within the confined space would be life threatening.

Outdoors, the peak overpressure was only 1.5 psig for the residential areas, due to the relatively open development. This level is high enough to have a 1% probability of

serious injury or fatality to occupants of reinforced concrete or reinforced masonry buildings due to flying glass and debris. There is a 10% probability of serious injuries to occupants of simple frame, unreinforced buildings. This over pressure level would generally not be great enough to cause injuries to those outdoors.

The peak overpressure was only 0.02 psig for the rural and agricultural line segments, due to the very open surroundings and lack of confinement. This level results in an annoying noise.

A typical pipeline release is depicted in the figure below. This figure shows an elevation view of a release from a rupture of the 30-inch Line 406, operating at 975 psig at a flow rate of 475 MMSCFD. The combustible portion of the vapor cloud is between the 5 and 15 mole percent contours.



**Figure 4.1.4-2 Line 406, Rupture Explosion, Elevation**

The distances to various levels of peak side-on overpressures for each of the pipe segments are summarized in the table below. It is interesting to note that the results for Lines 406 and 407, which are similar except for the flow rate, are essentially the same. Also, the data for the 1-inch diameter releases are the same for all line segments, since the MAOP is the same for each segment. These explosion over-pressure levels are

applicable in residential areas only. The overpressure levels are too low to result in injuries or fatalities in rural and agricultural areas.

**Table 4.1.4-5 Vapor Cloud Explosion Modeling Results in Residential Areas**

Release	Operating Pressure	Maximum Width of Combustible Portion of Vapor Cloud (feet)	Distance from Unintentional Release (feet) Measured Perpendicular to Pipeline		
			1.00 psig Overpressure	0.70 psig Overpressure	0.10 psig Overpressure
Line 406 475 MMSCFD Full Bore Release @ 45° above horizon	975 psig	107	381	544	3,807
Line 406 475 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	10	35	50	352
Line 407 E & W 180 MMSCFD Full Bore Release @ 45° above horizon	975 psig	105	377	538	3,771
Line 407 E & W 180 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	10	35	50	352
DFM 17 MMSCFD Full Bore Release @ 45° above horizon	975 psig	31	114	162	1,137
DFM 17 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	10	35	50	252

**Fire Modeling Results**

*Torch Fires*

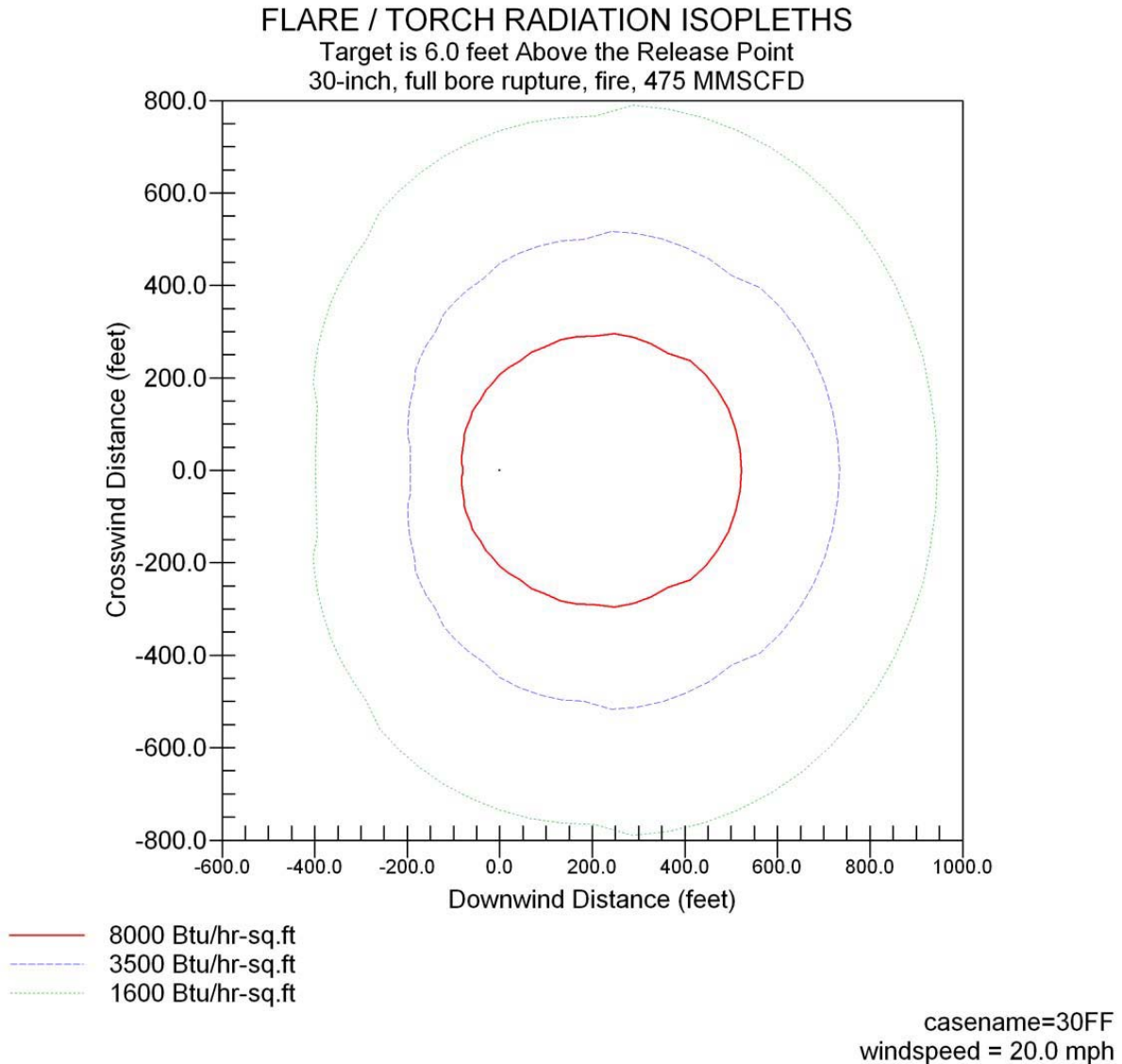
The torch fire modeling results are presented in the following table.

**Table 4.1.4-6 Torch Fire Modeling Results**

Release	Maximum Operating Pressure	Width of 8,000 btu/hr-ft <sup>2</sup> Isopleth (feet)	Flame Length (feet)	Horizontal Distance from Unintentional Release (feet)		
				8,000 btu/hr-ft <sup>2</sup>	3,500 btu/hr-ft <sup>2</sup>	1,600 btu/hr-ft <sup>2</sup>
Line 406 475 MMSCFD Full Bore Release @ 45° above horizon	975 psig	300	527	523	734	946
Line 406 475 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	25	52	48	66	87
Line 407 E & W 180 MMSCFD Full Bore Release @ 45° above horizon	975 psig	300	523	519	728	938
Line 407 E & W 180 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	25	52	48	66	87
DFM 17 MMSCFD Full Bore Release @ 45° above horizon	975 psig	90	158	161	217	286
DFM 17 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	25	52	48	66	87

Note – Radiant heat flux values shown are measured at 6-feet above ground surface.

