

***Appendix A***

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Notice of Preparation and Comments Received

Date of Mailing: July 13, 2010

## Notice of Preparation

**To:** Office of Planning and Research  
State Clearinghouse  
1400 Tenth Street, Room 212  
Sacramento, CA 95814

**From:** City of Tracy  
Development and Engineering  
Services Department  
333 Civic Center Plaza  
Tracy, CA 95376  
Attn.: Alan Bell, Senior Planner

Responsible and Trustee Agencies,  
Utility Providers, Organizations,  
Neighboring Property Owners/Occupants,  
and Interested Parties

**Subject: Notice of Preparation of an Environmental Impact Report**

The City of Tracy will be the lead agency and will prepare an environmental impact report (EIR) for the proposed Filios/Dobler Annexation and Development Project (Project). This Notice of Preparation is sent pursuant to Section 15082 of the California Environmental Quality Act (CEQA) Guidelines to announce the initiation of the EIR process and to solicit comments from responsible and trustee agencies, utility providers, organizations, neighboring property owners, and interested parties concerning the scope of issues to be addressed in the EIR. Refer to the Probable Environmental Effects listed below to determine whether your concerns have already been identified. Please focus your comments on the Project's potential environmental impacts and recommendations for methods of avoiding, reducing or otherwise mitigating those impacts. If you are a governmental agency with discretionary authority over initial or subsequent aspects of this Project, describe that authority and provide comments regarding potential environmental effects that are germane to your agency's area of responsibility.

**Project Title:** Filios/Dobler Annexation and Development Project

**Project Location:** The Project site is located within San Joaquin County (County), immediately adjacent to the northwestern boundary of the City of Tracy (City). The approximately 43-acre triangular shaped Project site is bounded by Grant Line Road to the north, Union Pacific Railroad (UPRR) lines and Byron Road to the southwest, and the Tracy Marketplace Shopping Center to the east. Land uses surrounding the site include agricultural land to the north and southwest and commercial uses that are part of Tracy Marketplace Shopping Center to the east. Refer to Figure 1 (Regional Location Map) and Figure 2 (Project Location). The Project site is composed of the following five parcels: 209-27-010, 209-27-011, 209-27-026, 209-27-030 and 209-27-031.

**Project Description:** The Project proposes to annex approximately 43 acres of unincorporated land to the City; amend the City General Plan land use designation of the Project site from Urban Reserve 12 (UR 12) to Commercial; amend the I-205 Corridor Specific Plan to add the Project site to the Specific Plan area and designate it General Commercial (GC), and amend the freeway sign standards; and Prezone the Project site Planned Unit Development (PUD). In addition, the Project includes a buildout scenario that assumes a maximum of 538,000 square feet of commercial/office uses to be built on the Project site,

*Development and Engineering Services Department  
333 Civic Center Plaza  
Tracy, CA 95376  
Phone: (209) 831-6400*

consistent with the assumptions of the City General Plan. The inclusion of this scenario is necessary in order to evaluate the environmental consequences of the Project, since the City has not received an application for specific improvements to the Project site.

**Probable Environmental Effects:** The purpose of the EIR is to provide full disclosure, in advance, of the potential environmental impacts that would result from implementation of the proposed Project. The EIR will analyze the extent to which the Project design and alternatives would result in significant environmental impacts and will identify appropriate Project modifications or mitigation measures to reduce or eliminate these impacts. Issues that will be examined include the following:

- Aesthetics – Impacts on the visual character or quality of the site and its surroundings. Impacts from the creation of new sources of light and glare.
- Agricultural Resources – Impacts regarding the conversion of farmland to non-agricultural use and potential conflicts between agricultural and non-agricultural uses.
- Air Quality – Short-term construction and long-term-operational impacts to air quality. Global climate change impacts.
- Biological Resources – Impacts on candidate, sensitive or special-status species, riparian habitat or other sensitive natural community, federally protected wetlands, or wildlife movement.
- Cultural Resources – Impacts on unknown historic, prehistoric or paleontological resources.
- Geology and Soils – Impacts resulting from seismic ground shaking and expansive soils, development on unstable soils and fill, and soil erosion and loss of topsoil from grading and earthwork.
- Hazards and Hazardous Materials – Impacts related to hazardous materials that may be present at the Project site.
- Hydrology and Water Quality – Impacts on the existing local drainage system and hydrology of the area, as well as potential flooding, and surface and groundwater quality impacts.
- Land Use and Planning – Project consistency with the Tracy General Plan, Tracy Zoning Ordinance and the I-205 Corridor Specific Plan.
- Noise – Short-term construction and long-term operational noise impacts.
- Public Services, Utilities and Service Systems – Impacts from intensification of land uses at the Project site.
- Transportation/Traffic – Local and regional traffic, transportation, circulation, and parking impacts at nearby intersections and street segments.

**Scoping:** The City invites written comments on the scope of the EIR and alternatives that should be considered. Due to the time limits mandated by state law, your response must be sent at the earliest possible date, **but no later than 30 days after receipt of this notice**. Written comments should be sent to Alan Bell, Senior Planner, at the mailing address above by **5:00 p.m. on August 13, 2010**.

Comments should focus on identifying specific environmental impacts to be evaluated during the EIR process and suggesting Project modifications or alternatives that would be less environmentally damaging while achieving similar Project objectives. Scoping comments should focus on issues and alternatives to be studied, not on expressing a preference for a particular alternative.

If you wish to be placed on a mailing list to receive further information as the Project progresses, please contact Alan Bell at (209) 831-6426, alan.bell@ci.tracy.ca.us or the mailing address above.

Date: July 13, 2010 Signature: \_\_\_\_\_  
Title: William Dean, Assistant Director, Development  
and Engineering Services

Reference: California Code of Regulations, Title 14, (State CEQA Guidelines) Sections 15082(A), 15103, 15375

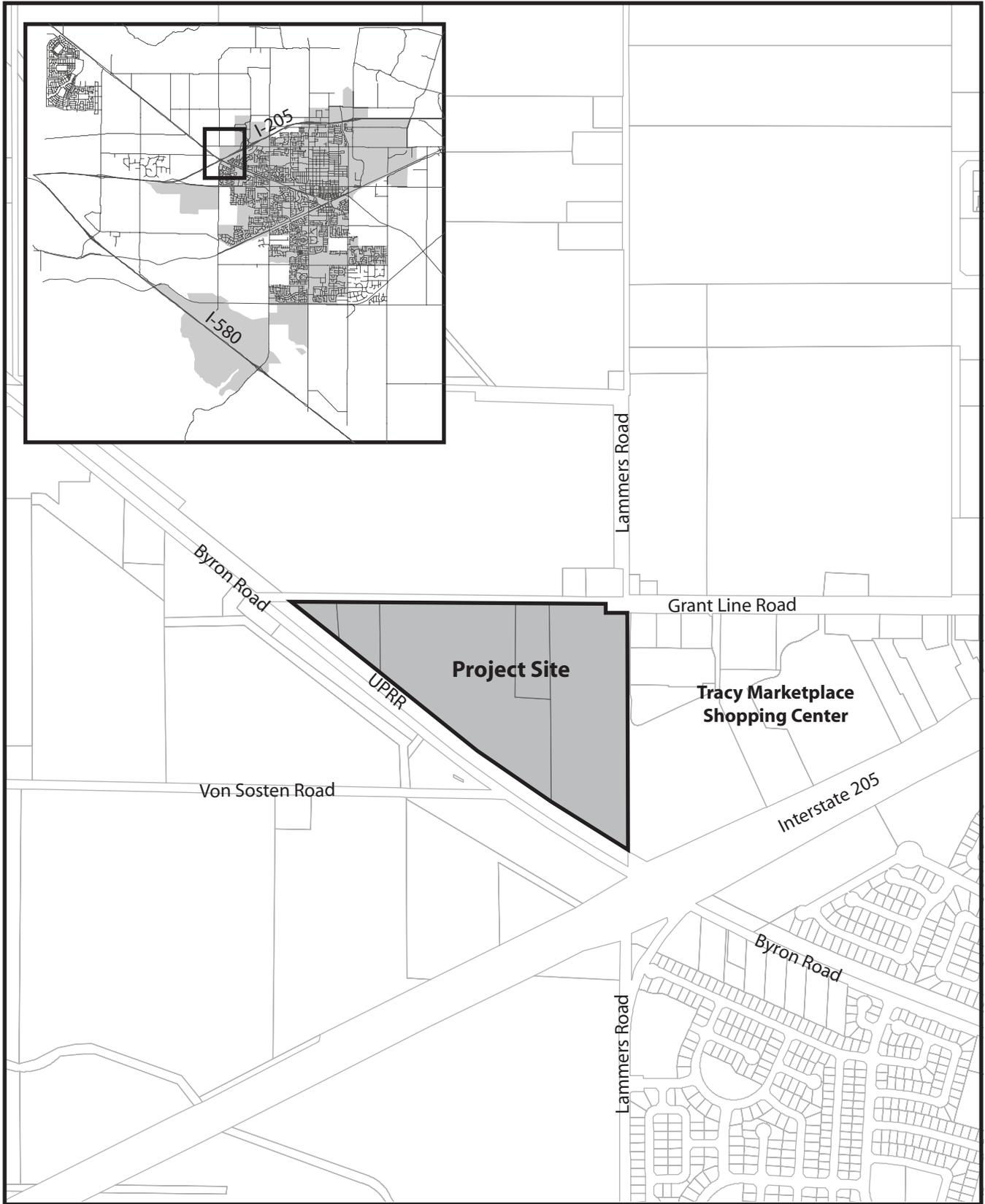


Source: Design, Community & Environment (DC&E) (2005)



Filios/Dobler Annexation NOP  
**Regional Location Map**

Figure 1



Source: City of Tracy (2010)

**DEPARTMENT OF TRANSPORTATION**

P.O. BOX 2048 STOCKTON, CA 95201  
(1976 E. CHARTER WAY/1976 E. DR. MARTIN  
LUTHER KING JR. BLVD. 95205)  
TTY: California Relay Service (800) 735-2929  
PHONE (209) 941-1921  
FAX (209) 948-7194



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**JUL 20 2010**

**CITY OF TRACY  
D.E.S.**

July 20, 2010

**10-SJ-205-PM 5.1  
SCH#2010072043  
Filius/Dobler Annexation  
& Development**

Alan Bell  
City of Tracy  
333 Civic Center Plaza  
Tracy, CA 95376

Dear Mr. Bell:

The California Department of Transportation (Department) appreciates the opportunity to have reviewed the Notice of Preparation (NOP) for the Filius/Dobler Annexation and Development Project draft Environmental Impact Report (EIR). The Department has the following comments:

Prior to the start of work on the Traffic Impact Study (TIS) please submit a copy of the draft scope of work for review by Caltrans. This will ensure that the scope of work for the TIS adequately addresses the project study area, data collection, project trip generation, traffic study scenarios, analysis methodology, mitigation, technical analysis reports.