The results for a torch fire resulting from a full bore rupture of the 30-inch Line 406 are depicted in the figure below.



CANARY by Quest

Fri Sep 05 14:41:20 2008

### Flash Fires

As discussed previously, flash fires can occur when a vapor cloud is formed, with some portion of the vapor cloud within the combustible range, and the ignition is delayed. (If the ignition is immediate, a torch fire results.) In a flash fire, the portion of the vapor cloud within the combustible range burns quickly. It is assumed that those within the

combustible portion of the vapor cloud would likely be seriously injured or killed. Those outside the combustible portion of the vapor cloud would likely be uninjured. In other words, the public would generally be safe if they were too close to the release (over rich mixture, above the upper flammable limit) or beyond the portion of the vapor cloud with concentrations below the lower flammability limit. The results of the flash fire modeling are shown below:

**Table 4.1.4-7 Flash Fire Modeling Results**

Release	Operating Pressure	Distance from Unintentional Release (feet) Measured Perpendicular to Pipeline	
		Upper Flammability Limit (UFL)	Lower Flammability Limit (LFL)
Line 406 475 MMSCFD Full Bore Release @ 45° above horizon	975 psig	143	362
Line 406 475 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	12	32
Line 407 E & W 180 MMSCFD Full Bore Release @ 45° above horizon	975 psig	141	358
Line 407 E & W 180 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	12	32
DFM 17 MMSCFD Full Bore Release @ 45° above horizon	975 psig	41	109
DFM 17 MMSCFD 1-inch Diameter Release @ 45° above horizon	975 psig	12	32

## **Risks to Humans**

In order to quantify the potential risk to humans, a number of assumptions must be made; otherwise, the effort required to perform the risk analysis can become unreasonably complex. The following paragraphs outline the assumptions made in estimating the frequency and severity of the potential hazards.

### *Exposure Probability*

In cases where the exposure to impacts only occurred on one side of the pipeline, the probability was reduced by one-half. For example, where future commercial and industrial structures are proposed on only one side of the pipeline, the probability of exposure was reduced 50%.

### *Proximity to Residences and Commercial Buildings*

In determining the distances from the pipe segments to existing residences and commercial buildings, the nearest distance from the pipeline to each structure was used. For individuals outside the structures, the analysis assumed that they would be located near the primary building.

### *Exposures to Occupants of Residences and Commercial Buildings*

## Flash Fires and Indoor Explosions

### Residential Occupants

Should the combustible portion of a vapor cloud migrate to nearby residences before ignition, a flash fire would occur if the ignition were outdoors, or an explosion would occur indoors.

The analyses assumed a 100% probability of serious injury or fatality to those exposed to a flash fire. However, those housed within their residences were assumed to be sufficiently protected from an outdoor flash fire to prevent serious injury or fatality. The analyses assumed that those protected inside a residence would be able to evacuate safely should the structure catch fire, after the flash fire subsided. The analyses assumed that occupants of these residences would be outside their homes, exposed to outdoor flash fire effects, an average of 10% of the time (roughly 17 hours per week).

In the event that natural gas were to migrate inside the structure before ignition, the analysis assumed a 100% probability of serious injury or fatality. The analyses



## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

assumed a 75% probability that occupants would be evacuated by emergency responders, or evacuate the structure on their own once they identified the gas odorant, before the gas reached a combustible mixture and ignited. The analysis assumed that occupants of these residences would be inside their homes, exposed to potential indoor explosions, an average of 70% of the time (16.8 hours per day). This results in a 17.5% probability of exposure (25% not evacuated x 70% = 17.5%).

### Commercial Building Occupants

This analysis is similar to that described above for residential structures, except for the exposure duration. For a 1-inch diameter release, where the exposure width is relatively small, the analyses assumed that occupants of the commercial buildings would be outside the buildings, exposed to flash fire effects, an average of 6% of the time (roughly 10 hours per week, 2 hours per work day). For a flash fire resulting from a rupture, the width of the impact area is much larger and the likelihood of an individual being exposed is much higher. For these cases, the individual risk assessment analyses assumed an outdoor exposure of 50 hours per week (30% of the time); the societal risk assessment assumed an exposure of 6%, as this type of analysis considers the estimated number of people exposed to the hazard.

In the event that natural gas were to migrate inside the structure, the analyses assumed a 100% probability of serious injury or fatality to building occupants. The analyses assumed that occupants would be within the building 50 hours per week (30% of the time), with a 75% probability that occupants would be evacuated by emergency responders, or evacuate the structure on their own once they identified the gas odorant, before the gas reached a combustible mixture. This results in a 7.5% probability of exposure (25% not evacuated x 30% = 7.5%).

### Torch Fires

#### Residential Occupants

The analyses assumed that residents within the 8,000 btu/hr-ft<sup>2</sup> heat flux contour would be exposed to a 50% probability of fatality while they are outside their homes. The analyses assumed that individuals would be sheltered from injurious radiant heat impacts while inside their homes. The analyses also assumed that those protected inside their residence would be able to evacuate safely should the structure catch fire. For 1-inch diameter releases, where the exposure width is relatively small, the analyses assumed that occupants of these residences would be outside their homes, exposed to

torch fire effects, an average of 10% of the time (roughly 17 hours per week). For a torch fire resulting from a rupture, the width of the impact area is much larger and the likelihood of an individual being exposed is much higher. For these cases, the individual risk assessment analyses assumed an outdoor exposure of 50 hours per week (30% of the time); the societal risk assessment assumed an exposure of 6%, as this type of analysis includes the estimated number of people exposed to the hazard.

### Commercial Building Occupants

This analysis is similar to that discussed above for residences. However, the analysis assumed that occupants of these buildings would be outside, exposed to torch fire effects from a 1-inch diameter release, an average of 10 hours per week (6% of the time). The individual risk analyses assumed an exposure of 30% for torch fires resulting from full bore ruptures, due to the much larger width of exposure. For the societal risk assessment, an exposure of 6% was used for both 1-inch diameter and full bore releases.

### Explosions

The analysis assumed a 10% probability of a serious injury or fatality to building occupants exposed to an over-pressure level of 1.00 psig due to flying glass and debris. As described above, residential buildings were assumed to be occupied 70% of the time (16.8 hours per day) and commercial buildings were assumed to be occupied 30% of the time (50 hours per week). The overpressure levels are expected to be below the threshold required to cause serious injuries or fatalities to those outdoors.

### *Exposures to Vehicle Occupants*

#### Flash Fires

There is little actual or experimental data available for natural gas flash fires. Based on a full bore release at 45° above the horizon at the modeled conditions, the flammable concentration of the vapor cloud would be less than 100-feet wide in all of the modeled scenarios (measured perpendicular to the release). A vehicle traveling at 40 miles per hour perpendicular to the release would only be within the flammable portion of the vapor cloud for about two seconds, unless the vehicle were stopped (e.g., red light, traffic jam, etc.).

Considering the variety of possible release angles, the likely short duration of exposure, and the protection afforded by the vehicle, these analyses assumed that 10% of the

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

occupants of vehicles exposed to the modeled maximum horizontal projection of a flash fire resulting from a pipeline release would be seriously injured or killed.

It should be noted that 100% casualties are assumed for similar analyses used in the United Kingdom. However, there is evidence that those exposed to flash fires can survive. Although natural gas flash fires are rare, an event occurred on October 1982 which is noteworthy. This event is noted in the Report on a Study of International Pipeline Accidents (HSE 2000). In this case an end cap blew off the end of a natural gas pipeline in Pine Bluff, Arkansas. The ignition of the resulting gas cloud was delayed, until the flammable portion of the cloud reached a nearby welding machine. As stated in the report, "All seven persons at the accident site were engulfed in the flash-fire. The two welder-helpers, who were wearing goggles but not welding helmets, and the two company employees standing atop the ditch at the east and south end were placed in intensive care at a local hospital. Another worker on top of the ditch was admitted to the hospital in a serious but stable condition. The two welders, who were under the pipe when the fire erupted and were more sheltered from the fire, were treated and released from the hospital... While none of the workmen were killed, they were not representative of the population as a whole; they were relatively young, fit and wearing working clothes. Children or the elderly (perhaps 50% of the population), or those wearing less protective clothing in a similar fire would probably not have survived."

### Torch Fires

Because the exposure time to passing vehicles would be limited, the analyses assumed that occupants in passing vehicles would be somewhat protected from the radiant heat due to torch fires. The analyses assumed that serious injuries and fatalities would only occur to those exposed directly to the flame or those within the 8,000 btu/hr-ft<sup>2</sup> isopleth. For a full bore rupture, this extends about 520 feet for the 30-inch line segments and 160 feet for the 10-inch line segment. For a 1-inch diameter release, it extends about 50 feet. It should be noted that the flame lengths and distances to the 8,000 btu/hr-ft<sup>2</sup> are essentially the same. Due to the variation in the possible release angles (e.g., the flame may be vertical, or pass above the vehicle) and the possibility for vehicle occupants to pass through the hazard area relatively quickly, a 25% probability of serious injury or fatality was assumed.

## Explosions

The peak overpressures resulting from atmospheric explosions are anticipated to be sufficient to cause serious injuries or fatalities in areas where residential and commercial development have occurred. A 10% fatality rate has been assumed.

### *Number of Vehicle Occupants Exposed to Release*

The analysis estimated the number of individuals exposed as follows:

- The traffic counts were obtained from Section X of this document. For roadways where traffic counts were not available, they were assumed as follows: For unnamed county roads along each segment, 200 trips per day average was assumed. For roads along Line DFM, 500 trips per day average were assumed. For roads along Phase I of Line 407, 1,000 trips per day average were assumed. For rural highways along Phase II of Line 407, 1,000 trips per day average were assumed.
- An average traffic speed of 40 miles per hour was used, except for I-5 and Highway 505, which assume 70 miles per hour.
- The length of hazard, measured along the roadway, was determined individually for each type of release by modeling.
- The normal stopping distance was determined using a one second reaction time and 15 feet per second rate of deceleration.
- An average vehicle occupancy of 1 was assumed for individual risk and 2 for societal risk.

For the individual risk analysis, if the above calculation yielded a number greater than unity, the number exposed was reduced to one individual, consistent with the definition of the individual risk analysis.

## **Individual Risks**

### *Exposures to Occupants of Residences and Commercial Buildings*

In the following paragraphs, the impacts (e.g., serious injuries and fatalities) have been evaluated for individuals exposed to a fire or explosion. For Line 406, the impacts were assessed considering the existing buildings only; future land development was not considered in the analysis. For Line 407 and Line DFM, the existing conditions, plus the impacts of the following proposed land development projects were considered: Sutter Pointe, Placer Vineyard, Sierra Vista, and Curry Creek. The lengths of pipeline that

**EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

could result in serious impacts the public are summarized in the table below, for each of the identified conditions.

**Table 4.1.4-8 Length of Pipeline Posing Risks to Building Occupants**

Release Description	Significant Impact Distance from Release (feet)	Line 406 (feet)	Line 407 Phase I (feet)	Line 407 Phase II (Feet)	Line DFM (feet)
	Lines 406/407				
	Line DFM				
Explosion Full Bore Rupture	380	3,650	58,455	15,655	5,100
	115				
Explosion 1-inch Release	35	60	47,910	0	5,100
	35				
Torch Fire Full Bore Rupture	520	4,930	59,350	21,545	5,100
	160				
Torch Fire 1-inch Release	50	120	48,270	800	5,100
	50				
Flash Fire Full Bore Rupture	360	3,435	58,455	15,565	5,100
	110				
Flash Fire 1-inch Release	35	60	47,910	0	5,100
	35				

Note: For Line 407, Phase I, the distribution was assumed to be roughly 50% residential

As noted above, only a relatively short distance of Line 406 would pose a risk to occupants of existing residences. However, for the eastern portion of the project (Line 407 Phase I), much more of the line would pose a risk to occupants of existing and proposed residences and commercial properties. The resulting frequencies of anticipated serious injuries and fatalities to occupants of residential, commercial, and industrial buildings are summarized in the table below.

**Table 4.1.4-9 Frequency of Serious Injury or Fatality to Building Occupants**

Release Description	Line 406	Line 407 Phase I	Line 407 Phase II	Line DFM	Total
Explosion Full Bore Rupture	$1.9 \times 10^{-7}$	$2.2 \times 10^{-6}$	$8.2 \times 10^{-7}$	$5.7 \times 10^{-8}$	$3.3 \times 10^{-6}$
Explosion 1-inch Release	$7.4 \times 10^{-9}$	$4.2 \times 10^{-6}$	0	$1.3 \times 10^{-7}$	$4.3 \times 10^{-6}$
Torch Fire Full Bore Rupture	$8.0 \times 10^{-7}$	$9.6 \times 10^{-6}$	$3.5 \times 10^{-6}$	$4.1 \times 10^{-7}$	$1.4 \times 10^{-5}$
Torch Fire 1-inch Release	$4.5 \times 10^{-9}$	$1.5 \times 10^{-6}$	$3.0 \times 10^{-8}$	$5.8 \times 10^{-8}$	$1.6 \times 10^{-6}$
Flash Fire Full Bore Rupture	$4.4 \times 10^{-8}$	$1.4 \times 10^{-6}$	$2.0 \times 10^{-7}$	$8.5 \times 10^{-8}$	$1.7 \times 10^{-6}$
Flash Fire 1-inch Release	$1.8 \times 10^{-9}$	$1.1 \times 10^{-6}$	0	$4.4 \times 10^{-8}$	$1.1 \times 10^{-6}$
Total Probability Serious Injury or Fatality	$1.05 \times 10^{-6}$	$1.99 \times 10^{-5}$	$4.54 \times 10^{-6}$	$7.00 \times 10^{-7}$	$2.62 \times 10^{-5}$
Annual Likelihood of Serious Injury or Fatality	1 : 950,000	1 : 50,000	1 : 220,000	1 : 1,400,000	1 : 26,000
Percentage of Total Risk to Building Occupants	4.0 %	76.0 %	17.3 %	2.7 %	100.0 %