Upon completion of the TIS please provide three (3) paper copies along with a disk containing the complete electronic data files (Synchro 6, Sim Traffic, Traffix 7.9, HCS, etc.) for our review and comment. This will help expedite our review.

Mr. Bell  
July 20, 2010  
Page 2

If you have any questions or would like to discuss our comments in more detail, please contact Kathy Selsor at (209) 948-7190 ([e-mail: kathy\\_selsor@dot.ca.gov](mailto:kathy_selsor@dot.ca.gov)) or me at (209) 941-1921.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Dumas", with a large, sweeping flourish extending to the left.

TOM DUMAS, CHIEF  
OFFICE OF METROPOLITAN PLANNING

c: SMorgan CA Office of Research and Planning



DEPARTMENT OF FISH AND GAME

John McCamman, Director

Bay Delta Region  
7329 Silverado Trail  
Napa, CA 94558  
(707) 944-5500  
[www.dfg.ca.gov](http://www.dfg.ca.gov)



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AUG 04 2010

CITY OF TRACY  
D.E.S.

July 30, 2010

Mr. Allen Bell  
City of Tracy  
333 Civic Center Plaza  
Tracy, CA 95376

Dear Mr. Bell:

Subject: Filios/Dobler Annexation and Development Project, Notice of Preparation,  
SCH #2010072043, City of Tracy, San Joaquin County

Department of Fish and Game (DFG) personnel have reviewed the Notice of Preparation (NOP) for the Filios/Dobler Annexation and Development Project (Project). The unincorporated land (43 acres) to be annexed into the City of Tracy (City) is located in San Joaquin County, immediately adjacent to the northwestern boundary of the City of Tracy at 37 degrees 45.2' N latitude and 121 degrees 28.8' W longitude, Township 2S, Range 4E, Section 13; assessor's parcel numbers 209-27-010, -011, -26, -30, and -31. It is bounded by Grant Line Road to the north, Interstate 205 (I-205) to the southeast, the Union Pacific Railroad and Byron Road to the southwest, and Tracy Marketplace Shopping Center to the east. Land uses surrounding the site are agricultural land to the north and southwest and commercial uses that are part of Tracy Marketplace Shopping Center to the east.

The Project Sponsor, City of Tracy, proposes to annex approximately 43 acres of unincorporated land to the City; amend the City General Plan land use designation of the Project site from Urban Reserve 12 to Commercial; amend the I-205 Corridor Specific Plan to add the Project site to the Specific Plan area and designate it General Commercial, and amend the freeway sign standards; and Prezone the Project site Planned Unit Development. In addition, the Project includes a buildout scenario that assumes a maximum of 538,000 square feet of commercial/office uses to be built on the Project site. DFG is identified as a Trustee Agency pursuant to the California Environmental Quality Act (CEQA) Section 15386 and is responsible for the conservation, protection, and management of the State's biological resources. DFG considers the NOP and the resulting Environmental Impact Report (EIR) as a means to evaluate the Project and to develop adequate conservation and protection measures for natural biological resources.

In order to better evaluate the Project, please provide a complete assessment (including but not limited to type, quantity and locations) of the habitats, flora and fauna within and adjacent to the project area, including endangered, threatened, and locally unique species and sensitive habitats. The assessment should include the reasonably foreseeable direct

and indirect changes (temporary and permanent) that may occur with implementation of the project. Rare, threatened and endangered species to be addressed should include all those which meet CEQA definition (see CEQA Guidelines, Section 15380). DFG recommended survey and monitoring protocols and guidelines are available at [http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/Protocols for Surveying and Evaluating Impacts.pdf](http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/Protocols_for_Surveying_and_Evaluating_Impacts.pdf).

Please be advised that a California Endangered Species Act (CESA) Permit must be obtained if the project has the potential to result in take of species of plants or animals listed under CESA, either during construction or over the life of the project. Issuance of a CESA Permit is subject to CEQA documentation; therefore, the CEQA document must specify impacts, mitigation measures, and a mitigation monitoring and reporting program. If the project will impact CESA listed species, early consultation is encouraged, as significant modification to the project and mitigation measures may be required in order to obtain a CESA Permit.

The following are recommendations for methods of avoiding, reducing, or otherwise mitigating impacts to biological resources in the Project area:

#### Burrowing Owl

Burrowing owl burrows may be occupied outside of the nesting season (February 1 through August 31). If burrowing owl habitat will be disturbed or removed during the non-nesting season (September 1 through January 30), DFG suggests conducting surveys within 160 feet of construction activities. If occupied burrows are found within 160 feet during the non-nesting season, measures shall be taken to avoid the burrows. If that is not possible, passive relocation measures, according to the Burrowing Owl Consortium Guidelines, should be implemented prior to construction or staging activities. Passive relocation measures should not be used during the nesting season. Active nests should be avoided until all young have fledged the nest.

DFG requires mitigation for the loss of burrowing owl habitat by providing 6.5 acres of suitable habitat for every occupied burrow that is passively relocated and/or removed. Project proponents shall ensure the mitigation lands are protected in perpetuity and shall provide for the long-term management of the lands by funding a management endowment.

#### Swainson's Hawk

The Swainson's hawk is listed as threatened under CESA. Swainson's hawk nests in the California Central Valley are generally found in scattered trees or along riparian systems adjacent to agricultural fields or pastures. These open fields and pastures are the primary foraging areas where they prey on small rodents and reptiles. The dramatic Swainson's hawk population decline has been attributed to loss of native nesting and foraging habitat, and more recently to the loss of suitable nesting trees and the conversion of agricultural lands. Agricultural lands have been converted to urban land uses and incompatible crops.

Mr. Allen Bell  
July 30, 2010  
Page 3

To mitigate for the loss of foraging habitat, appropriate mitigation shall be provided based on the following ratios:

- For projects within one mile of an active nest tree, provide one acre of land for each acre of development authorized (1:1 ratio).
- For projects within 5 miles of an active nest tree but greater than one mile from the nest tree, provide 0.75 acres of land for each acre of urban development authorized (0.75:1 ratio).
- For projects within 10 miles of an active nest tree but greater than 5 miles from an active nest tree, provide 0.5 acres of land for each acre of urban development authorized (0.5:1 ratio).

Project proponents shall ensure the mitigation lands are protected in perpetuity and shall provide for the long-term management of the lands by funding an endowment.

DFG suggests conducting pre-construction surveys for nesting raptors 14 days prior to tree pruning, tree removal, staging, ground disturbing or construction activities. Surveys should be conducted a minimum of 3 separate days during the 14 days prior to disturbance. DFG suggests a 500-foot buffer around active raptor nests for all project activities as is stated in the draft EIR. If construction activity is to encroach into buffer areas for nesting hawks or burrowing owls, DFG suggests the biological monitor be consulted prior to approving encroachment activities.

If you have any questions, please contact Ms. Andrea Boertien, Environmental Scientist, at (209) 942-6070 or [aboertien@dfg.ca.gov](mailto:aboertien@dfg.ca.gov); or Mr. Scott Wilson, Environmental Program Manager, at (707) 944-5584 or [swilson@dfg.ca.gov](mailto:swilson@dfg.ca.gov).

Sincerely,



for Charles Armor  
Regional Manager  
Bay Delta Region

cc: State Clearinghouse

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



August 12, 2010

Alan Bell  
City of Tracy  
333 Civic Center Plaza  
Tracy, CA 95376

Re: Notice of Preparation, Draft Environmental Impact Report (DEIR)  
Filos/Dobler Annexation and Development Project  
SCH# 2010072222043

Dear Mr. Bell:

As the state agency responsible for rail safety within California, the California Public Utilities Commission (CPUC or Commission) recommends that development projects proposed near rail corridors be planned with the safety of these corridors in mind. New developments and improvements to existing facilities may increase vehicular traffic volumes, not only on streets and at intersections, but also at at-grade highway-rail crossings. In addition, projects may increase pedestrian traffic at crossings, and elsewhere along rail corridor rights-of-way. Working with CPUC staff early in project planning will help project proponents, agency staff, and other reviewers to identify potential project impacts and appropriate mitigation measures, and thereby improve the safety of motorists, pedestrians, railroad personnel, and railroad passengers.

The DEIR-Transportation/Traffic section needs to specifically include traffic safety issues to the at-grade railroad crossing located at Grant Line Road (CPUC # 001B-78.70). It is recommended that this at-grade railroad crossing be included in the Traffic Impact Study for this project. In general, the major types of impacts to consider are collisions between trains and vehicles, and between trains and pedestrians.

Measures to reduce adverse impacts to rail safety need to be considered in the DEIR. General categories of such measures include:

- Installation of grade separations at crossings, i.e., physically separating roads and railroad track by constructing overpasses or underpasses
- Improvements to warning devices at existing highway-rail crossings
- Installation of additional warning signage
- Improvements to traffic signaling at intersections adjacent to crossings, e.g., traffic preemption
- Installation of median separation to prevent vehicles from driving around railroad crossing gates
- Prohibition of parking within 100 feet of crossings to improve the visibility of warning devices and approaching trains

Alan Bell  
City of Tracy  
SCH # 2010072043  
August 12, 2010  
Page 2 of 2

- Installation of pedestrian-specific warning devices, channelization and sidewalks
- Construction of pull out lanes for buses and vehicles transporting hazardous materials
- Installation of vandal-resistant fencing or walls to limit the access of pedestrians onto the railroad right-of-way
- Elimination of driveways near crossings
- Increased enforcement of traffic laws at crossings
- Rail safety awareness programs to educate the public about the hazards of highway-rail grade crossings

Commission approval is required to modify an existing highway-rail crossing or to construct a new crossing.

Thank you for your consideration of these comments. We look forward to working with the City on this project. If you have any questions in this matter, please contact me at (415) 713-0092 or email at [ms2@cpuc.ca.gov](mailto:ms2@cpuc.ca.gov).