As noted above, the frequency of serious injuries and fatalities caused by explosion for Lines 406, 407 (Phase II), and DFM are extremely low, due to the rural areas where the majority of these lines are being installed. Line 407 (Phase I) poses 76% of the total

project risk to occupants of residential, commercial, and industrial buildings, due to the density of existing and planned land development.

*Exposure to Vehicle Occupants*

The risks posed to vehicle occupants are summarized in the table below, for each of the line segments.

**Table 4.1.4-10 Frequency of Serious Injury or Fatality to Vehicle Occupants**

Description	Line 406	Line 407 Phase I	Line 407 Phase II	Line DFM	Total
Total Probability of Serious Injury or Fatality	$1.84 \times 10^{-6}$	$2.94 \times 10^{-5}$	$3.21 \times 10^{-6}$	$2.06 \times 10^{-7}$	$3.46 \times 10^{-5}$
Annual Likelihood of Serious Injury or Fatality	1 : 540,000	1 : 34,000	1 : 310,000	1 : 4,900,000	1 : 29,000
Percentage of Total Risk to Building Occupants	5.3 %	84.9 %	9.2 %	0.6 %	100.0 %

It should be noted that the figures presented in the above table somewhat understate the likelihood of risks posed to vehicle occupants. As noted earlier, the length of hazard, measured along the roadway, was determined individually for each type of release; the exposures were calculated using the traffic speed, stopping distance, traffic volume, and the length of actual exposure to the hazard. For example, for a rural county road with an assumed traffic count of 200 trips per day, 40 miles per hour average traffic speed, 232-foot stopping distance, and a potentially hazardous cloud distance of 520-feet, the individual exposure was determined to be 0.03. In other words, given these parameters, the likelihood of an individual vehicle occupant being exposed to the hazard was 3%. However, for unignited vapor clouds, a passing vehicle is often the source of ignition. In these cases, the actual exposure to vehicle occupants would be 100%. Unfortunately, data is not available to support an accurate determination of the frequency in which motorists are the source of ignition. For scenarios with higher traffic counts, greater average traffic speed, etc., the error induced by this methodology is reduced or is eliminated altogether; for example, the likelihood of

exposure along many of the heavily traveled roadways (e.g., Baseline Road, Interstate 5, etc.) was 1.00 (100%) for many of the release scenarios. In these cases, the results would not be affected whether the vehicle was the source of ignition, or not.

*Individual Risk Results*

The total exposure to the public from the various pipe segments is summarized in the table below.

**Table 4.1.4-11 Individual Risk Summary**

<b>Release Description</b>	<b>Line 406</b>	<b>Line 407 Phase I</b>	<b>Line 407 Phase II</b>	<b>Line DFM</b>	<b>Total</b>
Building Occupants	$1.05 \times 10^{-6}$	$1.99 \times 10^{-5}$	$4.54 \times 10^{-6}$	$7.00 \times 10^{-7}$	$2.62 \times 10^{-5}$
Vehicle Occupants	$1.84 \times 10^{-6}$	$2.94 \times 10^{-5}$	$3.21 \times 10^{-6}$	$2.06 \times 10^{-7}$	$3.46 \times 10^{-5}$
Total Probability of Serious Injury or Fatality	$2.89 \times 10^{-6}$	$4.93 \times 10^{-5}$	$7.75 \times 10^{-6}$	$9.06 \times 10^{-7}$	$6.08 \times 10^{-5}$
Total Annual Likelihood of Serious Injury or Fatality	1 : 350,000	1 : 27,000	1 : 130,000	1 : 1,100,000	1 : 16,000
Percentage of Total Risk to Building Occupants	4.8 %	81.1 %	12.7 %	1.4 %	100.0 %

As presented above, the anticipated individual frequency of serious injury or fatality from the proposed project is approximately  $6.1 \times 10^{-5}$ . This represents a 1:16,000 likelihood of a serious injury or fatality annually. This value is roughly sixty times greater than the generally accepted significance criteria of one in one-million per year (1:1,000,000). As a result, the individual risk posed by the proposed project is considered significant. The individual risks posed by each of the individual line segments are also summarized. As noted, the risk for each of the individual line segments, except Line DFM, exceeds the individual risk significance criteria; and for the



## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

Line DFM, the individual risk significance is within the tolerance of the assumptions made in this study and should be considered significant.

It should be noted that this analysis was done based on the existing and stated future level of land development. Should population density or traffic volumes increase over the life of the project beyond these assumptions, the resulting likelihood of serious injuries and fatalities would increase accordingly.

### **Societal Risks**

Societal risk is the probability that a specified number of people will be affected by a given event. The accepted number of casualties is relatively high for lower probability events and much lower for more probable events.

#### *Exposures to Occupants of Residences and Commercial Buildings*

The following scenarios were considered:

- Flash Fire or Indoor Explosion, 1-inch Diameter Pipeline Release – These impacts could be significant within about 35-feet of the proposed line segments. Roughly 4.5 miles of the Line 407, Phase I line segment could pose a hazard to existing or proposed buildings. The width of the vapor cloud within the combustible mixture would be roughly 10-feet. As a result, only one structure would like be exposed. The analysis assumed that one residence or one commercial structure could be affected by a release. A population of up to four per residence and up to ten individuals per commercial building was used.
- Flash Fire or Indoor Explosion, Full Bore Pipeline Release – These impacts could be significant within 110-feet for Line DFM and 360-feet for Lines 406 and 407. The width of exposure extends roughly 30-feet for Line DFM and 100-feet for Lines 406 and 407. The analyses assumed that one commercial building or one residence could be impacted, with an exposure of up to ten persons (commercial) or four persons (residential).
- Torch Fire, 1-inch Diameter Pipeline Release – These impacts could be significant within 50-feet of the proposed line segments (8,000 btu/hr-ft<sup>2</sup> isopleth). The 3,500 btu/hr-ft<sup>2</sup> isopleth extends about 65-feet for each of the proposed line segments. The width of the 3,500 btu/hr-ft<sup>2</sup> isopleth is roughly 80-feet, while the width of the 8.000 btu/hr-ft<sup>2</sup> isopleth is roughly 80-feet. Roughly 4.6 miles of the Line 407, Phase I line segment could pose a hazard to existing or proposed buildings. The analysis assumed that one residence or one commercial structure could be affected by a release. A population of up to four per residence and up to ten individuals per commercial building was used.