Sincerely,

Moses Stites  
Rail Corridor Safety Specialist  
Consumer Protection and Safety Division  
Rail Transit and Crossings Branch  
180 Promenade Circle, Suite 115  
Sacramento, CA 95834-2936



July 22, 2010

**RECEIVED**

**JUL 26 2010**

**CITY OF TRACY  
D.E.S.**

Allan Bell, Senior Planner  
City of Tracy  
Development and Engineering Services Department  
333 Civic Center Plaza  
Tracy, CA 95376

**Subject: Comments on Proposed Project**

**Project: NOP for the Filios/Dobler Annexation and Development Project**

**District CEQA Reference No: 20100586**

Dear Mr. Bell:

The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the Notice of Preparation (NOP) for the Filios/Dobler Annexation and Development Project. The project proposes to annex approximately 43 acres of land to the City and amend the land use designation of the project site from Urban Reserve 12 to Commercial. The project includes a buildout scenario that assumes a maximum of 538,000 square feet of commercial/office use. The District offers the following comments:

**District Comments**

- 1) The District recommends that any preliminary and final environmental review of the project's potential impact on air quality include the following:
  - 1a) A description of the regulatory environment and existing air quality conditions impacting the area. Information on the District's attainment status can be found on the District's web page at <http://valleyair.org/aqinfo/attainment.htm>.
  - 1b) A description of the project, including a discussion of existing and post-project emissions.

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585

- i) The discussion should include emissions from short-term activities such as construction, and emissions from long-term activities, such as operational, and area wide emission sources. Emissions from permitted (stationary sources) and non-permitted (mobile sources) sources should be analyzed separately. The project should be considered to have a significant adverse impact on air quality if emissions from either source exceed the following amounts: 10 tons per year of oxides of nitrogen (NOx), 10 tons per year of reactive organic gases (ROG), or 15 tons per year particulate matter of 10 microns or less in size (PM10).
  - ii) A discussion of whether the project would result in a cumulatively considerable net increase of any criteria pollutant or precursor for which the San Joaquin Valley Air Basin is in non-attainment.
  - iii) At this time there are no established significance thresholds for greenhouse gas emissions, however, it is suggested that the EIR include a discussion of greenhouse gas emissions generated by the project and the effect they will have, if any, on global climate change.
- 2) If the project is located near residential/ sensitive receptors, the proposed project should be evaluated to determine the health impact of TACs (Toxic Air Contaminants) to the near-by receptors.
- 2a) Prior to conducting a Health Risk Assessment (HRA), an applicant may perform a prioritization on all sources of emissions to determine if it is necessary to conduct an HRA. A prioritization is a screening tool used to identify projects that may have significant health impacts. If the project has a prioritization score of 10 or more, the project has the potential to exceed the District's significance threshold for health impacts of 10 in a million. Information on conducting a prioritization can be obtained from the District by contacting Mr. Leland Villalvazo, Supervising Air Quality Specialist, at [hramodeler@valleyair.org](mailto:hramodeler@valleyair.org).
  - 2b) If the prioritization score indicates that toxic air contaminants (TACs) are a concern, the District recommends that a Health Risk Assessment (HRA) be performed. If an HRA is to be performed, it is recommended that the project proponent contact the District to review the proposed modeling approach. Please contact Mr. Leland Villalvazo, Supervising Air Quality Specialist, at [hramodeler@valleyair.org](mailto:hramodeler@valleyair.org). Additional information on TACs can be found on the District's Air Quality Modeling page:  
  
[http://www.valleyair.org/busind/pto/Tox\\_Resources/AirQualityMonitoring.htm](http://www.valleyair.org/busind/pto/Tox_Resources/AirQualityMonitoring.htm)
- 3) A discussion of whether the project would create nuisance odors.

- 4) A discussion of the methodology, model assumptions, inputs and results used in characterizing the project's impact on air quality.
- 5) A discussion of all existing District regulations that apply to the project.
- 6) A discussion of all feasible measures that will reduce air quality impacts.
- 7) Based on information provided to the District, the proposed project would equal or exceed 2,000 square feet of commercial space. Therefore, the District concludes that the proposed project is subject to District Rule 9510 (Indirect Source Review).

District Rule 9510 is intended to mitigate a project's impact on air quality through project design elements or by payment of applicable off-site mitigation fees. Any applicant subject to District Rule 9510 is required to submit an Air Impact Assessment (AIA) application to the District no later than applying for final discretionary approval, and to pay any applicable off-site mitigation fees before issuance of the first building permit. If approval of the subject project constitutes the last discretionary approval by your agency, the District recommends that demonstration of compliance with District Rule 9510, including payment of all applicable fees before issuance of the first building permit, be made a condition of project approval. Information about how to comply with District Rule 9510 can be found online at: <http://www.valleyair.org/ISR/ISRHome.htm>.

- 8) The proposed project may be subject to District Rules and Regulations, including: Regulation VIII, (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). In the event an existing building will be renovated, partially demolished or removed, the project may be subject to District Rule 4002 (National Emission Standards for Hazardous Air Pollutants). The above list of rules is neither exhaustive nor exclusive. To identify other District rules or regulations that apply to this project or to obtain information about District permit requirements, the applicant is strongly encouraged to contact the District's Small Business Assistance Office at (559) 230-5888. Current District rules can be found online at: [www.valleyair.org/rules/1ruleslist.htm](http://www.valleyair.org/rules/1ruleslist.htm).

9) The District recommends that a copy of the District's comments be provided to the project proponent.

If you have any questions or require further information, please call Mark Montelongo at (559) 230-5905.

Sincerely,

David Warner  
Director of Permit Services

*Mark Montelongo*

*for:* Arnaud Marjollet  
Permit Services Manager

DW: mm

cc: File



## S J C O G , I n c .

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0600 • FAX (209) 235-0438

San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (SJMSCP)

### SJMSCP RESPONSE TO LOCAL JURISDICTION (RTLJ) ADVISORY AGENCY NOTICE TO SJCOG, Inc.

RECEIVED

JUL 26 2010

CITY OF TRACY  
D.E.S.

**To:** Alan Bell, Senior Planner, City of Tracy Development and Engineering services Department

**From:** Anne-Marie Poggio, Regional Habitat Planner, SJCOG, Inc.

**Date:** July 22, 2010 **Local Jurisdiction Project Title:** Filios/Dobler Development Project

**Assessor Parcel Number(s):** 209-270-10, -11, -26, -30, -31

**Total Acres to be converted from Open Space Use:** 43 acres

**Habitat Types to be Disturbed:** Agriculture Habitat Land

**Species Impact Findings:** Findings to be determined by SJMSCP biologist.

Dear Mr. Alan Bell:

SJCOG, Inc. has reviewed application for the Filios/Dobler Development Project. This project proposes a build out scenario that assumes a maximum of 538,000 square feet of commercial/office uses to be build on a 43 acre site. The project is bounded by Grant Line Road to the north, Union Pacific RR lines and Byron Road to the southwest, and the Tracy Marketplace Shopping Center to the east.

The City of Tracy is a signatory to San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). Participation in the SJMSCP satisfies requirements of both the state and federal endangered species acts, and ensures that the impacts are mitigated below a level of significance in compliance with the California Environmental Quality Act (CEQA). The LOCAL JURISDICTION retains responsibility for ensuring that the appropriate Incidental Take Minimization Measure are properly implemented and monitored and that appropriate fees are paid in compliance with the SJMSCP. Although participation in the SJMSCP is voluntary, Local Jurisdiction/Lead Agencies should be aware that if project applicants choose against participating in the SJMSCP, they will be required to provide alternative mitigation in an amount and kind equal to that provided in the SJMSCP.

***This Project is subject to the SJMSCP.*** This can be up to a 45 day process and it is recommended that the project applicant contact SJMSCP staff as early as possible. It is also recommended that the project applicant obtain an information package. <http://www.sjco.org>

Please contact SJMSCP staff regarding completing the following steps to satisfy SJMSCP requirements:

- Schedule a SJMSCP Biologist to perform a pre-construction survey **prior to any ground disturbance**
- Sign and Return Incidental Take Minimization Measures to SJMSCP staff (given to project applicant after pre-construction survey is completed)
- Pay appropriate fee based on SJMSCP findings. **Fees shall be paid in the amount in effect at the time of issuance of Building Permit**
- Receive your Certificate of Payment and release the required permit

*It should be noted that if this project has any potential impacts to waters of the United States [pursuant to Section 404 Clean Water Act], it would require the project to seek voluntary coverage through the unmapped process under the SJMSCP which could take up to 90 days. It may be prudent to obtain a preliminary wetlands map from a qualified consultant. If waters of the United States are confirmed on the project site, the Corps and the Regional Water Quality Control Board (RWQCB) would have regulatory authority over those mapped areas [pursuant to Section 404 and 401 of the Clean Water Act respectively] and permits would be required from each of these resource agencies prior to grading the project site.*

If you have any questions, please call (209) 235-0600.



# S J C O G , I n c .

*San Joaquin County Multi-Species Habitat Conservation & Open Space Plan*

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0600 • FAX (209) 235-0438

## **SJMSCP HOLD**

**TO:** Local Jurisdiction: Community Development Department, Planning Department, Building Department, Engineering Department, Survey Department, Transportation Department,  
Other:

**FROM:** Anne-Marie Poggio, Regional Habitat Planner, SJCOG, Inc.

**DO NOT AUTHORIZE SITE DISTURBANCE  
DO NOT ISSUE A BUILDING PERMIT  
DO NOT ISSUE \_\_\_\_\_ FOR THIS PROJECT**

The landowner/developer for this site has requested coverage pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). In accordance with that agreement, the Applicant has agreed to:

- 1) Implement Incidental Take Minimization Measures (ITMMs) PRIOR to site disturbance. Do not authorize site disturbance **until receipt of a signed Agreement to Incidental Take Minimization Measures (ITMMs) AND verification that all applicable ITMMs have been implemented.**
- 2) Pay SJMSCP fees. **Fees shall be paid in the amount in effect at the time of issuance of Building Permit (see also Appendix).** Do not issue a Use Permit **until receipt of a Certificate of Payment or Verification of Payment to the Local Jurisdiction (e.g., Receipt) AND verification that all applicable ITMMs have been implemented prior to ground disturbance.**