- Torch Fire, Full Bore Release – These impacts could be significant within 160-feet for Line DFM and 520-feet for Lines 406 and 407. The 3,500 btu/hr-ft<sup>2</sup> isopleth extends about 150-feet and 500-feet on either side of the release, measured perpendicular to the release, for Line DFM and Lines 406 and 407 respectively. The 8,000 btu/hr-ft<sup>2</sup> isopleth extends about 90-feet and 300-feet on either side of the release, for Line DFM and Lines 406 and 407 respectively. For Lines 406 and 407, the analysis assumed that up to ten residences (four occupants each) and up to two commercial buildings (ten occupants each) could be affected. For Line DFM, the analysis assumed that up to two residences and one commercial structure could be affected.
- Explosion, 1-inch Diameter Pipeline Release - These impacts could be significant within 35 feet from each of the line segments. The analysis assumed that one residence or one commercial structure could be affected by a release. A population of up to four per residence and up to ten individuals per commercial building was used.
- Explosion, Full Bore Pipeline Release - These impacts could be significant within 55-feet of Line DFM and 380-feet of Lines 406 and 407. A width of exposure to a 1 psig pressure level of 400-feet was assumed for Lines 406 and 407, resulting in up to four residences, housing four individuals per residence and up to two commercial buildings, with 10 occupants each. A population of one residence (four occupants) or one commercial building (ten occupants) was used for Line DFM.

#### *Exposures to Vehicle Occupants*

The societal risk analysis for potential impacts to vehicle occupants used the same methodology as outlined earlier for the individual risk. However, an average occupancy of two occupants per vehicle was used, instead of one occupant per vehicle for the individual risk analysis.

#### *Societal Risk Results*

Selected results of the societal risk analyses are presented below. The items presented are the cases that resulted in the highest ratio of site casualties to the societal risk criteria. In other words, these cases are those that presented the risks closest to the stated significance criteria. As indicated, the ratio of site casualties to the societal risk criteria is less than 1.0 for each situation. As a result, the societal risk is not considered significant, using the stated societal risk criteria; the number of anticipated site casualties is less than the societal risk criteria corresponding to the exposure probability.

**EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

For example, the probability of a rupture torch fire from Line 407 (Phase I) is 9.6e-06 per year. Based on the societal risk criteria (SRC), 23 people would need to be seriously injured or killed before this incident would be considered significant because the likelihood is relatively low. Should this type of incident occur, the analysis indicates that the number of site casualties (SC) would be 12. The resulting SC/SRC ratio is 0.53. Since this value is less than 1.00, the societal risks posed by this scenario is not considered significant.

**Table 4.1.4-12 Societal Risk Summary (Highest Risk Scenarios Only)**

Release	Exposure Probability	Probability of Serious Injury or Fatality to Exposed Individuals	Population Exposed	Number of Site Casualties (SC)	Societal Risk Criteria (SRC)	SC/SRC
<b>Exposures to Occupants of Residences and Commercial Buildings</b>						
Line 406 Rupture Torch Fire Residences	3.19e-07	0.50	24	12	56	0.21
Line 407, Phase I Rupture Torch Fire Residences	9.6e-06	0.50	24	12	23	0.53
Line 407, Phase I Rupture Torch Fire Commercial	9.6e-06	0.50	20	10	23	0.44
<b>Exposures to Vehicle Occupants</b>						
Line 406 Interstate 5 Rupture Explosion	9.1e-07	0.10	6	0.6	33	0.02
Line 406 Interstate 5 Rupture Torch Fire	1.6e-06	0.10	7	0.7	25	0.03
Line 407 Phase I Baseline Road Rupture Explosion	1.2e-05	0.10	3	0.3	9	0.03

Line 407 Phase I Baseline Road Rupture Torch Fire	1.7e-06	0.10	4	0.4	8	0.05
Line 407 Phase I Baseline Road Rupture Flash Fire	1.9e-06	0.10	3	0.3	23	0.01

There are a few release scenarios that could impact both building occupants and vehicle passengers. For example, an explosion along Baseline Road could impact commercial buildings, the residential neighborhood, and vehicle occupants. However, when these data are combined, the resulting societal risk remains below the stated significance threshold.

**Mitigation Measures**

The following mitigation measures are proposed to reduce the significant impacts posed by this project.

**HAZ-1a.** All pipe to be installed shall meet the following requirements:

- Line pipe shall be manufactured in the year 2000 or later.
- A 6-inch wide polyethylene marker tape shall be installed approximately 12 to 18-inches below the ground surface, above the center of the pipeline. The marking tape shall be brightly colored and shall be marked with an appropriate warning (e.g., Warning – High Pressure Natural Gas Pipeline).
- The pipe wall thickness shall be at least 0.375-inches.
- The depth of cover shall be at least 48-inches.
- 100% of the circumferential welds shall be radiographically inspected in accordance with American Petroleum Institute (API) Standard 1104, Welding of Pipelines and Related Facilities.
- If the in-line inspection required in mitigation measures HAZ-1b below is not implemented because the pipeline is operated below a hoop stress of 40% SMYS, a close interval cathodic protection survey shall be performed at least every seven years on portions of the line not included in the Applicant’s Pipeline Integrity Management Program.

## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

**HAZ-1b.** Prior to placing the pipeline system into service, the Applicant shall:

- Submit to the California State Lands Commission (CSLC) and the California Public Utilities Commission (CPUC) an Operation and Maintenance (O&M) manual, prepared in accordance with 49 CFR 192.605. The O&M manual shall address internal and external maintenance inspections of the completed facility, including but not limited to details of integrity testing methods to be applied, corrosion monitoring and testing of the cathodic protection system, and leak monitoring. In addition, the O&M manual shall also include a preventative mitigation measure analysis for the use of automatic shutdown valves per 49 CFR Part 192.935(c) requirements.
- PG&E shall conduct an in-line inspection of the pipeline if the Maximum Allowable Operating Pressure (MAOP) is raised to a pressure that creates a circumferential stress greater than 40% Specified Minimum Yield Strength (SMYS). The in-line inspection tool shall be capable of identifying pipe anomalies caused by internal and external corrosion and other causes of metal loss.
- A Pipeline Integrity Management Program for High Consequence Area (HCA) portions of the pipeline shall also be prepared in accordance with 49 CFR 192, Subpart O. The Integrity Management Program shall be submitted to the CSLC and CPUC.