Project Title: Filios/Dobler Development Project

Landowner: \_\_\_\_\_

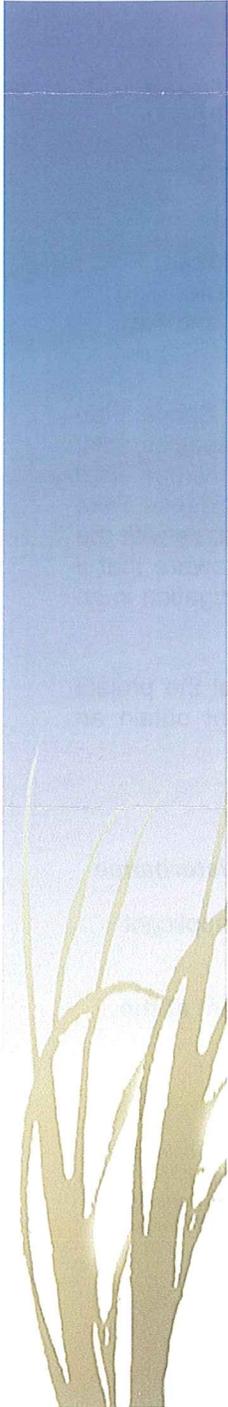
Applicant: \_\_\_\_\_

Assessor Parcel #: 209-270-10, -11, -26, -30, -31

T \_\_\_\_\_, R \_\_\_\_\_, Section(s): \_\_\_\_\_

Local Jurisdiction Contact: Alan Bell

**The LOCAL JURISDICTION retains responsibility for ensuring that the appropriate Incidental Take Minimization Measures are properly implemented and monitored and that appropriate fees are paid in compliance with the SJMSCP.**





SAN JOAQUIN COUNCIL OF GOVERNMENTS

555 E. Weber Avenue • Stockton, California 95202

209.235.0600 • 209.235.0438 (fax)

[www.sjcog.org](http://www.sjcog.org)

August 17, 2010

*Ann Johnston*  
CHAIR

*Chuck Winn*  
VICE CHAIR

*Andrew T. Chesley*  
EXECUTIVE DIRECTOR

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LODI,  
MANTECA,  
RIPON,  
STOCKTON,  
TRACY,  
AND  
THE COUNTY OF  
SAN JOAQUIN

Ms. Victoria Lombardo  
Development and Engineering Services Dept.  
City of Tracy  
333 Civic Center Plaza, Tracy CA 95376

**Re: CMA Review - City of Tracy Notice of Preparation (NOP)  
FILLIOS/DOBLER ANNEXATION AND DEVELOPMENT PROJECT**

Dear Ms. Lombardo:

Thank you for the opportunity to comment on the NOP for the Fillios/Dobler commercial development project. As the County's designated Regional Transportation Planning Agency (RTPA), the Congestion Management Agency (CMA), and the Metropolitan Planning Organization (MPO), the San Joaquin Council of Governments (SJCOCG) has reviewed the above-referenced document with respect to transportation and circulation impacts pursuant to the California Environmental Quality Act (CEQA).

Establishing and maintaining a Regional Congestion Management Program (RCMP) is required by State Govt. Code, Section 65088 – 65089.10 and the County's Measure K Renewal Ordinance. The purpose of the RCMP is to monitor the cumulative transportation impacts of growth of the regional roadway system (the Network), establish a level of service standard, identify deficient regional roadways and develop plans to mitigate the deficiencies, and facilitate travel demand management and operational preservation strategies for existing and planned development. The attached exhibit shows the roadways within the project area that are currently monitored as part of the adopted Network.

One of the major implementation actions of the RCMP is to establish and monitor Level of Service (LOS) conditions on the Network and to assess where any deficiencies exist. A roadway segment is considered deficient if operating at a LOS of "E" or "F" (as calculated per the RCMP's adopted methodology). Once a roadway segment is identified as deficient, the agency where the majority of a segment physically lies will have twelve

months to prepare a Deficiency Plan. Government Code Section 65089.4 details the required analysis and components of a Deficiency Plan.

A second major implementation action of the CMP is the CMA's requirement to analyze and comment on future land uses (threshold criteria are projects that may generate 125 or greater peak hour trips) that may impact roadways located within the RCMP network. The *Land Use Analysis Process* was adopted as part of the 2007 Regional Congestion Management Plan and is also a requirement of state CMP statute and the Measure K Renewal Ordinance.

The significance thresholds within the 2010 CEQA Guidelines, Appendix G, with a direct relation to CMA, MPO, and RTPA authority are:

#### XVI. TRANSPORTATION/TRAFFIC – Would the project:

- a) *Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?*
- b) *Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?*

The land uses proposed with this project will generate 125 or more peak hour trips. SJCOG, in implementing the RCMP, requires that the potential impacts to roadways be analyzed within the project's Traffic Impact Analysis (TIA) and the findings summarized within the DEIR. The DEIR should contain a section that specifically addresses requirements and standards of the Regional Congestion Management Program. If the project trips result in a degradation of LOS conditions, the identification and implementation of mitigation measures to resolve or mitigate the identified impact(s), including an estimate of the costs associated with the mitigation is required per state CMP statute.

In determining a significant impact (roadway deficiency), state CMP statute mandates that the following trips are excluded from the volumes used in determining the impact:

- 1) Interregional travel (trips that originate outside the county's boundary);
- 2) Traffic generated by the provision of low-income and very low income housing;
- 3) Traffic generated by high-density residential development located within one-fourth mile of a fixed rail passenger station; and,
- 4) Traffic generated by any mixed use development located within one-fourth mile of a fixed rail passenger station, if more than half of the land area, or floor area, of the mixed

use development is used for high density residential housing, as determined by the agency.

If after the trip exemptions are applied, the analysis shows that the project will have significant impacts to the Network, the EIR will need to fully disclose, mitigate to the extent possible, and make Overriding Considerations, if necessary. Of important note is that in the event that the impact is significant and unmitigable and Overriding Considerations are adopted does not exempt the requirements of preparing a Deficiency Plan (DP). As these are deficiencies that are "planned", the best way to justify them is to have a pro-active DP as part of the mitigation measures. State Statute allows for two types of deficiency plans, one being a Direct-fix DP and the other a System-wide DP. If the roadway cannot, or if the jurisdiction deems it impractical, to directly fix the deficient road to meet the CMP LOS Standard, then a System-wide Plan would be appropriate. A System-wide deficiency plan is a mitigation plan for the allowance of a roadway to become deficient or remain deficient by promoting alternative improvements that will measurably improve multi-modal performance, and contribute to significant improvements in air quality (as detailed in Govt. Code 65089.4).

If a proactive plan is not prepared as part of this project’s mitigation, the jurisdiction in which the deficient segment lies will have full responsibility to take the lead in preparing either a Direct-fix or System-wide DP. This will be required when the CMA, as part of its biennial update, determines that the roadway does not meet the LOS standard. As a reminder, the trip exemptions listed above will be deducted from the volumes as part of the analysis. Once a roadway segment is identified as deficient, the agency where the majority of a segment physically lies will have twelve months to prepare a DP. Government Code Section 65089.4 details the required analysis and components of a DP.

It should also be noted that certain roadways were allowed to be “grandfathered” at their existing LOS at the time of program inception in the early 1990s. Within your project area, the following segments fall into this category:

Roadway	From	To	Jurisdiction	G.F. LOS
205	MacArthur Dr.	I-5	County_Tracy	E
205	Alameda Co. Line	Tracy Blvd.	County_Tracy	F

Travel Demand Management

Travel demand management is an integral part of San Joaquin’s congestion management program. Not only is this a mandated component of the state’s CMP legislation (Section 65089(5)), it is also required by the voter approved Measure K Referendum. Additionally, the federal Congestion Management Process (mandated through SAFETEA-LU) stipulates that

federal funds will not be advanced for any capacity increasing projects unless travel demand reduction and operational strategies have been implemented, to the extent possible, on the roadway.

Although roadway segments operating at LOS “D” are not considered deficient, this standard does trigger a requirement. Roadway segments operating at LOS “D” are subject to the preparation of a plan that analyzes specific strategies for operational preservation and transportation demand management. These strategies include ensuring that new development projects provide provisions that will promote alternative travel. SJCOG is currently preparing a Regional Travel Demand Management Action Plan that will provide further guidance to the local jurisdictions, as well as land developers. This Plan is anticipated to be approved late-summer 2010.

SJCOG requests that the Fillios/Dobler project EIR look at options that will provide support for travel by bicyclists, pedestrians, transit passengers, and carpools. These provisions can include on-site construction, roadway design, off-street parking areas, designation of park-and-ride spaces within the business park, and participation in San Joaquin COG’s Commute Connection ([www.commuteconnection.com](http://www.commuteconnection.com)).

Commute Connection is the regional rideshare program operated by the San Joaquin Council of Governments whose mission is to reduce traffic congestion and improve air quality. The program is designed to help commuters make the transition from driving alone to a convenient ridesharing option such as carpooling, vanpooling, bicycling/walking or riding transit. The program serves San Joaquin County and through a special agreement with the Stanislaus Council of Governments, also serves Stanislaus County. The program includes free services such as commuter ride-matching, Guaranteed Ride Home and Employer Services.

Coordination with Commute Connection services/programs is required for the following development types:

- All business or industrial parks
- All event centers or stadiums
- Schools with greater than 150 students
- All commercial, industrial, and retail offices with greater than 50 full-time equivalent employees

Therefore, as a means of mitigating any potential significant effect regarding a conflict with adopted policies, plans, or programs supporting alternative transportation SJCOG requests that measures be added that will ensure that future development per the approved Plan will include

provisions for alternative travel, as discussed above, and that the land uses listed above will coordinate with SJCOG's Commute Connection Program.

Surface Transportation Assistance Act (STAA) terminal access routes

The proposed project may include non-residential development that depends on large trucks for the movement of goods. If these operations will depend on STAA rated trucks to serve their needs, the roadways supporting these non-residential operations must be designed and built to safely accommodate the larger STAA rated trucks.