**HAZ-1c.** The CSLC shall conduct, or cause to be conducted, an independent, third party design review of the Applicant's construction drawings, supporting calculations, and specifications and shall monitor and observe construction to ensure compliance with all applicable LORS, imposed mitigation, and Applicant proposed mitigation. The Applicant shall make payments to the CSLC for these design reviews, plan checks, and construction inspection services. These design review and construction observation services shall not in any way relieve the Applicant of its responsibility and liability for the design, construction, operation, maintenance and emergency response for these facilities.

### **Rationale for Mitigation**

The societal risks are not considered significant. However, the individual risks identified herein exceed significance thresholds. The significance of these risks is primarily due to the individual risks caused by exposure to possible torch fires and explosions resulting from ruptures within developed areas. The proposed mitigation measures are intended to minimize the likelihood and consequences of pipeline ruptures.

The natural gas pipeline incidents, which were identified as “ruptures” in the USDOT database from 2002 through 2006 have been reviewed. The following points are worth noting:

- 46% of the ruptures were considered longitudinal tears or cracks. Of the components where the manufacturing date was provided, the average date of manufacture was 1955 – roughly 50 years old at the time of failure. Roughly three-quarters of these incidents were caused by third party damage and external corrosion, with the remainder being caused by a variety of factors.
- 50% of the ruptures were considered circumferential separation. For these cases, there was not a predominant cause(s).
- 4% of the ruptures were considered “other”.

#### *Third Party Damage Mitigation Effectiveness*

In western Europe, the effectiveness of various forms of third party damage mitigation has been studied (HSE 2001). The findings are summarized below:

- Increased Wall Thickness – For 24-inch diameter pipe, a wall thickness of 0.375-inches or greater was found to reduce the frequency of third party caused unintentional releases by 80%. In other words, the incident rate was 20% of the norm. (The Applicant has proposed wall thicknesses that are equal to or greater than 0.375-inches for much of the project.)
- Increased Depth of Cover – Pipelines with a depth of cover of 48-inches or greater experienced a 30% reduction in third party caused incidents. (The incident rate was 70% of the norm.)
- Supplemental Third Party Protection – Pipelines protected with some form of third party warning device (e.g., marker tape, concrete cap, steel plates, etc.) experienced a reduction in third party caused incidents of 10%. (The incident rate was 90% of the norm.)

By implementing the above measures, the frequency of third party caused incidents may be reduced by roughly one-third.

#### *External Corrosions Mitigation Effectiveness*

Although data is not available to quantify the effectiveness of the external corrosion mitigation measures, the qualitative impacts can be summarized as follows:

- Increased Wall Thickness – Although increased pipe wall thickness does not prevent external corrosion, it allows more time to pass before a leak may result. This increased time period increases the likelihood that the anomaly will be identified by the operator before a release occurs.

## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

- In-Line Inspection – Internal inspections of pipelines using modern techniques can identify external corrosion and other pipe wall anomalies, reducing the likelihood of a release.
- Close Interval Survey – Close interval cathodic protection surveys can identify coating defects and potential metal loss before a release is experienced.

### *Circumferential Separation*

Inspecting 100% of the circumferential welds in accordance with API 1104 will decrease the likelihood of weld defects, which caused a portion of the circumferential separation ruptures noted in the USDOT database.

### **Residual Impacts**

With the proposed mitigation, the individual risk would be reduced by roughly one-half. However, the individual risk would still be approximately 1:30,000 which exceeds individual risk significance thresholds by a factor of thirty.

It should be noted that there are a significant number of similar natural gas pipelines located in similar, and even more heavily urbanized areas. Many of these pipelines pose a greater risk to the public than the proposed line segments. The risks posed by these facilities have been generally accepted as a cost of modern living.

#### **4.1.5 Impacts of Alternatives**

A No Project Alternative and twelve options have been proposed for the alignment in order to minimize or eliminate environmental impacts of the proposed project and to respond to comments from nearby landowners. The twelve options, labeled A through L, have been analyzed in comparison to the portion of the proposed route that has been avoided as a result of the option. Descriptions of the options can be found in Section 3.0, Alternatives and Cumulative Projects, and are depicted in Figure 3-2.

The identified alternatives have been analyzed in the same manner that was used to analyze the proposed project. From a public risk standpoint, the alternatives present slightly different risks, since each route has slightly different lengths of line which could affect the public in the event of a release and subsequent fire and/or explosion

### **No Project Alternative**

The “no project” alternative would eliminate the risks posed by the project, provided the operating pressures, sizes, and other operating parameters of existing natural gas facilities were not changed.

### **Option A**

This option would realign a portion of Line 406 along County Road 16 and 15B. This would increase the length of Line 406 which would pose an impact to existing residences and roadways. The annual likelihood of serious injury or fatality along Line 406 would increase 22%, from  $2.89 \times 10^{-6}$  to  $3.52 \times 10^{-6}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would increase 1%, from  $6.08 \times 10^{-5}$  to  $6.16 \times 10^{-5}$ .

### **Option B**

Similar to option A, this option would realign a portion of Line 406. This would increase the length of Line 406 which would pose an impact to existing residences and roadways. The annual likelihood of serious injury or fatality along Line 406 would increase 29%, from  $2.89 \times 10^{-6}$  to  $3.72 \times 10^{-6}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would increase 2%, from  $6.08 \times 10^{-5}$  to  $6.18 \times 10^{-5}$ .

### **Option C**

The risks posed by this option are essentially the same as the proposed project.

### **Option D**

This option would realign a portion of Line 406. The primary change would be to extend the portion of line along County Road 17. This would increase the length of Line 406 which would pose an impact to existing residences and roadways. The annual likelihood of serious injury or fatality along Line 406 would increase 30%, from  $2.89 \times 10^{-6}$  to  $3.75 \times 10^{-6}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would increase 2%, from  $6.08 \times 10^{-5}$  to  $6.18 \times 10^{-5}$ .



## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

### **Option E**

This option would realign a portion of Line 406. The primary change would be to extend the portion of line along County Road 19. This would increase the length of Line 406 which would pose an impact to existing residences and roadways. The annual likelihood of serious injury or fatality along Line 406 would increase 24%, from  $2.89 \times 10^{-6}$  to  $3.57 \times 10^{-6}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would increase 1%, from  $6.08 \times 10^{-5}$  to  $6.16 \times 10^{-5}$ .

### **Option F**

This option would realign a portion of Line 407, Phase II. The realignment would result in minimal changes to the risks posed to the public. The annual likelihood of serious injury or fatality along Line 407, Phase II would increase 3%, from  $7.75 \times 10^{-6}$  to  $7.99 \times 10^{-6}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would increase less than 1%, from  $6.08 \times 10^{-5}$  to  $6.12 \times 10^{-5}$ .

### **Option G**

The risks posed by this option are essentially the same as the preferred project.