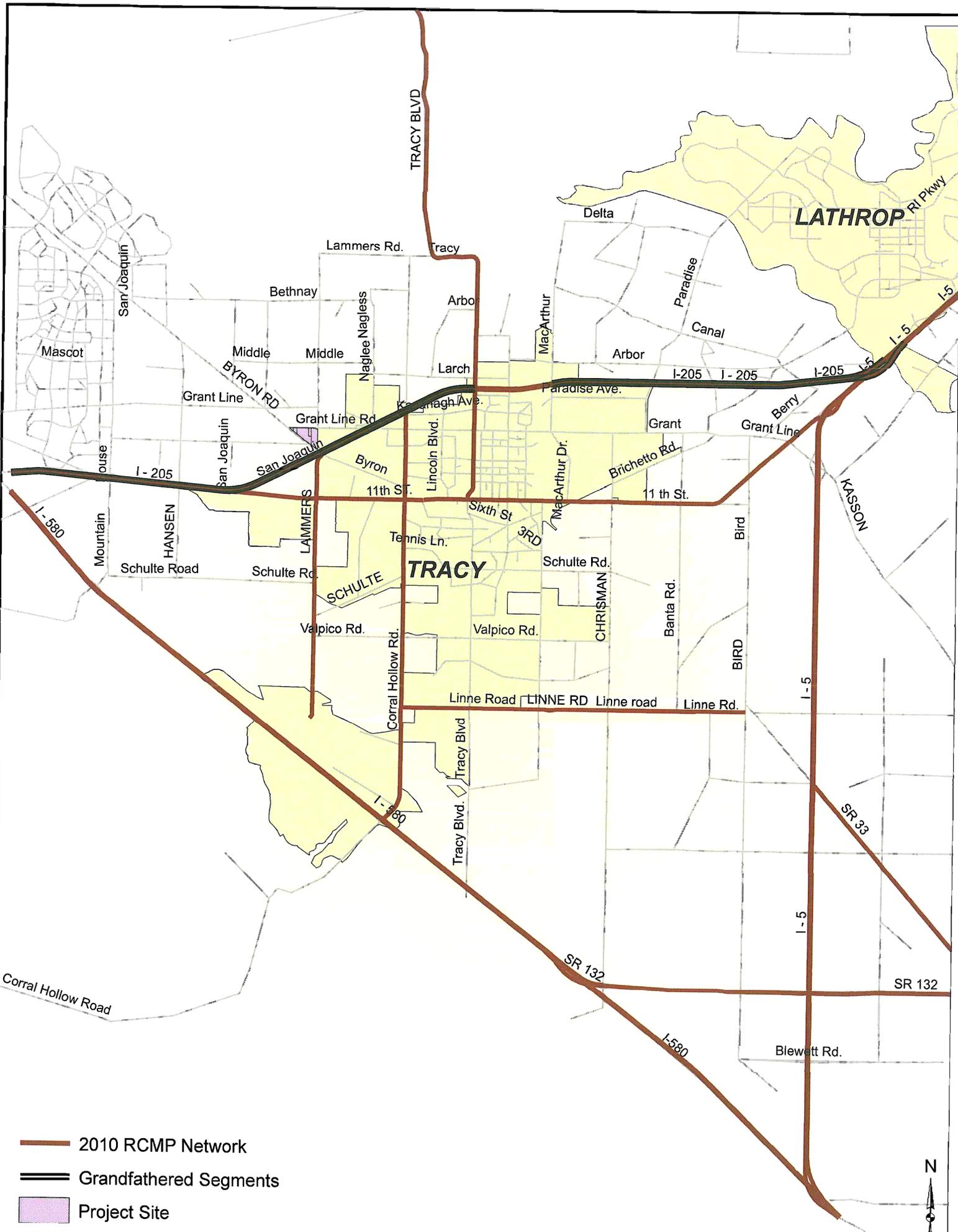
Thank you for the opportunity to review and comment on this project. If you have any questions please call the RCMP's lead planner, Laura Brunn, at (209) 235-0579. We would be pleased to meet with the city and provide any necessary information and guidance relative to these comments and the Regional Congestion Management Program, if that would be helpful.

Sincerely,



LAURA BRUNN  
SJCOG Associate Regional Planner

Cc: Dana Cowell, SJCOG Deputy Director  
Mike Swearingen, SJCOG Senior Regional Planner



- 2010 RCMP Network
- Grandfathered Segments
- Project Site





Lee Higgins, PG  
Environmental Project  
Manager

**Chevron Environmental  
Management Company**  
6111 Bollinger Canyon Road  
BR1Y/3484  
San Ramon, CA 94583  
Tel (925) 543-2365  
Fax (925) 543-2323  
leehiggins@chevron.com

August 13, 2010

Stakeholder Correspondence–City of Tracy

Mr. Alan Bell  
City of Tracy  
333 Civic Center Plaza  
Tracy, California 95376

*Subject:* **Comments for the Filios/Dobler Annexation and Development Project**  
Chevron Environmental Management Company  
Historical Pipeline Portfolio–Bakersfield to Richmond

Dear Mr. Bell:

Chevron Environmental Management Company (CEMC) recently became aware of the proposed City of Tracy General Plan Amendment for the Filios/Dobler Annexation and Development Project. The purpose of this letter is to notify the City of Tracy and stakeholders as to the location of formerly active crude-oil pipelines in the proposed annexation area (Figure 1), and to provide background information about the former pipelines. The intent is that information regarding the location and construction of these pipelines will be incorporated into future project engineering and environmental plans.

Portions of former Old Valley Pipeline (OVP) and Tidewater Associated Oil Company (TAOC) pipelines existed in the vicinity of the proposed annexation area. The historic pipelines were constructed in the early 1900s and carried crude oil from the southern San Joaquin Valley to the Bay Area. Operations for the OVP ceased in the 1940s, and in the 1970s for the TAOC pipelines.

The pipelines were originally installed at depths ranging from 18 inches to 10 feet below ground surface. The steel pipelines were typically encased in a protective coating composed of coal tar and asbestos-containing felt material (ACM). When pipeline operations ceased, the pipelines were taken out of commission. The degree and method of decommission varied; in some instances the pipelines were removed, while in others they remain in place.

Evidence of historic releases associated with the former OVP and TAOC pipelines is sometimes identified during the course of underground utility work and other subsurface construction activities near the former pipeline rights of ways (ROWs). Residual weathered crude oil associated with former OVP and TAOC pipeline operations can usually be observed visually; however, analytical testing is necessary to confirm the identity of the affected material. Analytical results from risk assessments performed by CEMC at numerous historical pipeline release sites confirm that soil affected by the historic release of crude oil from the pipelines is non-hazardous, and does not pose significant risks to human health.

Figure 1 illustrates the location of the former OVP and TAOC ROWs with respect to the proposed annexation area.

Mr. Alan Bell – City of Tracy

August 13, 2010

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The proposed annexation area coincides with or is in proximity to several former CEMC sites where releases related to the former OVP and TAOC pipelines have been documented. Please visit the California State Water Resources Control Board Geotracker website at <http://geotracker.swrcb.ca.gov/> for more information regarding the following sites:

- Filios-Mansfield (site ID # SL186202978)
- Dividend Property (site ID # SL205343005)
- Tracy Byron Road (site ID #SL0607749525)

For more information regarding the Dobler Investigation Area, please contact the San Joaquin County Environmental Health Department at (209) 468-3420.

CEMC recommends that the City of Tracy and project development proponents be prepared to potentially address residual weathered crude oil, pipelines, and ACM from the former OVP and/or TAOC pipelines during subsurface construction activities. This potentiality is easily managed with some advanced planning. CEMC would appreciate being informed of progress regarding the proposed annexation; any encountered petroleum, pipelines, and pipeline-related ACM; and any other planned construction and land development projects in the vicinity of the former OVP and TAOC ROWs.

For more information regarding these historic pipelines, please visit <http://www.hppinfo.com/>. If you have any questions, require additional information, or would like to request more detailed maps, please contact SAIC-Benham consultant Tom Burns ([thomas.a.burns@saic.com](mailto:thomas.a.burns@saic.com)) at (916) 979-3748.

Sincerely,



Lee Higgins

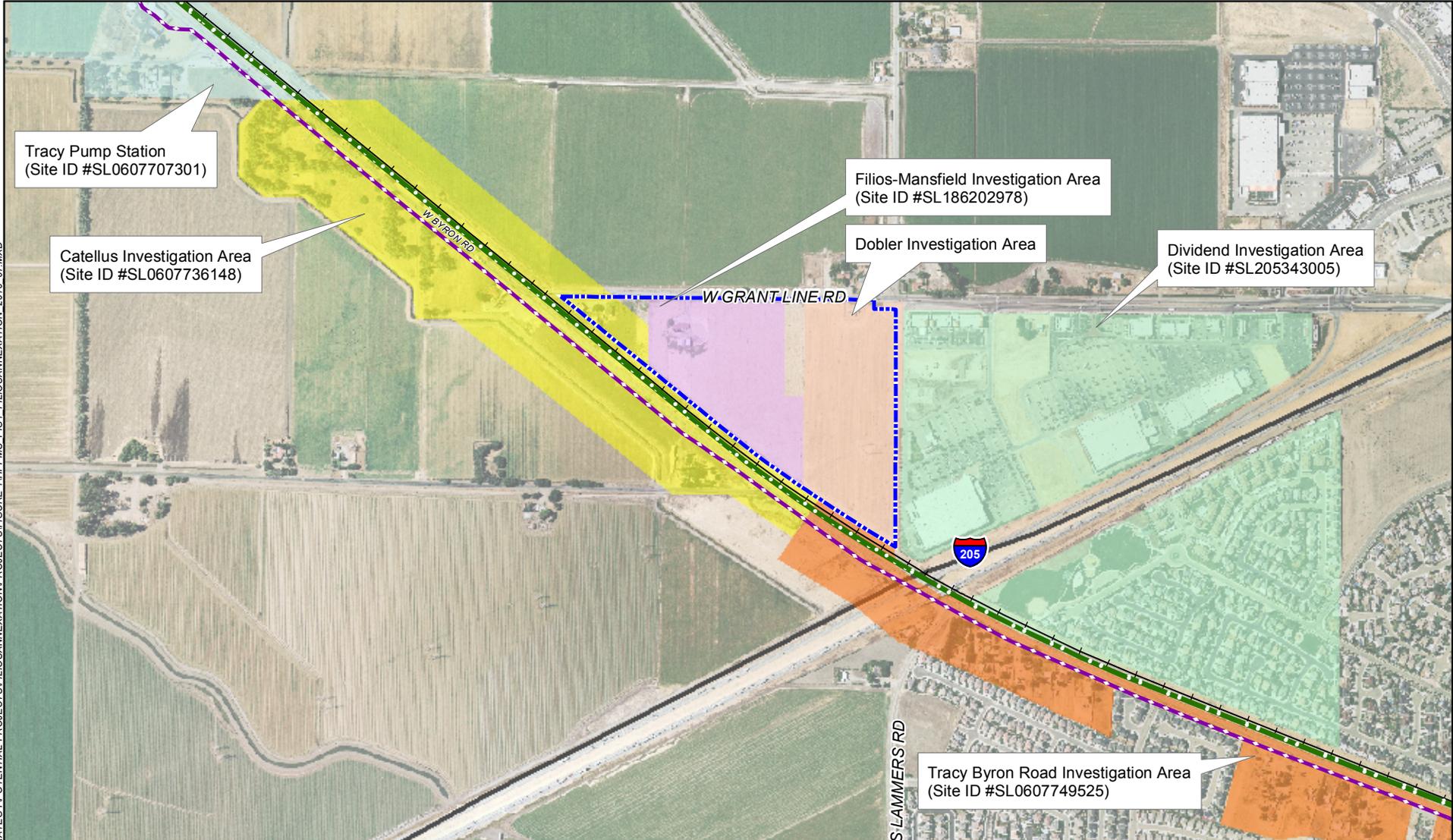
LPH/klg

Enclosures:

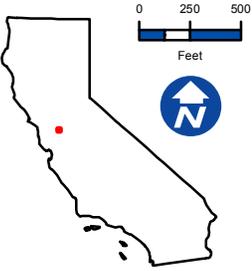
Figure 1. Historical Pipeline Rights of Ways – Filios/Dobler Annexation

cc: Mr. Tom Burns – SAIC-Benham  
3800 Watt Avenue, Suite 210, Sacramento, California 95821  
Mr. Mike Jenkins – SAIC-Benham (letter only)  
3800 Watt Avenue, Suite 210, Sacramento, California 95821

FILE: \\SAGG\GIS\CAD\HPP\BTR\MANAGEMENT\STRATEGY\POTENTIAL PROJECTS\FILIOS\ANNEXATION\PROJECTS\FIGURE 1\HPPMS\_FIG1\_FILIOS\ANNEXATION\_2010\_07.MXD



Map is a relative representation of current and historical data and should be verified for exact legal or underground work.



CALIFORNIA LOCATION MAP

-  Proposed Annexation Area
-  Historical Old Valley Pipeline (OVP)
-  Historical Tidewater Associated Oil Company (TAOC) Pipeline
-  Railroad

**HISTORICAL PIPELINE RIGHTS OF WAYS**

**FILIOS/DOBLER ANNEXATION  
Tracy, California**

DATE: 8/6/2010

ANALYST: HOANGTA

FIGURE:



**The Benham Companies, LLC**  
A Wholly Owned Subsidiary

***Appendix B***

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Air Quality and Greenhouse Gas Emissions Data

**Parenthetical URBEMIS2007 Assumptions  
For: Filios/Dobler Annexation Project  
Date: February 2011**

**LAND USES**

Amount	Land Use Type	Trip Rate	Unit Type
106.7	General Office	10.71	Thousand Square Feet
359.3	Shopping Center	41.29	Thousand Square Feet

\*Note: Trip generation rates and categories were adjusted to be consistent with the daily trips in Traffic Analysis.

**AREAS SOURCES**

**Natural Gas Fuel Combustion:**

(URBEMIS2007 default all phases)

**Wood Stoves Fuel Combustion:**

Off

**Fireplaces:**

Default

**Landscape Maintenance Equipment:**

Year of Completion	Summer Days
2015	180

**Consumer Products:**

(URBEMIS2007 default all phases)

**Area Source Mitigation:**

Refer to URBEMIS2007 file output.

**OPERATIONAL SOURCES**

**Vehicle Fleet %:**

(URBEMIS2007 default all phases)

**Year:**

Year of Completion – 2015

**Trip Characteristics:**

(URBEMIS2007 Default all phases)

**Temperature Data:**

40 to 90 degrees Fahrenheit

**Variable Starts:**

(URBEMIS2007 default all phases)

**Road Dust:**

Paved – 100%

Unpaved – 0%

**Pass By Trips (On/Off):**

Off

**Double-Counting(On/Off):**

Off

**Operational Mitigation Measures:**

Refer to URBEMIS 2007 file output.

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: H:\COMMON\AQ-Noise References\Air Quality\Modeling\Urbemis\Projects\Filios Dobler.urb924

Project Name: Filios Dobler

Project Location: San Joaquin County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	0.58	0.76	0.92	0.00	0.00	0.00	916.93

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	19.62	35.09	241.82	0.21	18.86	4.33	21,447.57

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	20.20	35.85	242.74	0.21	18.86	4.33	22,364.50

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.76	0.64	0.00	0.00	0.00	916.42
Hearth							
Landscape	0.02	0.00	0.28	0.00	0.00	0.00	0.51
Consumer Products	0.00						
Architectural Coatings	0.50						
TOTALS (tons/year, unmitigated)	0.58	0.76	0.92	0.00	0.00	0.00	916.93

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Strip mall	18.01	32.37	222.66	0.19	17.39	3.99	19,768.59
General office building	1.61	2.72	19.16	0.02	1.47	0.34	1,678.98
TOTALS (tons/year, unmitigated)	19.62	35.09	241.82	0.21	18.86	4.33	21,447.57

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2012 Season: Annual

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Strip mall		41.29	1000 sq ft	359.30	14,835.50	109,678.83
General office building		10.71	1000 sq ft	106.70	1,142.76	9,259.19
					15,978.26	118,938.02

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	45.5	0.9	98.9	0.2
Light Truck < 3750 lbs	11.5	1.7	92.2	6.1
Light Truck 3751-5750 lbs	21.1	0.9	98.6	0.5
Med Truck 5751-8500 lbs	11.4	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0.0	76.2	23.8
Lite-Heavy Truck 10,001-14,000 lbs	0.7	0.0	42.9	57.1
Med-Heavy Truck 14,001-33,000 lbs	1.1	0.0	18.2	81.8
Heavy-Heavy Truck 33,001-60,000 lbs	1.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	0.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.8	60.5	39.5	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Strip mall				2.0	1.0	97.0
General office building				35.0	17.5	47.5

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: H:\COMMON\AQ-Noise References\Air Quality\Modeling\Urbemis\Projects\Filios Dobler.urb924

Project Name: Filios Dobler

Project Location: San Joaquin County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	3.28	4.22	6.61	0.00	0.02	0.02	5,027.10

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	100.19	168.80	1,278.03	1.20	103.36	23.74	122,698.32

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	103.47	173.02	1,284.64	1.20	103.38	23.76	127,725.42

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.30	4.18	3.52	0.00	0.01	0.01	5,021.48
Hearth							
Landscape	0.25	0.04	3.09	0.00	0.01	0.01	5.62
Consumer Products	0.00						
Architectural Coatings	2.73						
TOTALS (lbs/day, unmitigated)	3.28	4.22	6.61	0.00	0.02	0.02	5,027.10

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Strip mall	91.62	155.70	1,175.91	1.11	95.31	21.89	113,095.38
General office building	8.57	13.10	102.12	0.09	8.05	1.85	9,602.94
TOTALS (lbs/day, unmitigated)	100.19	168.80	1,278.03	1.20	103.36	23.74	122,698.32

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2012 Temperature (F): 85 Season: Summer

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Strip mall		41.29	1000 sq ft	359.30	14,835.50	109,678.83
General office building		10.71	1000 sq ft	106.70	1,142.76	9,259.19
					15,978.26	118,938.02

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	45.5	0.9	98.9	0.2
Light Truck < 3750 lbs	11.5	1.7	92.2	6.1
Light Truck 3751-5750 lbs	21.1	0.9	98.6	0.5
Med Truck 5751-8500 lbs	11.4	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0.0	76.2	23.8
Lite-Heavy Truck 10,001-14,000 lbs	0.7	0.0	42.9	57.1
Med-Heavy Truck 14,001-33,000 lbs	1.1	0.0	18.2	81.8
Heavy-Heavy Truck 33,001-60,000 lbs	1.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	0.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.8	60.5	39.5	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Strip mall				2.0	1.0	97.0
General office building				35.0	17.5	47.5

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: H:\COMMON\AQ-Noise References\Air Quality\Modeling\Urbemis\Projects\Filios Dobler.urb924

Project Name: Filios Dobler

Project Location: San Joaquin County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	3.03	4.18	3.52	0.00	0.01	0.01	5,021.48

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	122.19	239.27	1,419.08	1.06	103.36	23.74	107,166.19

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	125.22	243.45	1,422.60	1.06	103.37	23.75	112,187.67

2/11/2011 9:15:34 AM

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.30	4.18	3.52	0.00	0.01	0.01	5,021.48
Hearth							
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	2.73						
TOTALS (lbs/day, unmitigated)	3.03	4.18	3.52	0.00	0.01	0.01	5,021.48

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Strip mall	112.78	220.68	1,308.29	0.98	95.31	21.89	98,772.41
General office building	9.41	18.59	110.79	0.08	8.05	1.85	8,393.78
TOTALS (lbs/day, unmitigated)	122.19	239.27	1,419.08	1.06	103.36	23.74	107,166.19

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2012 Temperature (F): 40 Season: Winter

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Strip mall		41.29	1000 sq ft	359.30	14,835.50	109,678.83
General office building		10.71	1000 sq ft	106.70	1,142.76	9,259.19
					15,978.26	118,938.02

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	45.5	0.9	98.9	0.2
Light Truck < 3750 lbs	11.5	1.7	92.2	6.1
Light Truck 3751-5750 lbs	21.1	0.9	98.6	0.5
Med Truck 5751-8500 lbs	11.4	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0.0	76.2	23.8
Lite-Heavy Truck 10,001-14,000 lbs	0.7	0.0	42.9	57.1
Med-Heavy Truck 14,001-33,000 lbs	1.1	0.0	18.2	81.8
Heavy-Heavy Truck 33,001-60,000 lbs	1.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	0.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.8	60.5	39.5	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	1.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Strip mall				2.0	1.0	97.0
General office building				35.0	17.5	47.5



filios.rts

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.009	0.011	0.016	0.032	0.024	0.003	0.013
35	0.003	0.004	0.005	0.016	0.020	0.002	0.005

0% Pollutant Name: PM2.5 Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.055	0.109	0.119	0.148	0.693	0.023	0.091
35	0.009	0.018	0.020	0.075	0.169	0.011	0.020

0% Pollutant Name: PM2.5 - Tire Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.002	0.007	0.002	0.001	0.003
35	0.002	0.002	0.002	0.007	0.002	0.001	0.003

0% Pollutant Name: PM2.5 - Break Wear Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.005	0.005	0.005	0.010	0.005	0.003	0.006
35	0.005	0.005	0.005	0.010	0.005	0.003	0.006

0% Pollutant Name: Gasoline - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	9.372	7.427	5.136	3.490	3.237	28.033	8.222
35	28.775	22.798	16.924	17.637	16.407	52.634	25.115

0% Pollutant Name: Diesel - mi/gal Temperature: 70F Relative Humidity:

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	29.156	29.156	19.455	3.418	4.052	0.000	4.796
35	29.156	29.156	19.455	5.746	4.052	0.000	6.893



	f i l i o s . r t s						
180	1. 370	2. 308	6. 805	9. 511	36. 965	12. 071	3. 493
240	1. 483	2. 499	7. 390	9. 791	38. 049	13. 089	3. 753
300	1. 583	2. 667	7. 906	10. 078	39. 168	14. 030	3. 985
360	1. 671	2. 814	8. 353	10. 375	40. 322	14. 893	4. 190
420	1. 745	2. 939	8. 731	10. 681	41. 510	15. 680	4. 369
480	1. 806	3. 042	9. 040	10. 996	42. 733	16. 389	4. 520
540	1. 854	3. 123	9. 279	11. 319	43. 991	17. 021	4. 644
600	1. 889	3. 182	9. 450	11. 652	45. 283	17. 576	4. 742
660	1. 911	3. 220	9. 551	11. 993	46. 610	18. 053	4. 812
720	1. 920	3. 235	9. 584	12. 344	47. 971	18. 454	4. 856

ALL Pollutant Name: Oxi des of Ni trogen Temperature: 70F Rel ati ve Humi di ty:

Time mi n	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0. 040	0. 086	0. 594	0. 189	1. 210	0. 154	0. 185
10	0. 043	0. 092	0. 624	0. 284	1. 823	0. 194	0. 201
20	0. 048	0. 102	0. 679	0. 452	2. 899	0. 263	0. 231
30	0. 053	0. 111	0. 726	0. 589	3. 776	0. 321	0. 255
40	0. 057	0. 118	0. 766	0. 695	4. 454	0. 367	0. 275
50	0. 059	0. 124	0. 799	0. 769	4. 932	0. 400	0. 291
60	0. 062	0. 128	0. 824	0. 813	5. 212	0. 421	0. 302
120	0. 066	0. 139	0. 898	0. 819	5. 249	0. 424	0. 323
180	0. 067	0. 139	0. 899	0. 816	5. 230	0. 420	0. 323
240	0. 066	0. 138	0. 892	0. 811	5. 201	0. 413	0. 321
300	0. 065	0. 136	0. 880	0. 805	5. 161	0. 405	0. 317
360	0. 064	0. 134	0. 865	0. 797	5. 111	0. 395	0. 312
420	0. 063	0. 131	0. 844	0. 788	5. 051	0. 384	0. 305
480	0. 061	0. 127	0. 820	0. 777	4. 981	0. 371	0. 297
540	0. 059	0. 123	0. 791	0. 764	4. 901	0. 356	0. 288
600	0. 057	0. 118	0. 757	0. 750	4. 810	0. 339	0. 277
660	0. 054	0. 113	0. 719	0. 734	4. 709	0. 320	0. 265
720	0. 051	0. 107	0. 677	0. 717	4. 598	0. 300	0. 251

ALL Pollutant Name: Carbon Di oxi de Temperature: 70F Rel ati ve Humi di ty:

Time mi n	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	12. 222	15. 330	21. 765	2. 533	1. 898	13. 231	14. 550
10	13. 716	17. 228	24. 574	5. 052	3. 786	15. 427	16. 523
20	17. 204	21. 652	31. 075	10. 048	7. 531	19. 738	21. 045
30	21. 361	26. 912	38. 752	14. 988	11. 233	23. 942	26. 337
40	26. 186	33. 007	47. 605	19. 872	14. 894	28. 039	32. 399
50	31. 678	39. 937	57. 635	24. 700	18. 512	32. 030	39. 230
60	37. 839	47. 704	68. 842	29. 472	22. 088	35. 913	46. 830
120	88. 215	111. 005	159. 241	50. 127	37. 569	53. 352	107. 259
180	100. 127	126. 020	180. 900	59. 222	44. 385	57. 596	121. 907
240	112. 021	141. 007	202. 492	67. 779	50. 798	61. 592	136. 486
300	123. 897	155. 965	224. 016	75. 800	56. 809	65. 338	150. 996
360	135. 755	170. 896	245. 472	83. 284	62. 419	68. 835	165. 437
420	147. 596	185. 798	266. 861	90. 231	67. 625	72. 083	179. 809
480	159. 418	200. 671	288. 182	96. 642	72. 430	75. 081	194. 111
540	171. 223	215. 517	309. 435	102. 516	76. 832	77. 831	208. 345
600	183. 010	230. 334	330. 621	107. 853	80. 832	80. 331	222. 510
660	194. 780	245. 122	351. 739	112. 653	84. 429	82. 583	236. 605

720 206.531 259.883 372.790 116.916 87.625 84.585 250.631

ALL Pollutant Name: Sul fur Di oxi de Temperature: 70F Rel ati ve Humi di ty:

Time mi n	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.001	0.000	0.001	0.000	0.000
50	0.000	0.000	0.001	0.000	0.001	0.000	0.000
60	0.000	0.000	0.001	0.000	0.001	0.001	0.000
120	0.001	0.001	0.002	0.001	0.001	0.001	0.001
180	0.001	0.001	0.002	0.001	0.001	0.001	0.001
240	0.001	0.001	0.002	0.001	0.001	0.001	0.001
300	0.001	0.002	0.002	0.001	0.001	0.001	0.002
360	0.001	0.002	0.003	0.001	0.001	0.001	0.002
420	0.001	0.002	0.003	0.001	0.001	0.001	0.002
480	0.002	0.002	0.003	0.001	0.001	0.001	0.002
540	0.002	0.002	0.003	0.001	0.001	0.001	0.002
600	0.002	0.002	0.003	0.001	0.002	0.001	0.002
660	0.002	0.002	0.004	0.001	0.002	0.001	0.002
720	0.002	0.003	0.004	0.001	0.002	0.001	0.002

ALL Pollutant Name: PM2.5 Temperature: 70F Rel ati ve Humi di ty:

Time mi n	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.001	0.001	0.000	0.000	0.005	0.001
10	0.001	0.002	0.002	0.001	0.001	0.005	0.002
20	0.002	0.004	0.003	0.001	0.001	0.004	0.003
30	0.003	0.006	0.005	0.002	0.002	0.003	0.004
40	0.004	0.008	0.007	0.002	0.002	0.003	0.006
50	0.005	0.009	0.008	0.003	0.002	0.002	0.007
60	0.006	0.011	0.009	0.003	0.003	0.002	0.008
120	0.009	0.018	0.016	0.004	0.004	0.005	0.013
180	0.011	0.020	0.017	0.004	0.004	0.007	0.014
240	0.011	0.022	0.019	0.004	0.004	0.008	0.016
300	0.012	0.024	0.020	0.005	0.004	0.010	0.017
360	0.013	0.025	0.021	0.005	0.004	0.011	0.018
420	0.014	0.027	0.022	0.005	0.004	0.012	0.019
480	0.014	0.027	0.023	0.005	0.004	0.013	0.019
540	0.015	0.028	0.024	0.005	0.005	0.014	0.020
600	0.015	0.029	0.024	0.005	0.005	0.014	0.020
660	0.015	0.029	0.025	0.005	0.005	0.015	0.020
720	0.015	0.029	0.025	0.006	0.005	0.015	0.020











Corral -11th. Ist

IV. MODEL RESULTS (WORST CASE WIND ANGLE )

RECEPTOR	* * * *	BRG (DEG)	* * * *	PRED CONC (PPM)	* * * *	1	2	3	CONC/LI NK (PPM)					8
1. Recpt 1	*	293.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	131.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	5.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	230.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	9	10	11	CONC/LI NK (PPM)					
1. Recpt 1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	*CONC/LI NK (PPM)			
1. Recpt 1	*	17	18	19	20
2. Recpt 2	*	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.1	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0

1

Run Ended on 2/14/2011 at 16:49:18



Corral -Byron. I st

IV. MODEL RESULTS (WORST CASE WIND ANGLE )

RECEPTOR	* * * *	BRG (DEG)	* * * *	PRED CONC (PPM)	* * * *	1	2	3	CONC/LI NK (PPM)					8
1. Recpt 1	*	299.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
2. Recpt 2	*	127.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
3. Recpt 3	*	3.	*	3.6	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
4. Recpt 4	*	230.	*	3.6	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * * *	9	10	11	CONC/LI NK (PPM)					16
1. Recpt 1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	*CONC/LI NK (PPM)			
1. Recpt 1	*	17	18	19	20
2. Recpt 2	*	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0

1

Run Ended on 2/14/2011 at 16:47:36



													costco-grant.lst		
2.	Recpt	2	*	339.	*	3.7	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
3.	Recpt	3	*	38.	*	3.6	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4.	Recpt	4	*	109.	*	3.6	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

		*CONC/LINK				
		*(PPM)				
RECEPTOR	*	9	10	11		
-----						
1.	Recpt	1	*	0.0	0.0	0.0
2.	Recpt	2	*	0.0	0.0	0.0
3.	Recpt	3	*	0.0	0.0	0.0
4.	Recpt	4	*	0.0	0.0	0.0

1

Run Ended on 2/14/2011 at 16:53:05

1

Lammers-Grant.1st  
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION  
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 2/14/2011 at 16:43:04

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL  
JUNE 1989 VERSION  
PAGE 1