### **Option H**

This option would realign a portion of Line 407, Phase II, adding to the potential impacts to vehicle occupants along Powerline Road and West Elverta Road. The realignment would result in slight increases to the risks posed to the public. The annual likelihood of serious injury or fatality along Line 407, Phase II would increase 28%, from  $7.75 \times 10^{-6}$  to  $9.92 \times 10^{-6}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would increase less than 4%, from  $6.08 \times 10^{-5}$  to  $6.31 \times 10^{-5}$ .

### **Option I**

This option would realign a portion of Line 407, Phase I to place the line outside the 1,500-foot buffer zone around a planned high school (PG&E 2009). This alternative would:

- Add approximately 3,000 lineal feet of pipe to the overall pipeline length.
- Remove one mile of line from potential impacts to vehicle occupants and planned commercial development along Baseline Road.

- Add 1,500 lineal feet of potential impacts to vehicle occupants along both South Brewer and Country Acres Roads.
- Add impacts to existing rural residences.

The annual likelihood of serious injury or fatality along Line 407, Phase I would decrease 14%, from  $1.99 \times 10^{-5}$  to  $1.71 \times 10^{-5}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would decrease 5%, from  $6.08 \times 10^{-5}$  to  $5.80 \times 10^{-5}$ .

The California Education Code, Section 17213 specifies that a school district may not approve a project involving the acquisition of a school site unless it determines that the property to be purchased or built upon does not contain a pipeline situated underground or aboveground that carries hazardous substances, acutely hazardous materials, or hazardous wastes, unless the pipeline is a natural gas line used only to supply that school or neighborhood. The California Code of Regulation, Title 5, Section 14010(h) states that, "the site shall not be located near an above-ground water or fuel storage tank or within 1,500 feet of the easement of an above ground or underground pipeline that can pose a safety hazard as determined by a risk analysis study, conducted by a competent professional." This realignment would place the proposed natural gas line beyond the specified 1,500-foot school buffer.

## **Option J**

This option J is very similar to Option I discussed above. It would realign a portion of Line 407, Phase I to place the line outside the 1,500-foot buffer zone around a planned high school (PG&E 2009). This alternative would:

- Add approximately 5,200 lineal feet of pipe to the overall pipeline length.
- Remove one mile of line from potential impacts to vehicle occupants and planned commercial development along Baseline Road.
- Add 2,600 lineal feet of potential impacts to vehicle occupants along South Brewer Road.
- Add roughly 2,000 lineal feet of potential impacts to vehicle occupants along Country Acres Road.
- Add impacts to existing rural residences.

The annual likelihood of serious injury or fatality along Line 407, Phase I would decrease 10%, from  $1.99 \times 10^{-5}$  to  $1.80 \times 10^{-5}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would decrease 3%, from  $6.08 \times 10^{-5}$  to

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

$5.89 \times 10^{-5}$ . This realignment would place the proposed natural gas line beyond the specified 1,500-foot school buffer.

### Option K

This alternative would realign a portion of Line 407, Phase I approximately 150-feet further to the north, just beyond the 1,500-foot buffer of a planned elementary school. This alternative would reduce the length of line affecting vehicle occupants from the impacts of 1-inch diameter releases along Baseline Road. The annual likelihood of serious injury or fatality along Line 407, Phase I would decrease less than 2%, from  $1.99 \times 10^{-5}$  to  $1.96 \times 10^{-5}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would decrease less than 1%, from  $6.08 \times 10^{-5}$  to  $6.05 \times 10^{-5}$ .

Although this realignment would place the proposed natural gas line outside the 1,500-foot buffer, it is unlikely that serious risks would be posed to the student body from the applicant proposed pipeline location, which is approximately 1,350 feet from the school boundary. The distances to various impacts from the proposed pipeline are summarized below. As noted, the impacts are very minor at distances greater than 800 to 1,000 feet.

Table 5.1.5-1 Consequence versus Distance Summary

Distance to Impact (feet)	Description of Potential Consequence
35 feet	1.0 psig overpressure from 1-inch diameter release explosion, release 45° above horizon. Windows usually shattered and occasional damage to window frames. 1% probability of serious injury or fatality to occupants in reinforced concrete or reinforced masonry building from flying glass and debris
50 feet	0.7 psig overpressure from 1-inch diameter release explosion, release 45° above horizon. Minor damage to residential structures. Some injuries to those indoors due to flying debris, but very unlikely to be serious.
50 feet	8,000 btu/hr-ft <sup>2</sup> heat flux from 1-inch diameter release torch fire, release 45° above horizon. 50% mortality anticipated to those exposed.
70 feet	3,500 btu/hr-ft <sup>2</sup> heat flux from 1-inch diameter release torch fire, release 45° above horizon. Second degree skin burns after ten seconds of exposure.
90 feet	1,600 btu/hr-ft <sup>2</sup> heat flux from 1-inch diameter release torch fire, release 45° above horizon. Second degree skin burns after thirty seconds of exposure.

360 feet	Distance to lower flammability limit (flash fire boundary) from full bore release at 45° above horizon for flash fire. This would likely result in serious injury or death to those exposed to the ignited vapor cloud under typical conditions.
380 feet	1.0 psig overpressure from full bore release explosion, release 45° above horizon. Windows usually shattered and occasional damage to window frames. 1% probability of serious injury or fatality to occupants in reinforced concrete or reinforced masonry building from flying glass and debris.
420 feet	1.0 psig overpressure from full bore release explosion, horizontal release. Windows usually shattered and occasional damage to window frames. 1% probability of serious injury or fatality to occupants in reinforced concrete or reinforced masonry building from flying glass and debris.
520 feet	8,000 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, release 45° above horizon. 50% mortality anticipated to those exposed.
540 feet	0.7 psig overpressure from full bore release explosion, release 45° above horizon. Minor damage to residential structures. Some injuries to those indoors due to flying debris, but very unlikely to be serious.
600 feet	0.7 psig overpressure from full bore release explosion, horizontal release. Minor damage to residential structures. Some injuries to those indoors due to flying debris, but very unlikely to be serious.
600 feet	5,000 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, release 45° above horizon. California Department of Education uses 1% mortality to those exposed.
640 feet	Distance to lower flammability limit (flash fire boundary) from full bore release at horizontal for flash fire. This would likely result in serious injury or death to those exposed to the ignited vapor cloud under typical conditions.
730 feet	3,500 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, release 45° above horizon. Second degree skin burns after ten seconds of exposure.
800 feet	8,000 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, horizontal release. 50% mortality anticipated to those exposed.
820 feet	5,000 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, horizontal release. California Department of Education uses 1% mortality to those exposed.
820 feet	Distance to lower flammability limit (flash fire boundary) from full bore release at horizontal for flash fire. This would likely result in serious injury or death to those exposed to the ignited vapor cloud. This result is for the worst case modeling inputs, as defined by the United States Environmental Protection Agency.
940 feet	1,600 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, release 45° above horizon. Second degree skin burns after thirty seconds of exposure. No fatalities anticipated for reasonable exposure duration.
980 feet	1,600 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, horizontal release. Second degree skin burns after thirty seconds of exposure. No fatalities anticipated for reasonable exposure duration.
1,260 feet	0.3 psig overpressure from full bore release explosion, release 45° above horizon. 10% window glass breakage. No injuries.
1,370 feet	440 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, horizontal release. Prolonged skin exposure causes no detrimental effect.
1,540 feet	440 btu/hr-ft <sup>2</sup> heat flux from full bore release torch fire, release 45° above horizon. Prolonged skin exposure causes no detrimental effect.

## EDM Services, Inc.

April 13, 2009

System Safety and Risk of Upset

1,890 feet	0.2 psig overpressure from full bore release explosion, release 45° above horizon. Some window glass breakage, no injuries to building occupants.
------------	---------------------------------------------------------------------------------------------------------------------------------------------------

It should be noted that the California Department of Education (CDE), Guidance Document for School Site Pipeline Risk Analysis (Guidance Document) considers 1% mortality (fatality probability of 1%) to be the reasonable estimate of the boundary of serious harm. It is considered the demarcation between threat (1% mortality) and no-threat (0% mortality). Using this criterion, the following boundary distances could be established from the proposed Line 407, Phase I, to proposed school sites:

- Explosion – 420 feet. This is the distance to the 1.0 psig overpressure level from a full bore, horizontal release. This level of overpressure is considered by some sources to result in a 1% probability of serious injury or fatality to occupants in reinforced concrete or reinforced masonry building from flying glass and debris. It should be noted that this is a conservative result. For reference, the CDE Guidance Document indicates that an overpressure level of up to 2.3 psig will not result in any fatalities to persons inside buildings or outdoors; the maximum anticipated peak overpressure level from the proposed pipeline is 1.5 psig at distances less than 420 feet from the source.
- Flash Fire – 640 feet. This is the downwind distance to the lower flammability limit of an unignited vapor cloud from a full bore horizontal release under the typical conditions outlined in Table 4.1.4-4. It should be noted that the size of the combustible vapor cloud can vary significantly depending on atmospheric and other conditions. For example, if the wind speed was decreased from 2.0 to 1.5 meters per second and the stability class was changed from D to F, the downwind distance to the lower flammability limit of the unignited vapor cloud would increase to 820 feet; these conditions are considered the worst case for off-site consequence modeling from stationary sources by the United States Environmental Protection Agency.
- Torch Fire – 820 feet. This is the distance to the 5,000 btu/hr-ft<sup>2</sup> heat flux which is considered by the CDE to be the level of exposure resulting in 1% mortality. For reference, the CDE Guidance Document provides charts for determining radiant heat from torch fires. Although these charts were developed using a different modeling software, they show a distance of 975 feet from the release to the 5,000 btu/hr-ft<sup>2</sup> heat flux. (CDE 2007)

### Option L

Option L would involve installing the portion of Line 407, Phase I which is within the 1,500 foot buffer of a planned elementary school, using horizontal directional drilling techniques. This would significantly reduce or eliminate the likelihood of the line being

damaged by third parties, since the line would be installed well below normal excavation depths. The estimated baseline risk of unintentional release would be reduced roughly one-third, from  $1.96 \times 10^{-4}$  to  $1.2 \times 10^{-4}$ . The annual likelihood of serious injury or fatality along Line 407, Phase I would decrease less than 3%, from  $1.99 \times 10^{-5}$  to  $1.94 \times 10^{-5}$ . The overall likelihood of serious injury or fatality for all of the proposed line segments would decrease less than 1%, from  $6.08 \times 10^{-5}$  to  $6.03 \times 10^{-5}$ . Summary of Alternatives

Although most of the alternatives pose slightly higher risks than the proposed project, the various project alternatives pose very minor changes to the overall project risk.

**Table 4.1.5-1 Summary of Alternatives Risk**

<b>Project Alternative</b>	<b>Annual Risk of Serious Injury or Fatality</b>	<b>Annual Likelihood of Serious Risk or Fatality</b>
Proposed Project	6.08e-05	1 : 16,000
Option A	6.16e-05	1 : 16,000
Option B	6.18e-05	1 : 16,000
Option C	6.08e-05	1 : 16,000
Option D	6.18e-05	1 : 16,000
Option E	6.16e-05	1 : 16,000
Option F	6.12e-05	1 : 16,000
Option G	6.08e-05	1 : 16,000
Option H	6.31e-05	1 : 16,000
Option I	5.80e-05	1 : 17,000
Option J	5.89e-05	1 : 17,000
Option K	6.05e-05	1 : 17,000
Option L	6.03e-05	1 : 17,000

**4.1.6 Cumulative Projects Impact Analysis**

From a system safety perspective, the proposed project has not been considered as to cumulative impacts.

**References:**

California Department of Education (CDE 2007). February 2007. Guidance Protocol for School Site Pipeline Risk Analysis.

## **EDM Services, Inc.**

April 13, 2009

System Safety and Risk of Upset

California Public Utilities Commission (CPUC 2006). Mitigated Negative Declaration for the Kirby Hills Natural Gas Storage Facility (A. 05-07-018).

Health and Safety Executive (HSE 2000). Report on a Study of International Pipeline Accidents, Contract Research Report 294/2000. United Kingdom.

Health and Safety Executive (HSE 2001). An Assessment of Measures in Use for Gas Pipelines to Mitigate Against Damage Caused by Third Party Activity. Contract Research Report 372/2001. United Kingdom. Mannan, Dr. Sam.

Lee's Loss Prevention in the Process Industries. (LEES) Third Edition.

National Transportation Safety Board (NTSB 2002). Pipeline Rupture and Subsequent Fire in Bellingham, Washington, June 10, 1999. Pipeline Accident Report NTSB/PAR-02/02. Washington, DC.

National Transportation Safety Board (NTSB 2003). Natural Gas Pipeline Rupture and Fire Near Carlsbad, New Mexico, August 19, 2000. Pipeline Accident Report NTSB/PAR-03/01. Washington, DC.

New Mexico Business Weekly (Business Weekly). 2002. El Paso Corporation Settles with Victims' Families, September.

Payne, Brian L. et al. EDM Services, Inc. 1993. California Hazardous Liquid Pipeline Risk Assessment, Prepared for California State Fire Marshal, March.

Pacific Gas and Electric Company (PG&E 2007). 2007. Pipeline Extension L-108 Drawing 7051645, Revision 01, sheets 1 through 31.

Pacific Gas and Electric Company (PG&E 2009). 2009. Line 407 Alternative Route Analysis.

Quest Consultants, CANARY. (QUEST 2003) CANARY by Quest User's Manual. 2003.

United States Department of Transportation (USDOT), Bureau of Transportation Statistics. Various Years. National Transportation Statistics. Accessed data at <http://ops.dot.gov/stats/IA98.htm> in September and October 2008.