JOB: Lammers-Grant Line Road  
RUN: Hour 1 (WORST CASE ANGLE)  
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S                      ZO= 100. CM                      ALT= 0. (M)  
BRG= WORST CASE              VD= 0.0 CM/S  
CLAS= 6 (F)                      VS= 0.0 CM/S  
MI XH= 1000. M                  AMB= 3.4 PPM  
SIGTH= 20. DEGREES              TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)	*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
	*	X1 Y1 X2 Y2	*					
1. Y SB1	*	684 1256 711 1201	*	AG	1135	1.0	0.0	15.2
2. Y SB2	*	711 1201 745 1133	*	AG	285	2.0	0.0	15.2
3. Y SB3	*	745 1133 800 1025	*	AG	414	1.0	0.0	15.2
4. Y SB4	*	800 1025 858 906	*	AG	414	1.0	0.0	15.2
5. Y NB1	*	868 911 813 1024	*	AG	1501	1.0	0.0	15.2
6. Y NB2	*	814 1024 761 1138	*	AG	1311	2.0	0.0	15.2
7. Y NB3	*	761 1138 728 1205	*	AG	1619	1.0	0.0	15.2
8. Y NB4	*	728 1205 700 1263	*	AG	1619	1.0	0.0	15.2
9. Y LT1	*	720 1198 753 1134	*	AG	850	2.0	0.0	15.2
10. Y LT2	*	753 1134 802 1038	*	AG	190	2.0	0.0	15.2
11. X EB1	*	596 1103 682 1125	*	AG	1682	1.0	0.0	15.2
12. X EB2	*	682 1125 750 1141	*	AG	1374	2.0	0.0	15.2
13. X EB3	*	750 1141 826 1158	*	AG	2224	1.0	0.0	15.2
14. X EB4	*	826 1158 923 1182	*	AG	2224	1.0	0.0	15.2
15. X WB1	*	924 1170 832 1147	*	AG	1744	1.0	0.0	15.2
16. X WB2	*	832 1147 757 1128	*	AG	1615	2.0	0.0	15.2
17. X WB3	*	757 1128 687 1111	*	AG	1805	1.0	0.0	15.2
18. X WB4	*	687 1111 599 1090	*	AG	1805	1.0	0.0	15.2
19. X LT1	*	674 1115 753 1134	*	AG	308	2.0	0.0	15.2
20. X LT2	*	753 1134 841 1157	*	AG	129	2.0	0.0	15.2

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)
	*	X Y Z
1. Recpt 1	*	805 1099 1.8
2. Recpt 2	*	691 1157 1.8
3. Recpt 3	*	729 1093 1.8
4. Recpt 4	*	778 1179 1.8

Lammers-Grant.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE )

RECEPTOR	* * * *	BRG (DEG)	* * * *	PRED CONC (PPM)	* * * *	1	2	3	CONC/LI NK (PPM)					8
1. Recpt 1	*	303.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
2. Recpt 2	*	107.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3. Recpt 3	*	50.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
4. Recpt 4	*	228.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

RECEPTOR	* * * *	9	10	11	CONC/LI NK (PPM)					
1. Recpt 1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. Recpt 2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
3. Recpt 3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. Recpt 4	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	*CONC/LI NK (PPM)			
1. Recpt 1	*	17	18	19	20
2. Recpt 2	*	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0

1

Run Ended on 2/14/2011 at 16:43:04

1

205-Grant.1st  
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION  
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 2/14/2011 at 16:45:32

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL  
JUNE 1989 VERSION  
PAGE 1

JOB: 205-Grant Line Road  
RUN: Hour 1 (WORST CASE ANGLE)  
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S                      ZO= 100. CM                      ALT= 0. (M)  
BRG= WORST CASE              VD= 0.0 CM/S  
CLAS= 6 (F)                      VS= 0.0 CM/S  
MIXH= 1000. M                  AMB= 3.4 PPM  
SIGHTH= 20. DEGREES          TEMP= 15.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)	*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
	*	X1 Y1 X2 Y2	*					
1. Y SB1	*	684 1256 711 1201	*	AG	0	1.0	0.0	33.5
2. Y SB2	*	711 1201 745 1133	*	AG	0	2.0	0.0	33.5
3. Y SB3	*	745 1133 800 1025	*	AG	0	1.0	0.0	33.5
4. Y SB4	*	800 1025 858 906	*	AG	0	1.0	0.0	33.5
5. Y NB1	*	868 911 813 1024	*	AG	880	1.0	0.0	33.5
6. Y NB2	*	814 1024 761 1138	*	AG	470	2.0	0.0	33.5
7. Y NB3	*	761 1138 728 1205	*	AG	1844	1.0	0.0	33.5
8. Y NB4	*	728 1205 700 1263	*	AG	1844	1.0	0.0	33.5
9. Y LT1	*	720 1198 753 1134	*	AG	0	2.0	0.0	33.5
10. Y LT2	*	753 1134 802 1038	*	AG	410	2.0	0.0	33.5
11. X EB1	*	596 1103 682 1125	*	AG	2817	1.0	0.0	36.6
12. X EB2	*	682 1125 750 1141	*	AG	1443	2.0	0.0	36.6
13. X EB3	*	750 1141 826 1158	*	AG	1443	1.0	0.0	36.6
14. X EB4	*	826 1158 923 1182	*	AG	1443	1.0	0.0	36.6
15. X WB1	*	924 1170 832 1147	*	AG	1297	1.0	0.0	36.6
16. X WB2	*	832 1147 757 1128	*	AG	1297	2.0	0.0	36.6
17. X WB3	*	757 1128 687 1111	*	AG	1707	1.0	0.0	36.6
18. X WB4	*	687 1111 599 1090	*	AG	1707	1.0	0.0	36.6
19. X LT1	*	674 1115 753 1134	*	AG	1374	2.0	0.0	36.6
20. X LT2	*	753 1134 841 1157	*	AG	0	2.0	0.0	36.6

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)
	*	X Y Z
1. Recpt 1	*	805 1099 1.8
2. Recpt 2	*	691 1157 1.8
3. Recpt 3	*	729 1093 1.8
4. Recpt 4	*	778 1179 1.8

205-Grant.1st

IV. MODEL RESULTS (WORST CASE WIND ANGLE )

RECEPTOR	* * * *	BRG (DEG)	* * * *	PRED CONC (PPM)	* * * *	1	2	3	CONC/LI NK (PPM)					8
1. Recpt 1	*	288.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	129.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	3.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	230.	*	3.7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

RECEPTOR	* * * *	9	10	11	CONC/LI NK (PPM)					
1. Recpt 1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

RECEPTOR	* * * *	*CONC/LI NK (PPM)			
1. Recpt 1	*	17	18	19	20
2. Recpt 2	*	0.0	0.0	0.1	0.0
3. Recpt 3	*	0.1	0.0	0.1	0.0
4. Recpt 4	*	0.0	0.0	0.1	0.0

1

Run Ended on 2/14/2011 at 16:45:32

1

access2-grant.lst  
CALINE4 - (DATED CALINE4x)

3.0.0 PC (32 BIT) VERSION  
(C) COPYRIGHT 2000, TRINITY CONSULTANTS

Run Began on 2/14/2011 at 16:55:53

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL  
JUNE 1989 VERSION  
PAGE 1

JOB: Access2 - Grant Line Road  
RUN: Hour 1 (WORST CASE ANGLE)  
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S                      ZO= 100. CM                      ALT= 0. (M)  
BRG= WORST CASE              VD= 0.0 CM/S  
CLAS= 7 (G)                      VS= 0.0 CM/S  
MIXH= 1000. M                  AMB= 3.4 PPM  
SIGHT= 5. DEGREES              TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)	*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
	*	X1 Y1 X2 Y2	*					
1. Link A	*	6284 -181 6284 -246	*	AG	1455	1.0	0.0	15.2
2. Link B	*	6284 -246 6284 -300	*	AG	1263	2.0	0.0	15.2
3. Link C	*	6284 -300 6279 -453	*	AG	1524	1.0	0.0	15.2
4. Link D	*	6297 -460 6298 -378	*	AG	1787	1.0	0.0	15.2
5. Link E	*	6298 -378 6298 -319	*	AG	1787	1.0	0.0	15.2
6. Link F	*	6298 -319 6297 -176	*	AG	1787	1.0	0.0	15.2
7. Link G	*	6284 -265 6300 -314	*	AG	192	2.0	0.0	15.2
8. Link H	*	6300 -314 6462 -325	*	AG	192	1.0	0.0	15.2
9. Link I	*	6523 -313 6380 -311	*	AG	431	1.0	0.0	15.2
10. Link J	*	6380 -311 6298 -301	*	AG	170	2.0	0.0	15.2
11. Link K	*	6370 -310 6284 -326	*	AG	261	2.0	0.0	15.2

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)
	*	X Y Z
1. Recpt 1	*	6325 -280 1.7
2. Recpt 2	*	6315 -339 1.7
3. Recpt 3	*	6243 -327 1.7
4. Recpt 4	*	6246 -277 1.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE )

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	1	2	3	4	5	6	7	8
1. Recpt 1	*	200.	*	3.6	*	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0

access2-grant.lst

2. Recpt 2	*	338.	*	3.7	*	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
3. Recpt 3	*	85.	*	3.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Recpt 4	*	108.	*	3.6	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	*	*CONC/LINK *(PPM)	9	10	11
1. Recpt 1	*	0.0	0.0	0.0	0.0
2. Recpt 2	*	0.0	0.0	0.0	0.0
3. Recpt 3	*	0.0	0.0	0.0	0.0
4. Recpt 4	*	0.0	0.0	0.0	0.0

1

Run Ended on 2/14/2011 at 16:55:53

### Emissions From Natural Gas Consumed By Land Uses

Land Use	Amount	Cubic feet per unit/square feet/customer per month	Emissions Factor (lbs per million cubic feet)		
			CO <sub>2</sub> 1.20E-04	N <sub>2</sub> O 2.20E-09	CH <sub>4</sub> 2.30E-09
<b>Residential</b>					
Single Family Units		6665	0.00	0.00	0.00
Multi-Family Units		4011.5	0.00	0.00	0.00
<b>NonResidential</b>					
Industrial		30	0.00	0.00	0.00
Hotel/Motel		75	0.00	0.00	0.00
Retail/Shopping Center	359300	45.2	64.96	0.00	0.00
Office	106,700	35.7	15.24	0.00	0.00
Blank		35	0.00	0.00	0.00
<b>TOTAL - pounds per day</b>	--	--	<b>80.20</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL - tons per year</b>	--	--	<b>14.6362</b>	<b>0.0003</b>	<b>0.0003</b>
<b>TOTAL - metric tons per year</b>	--	--	<b>1.33E+01</b>	<b>2.43E-04</b>	<b>2.54E-04</b>

	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>
<b>metric tons per year</b>	13.28	0.00	0.00
<b>metric tons CO<sub>2</sub>eq per year</b>	13.28	0.08	0.01

Notes:

- Usage rate based on factors from the Energy Information Administration (<http://www.eia.doe.gov/emeu/cbecs/cbecsreports.html>)
- Conversion from metric tons per year to metric tons of CO<sub>2</sub>eq per year is based upon the EPA Greenhouse Gas Equivalencies Calculator; <http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

## Emissions From Electricity Consumed By Land Uses

<b>Power Utility</b>
Pacific Gas and Electric (PG&E)

Land Use	Amount	kilowatt-hours per year <sup>1</sup>	Emissions Factor (lbs/kWh)		
			CO <sub>2</sub> 0.456	N <sub>2</sub> O 6.59E-06	CH <sub>4</sub> 4.04E-05
Residential (Dwelling Units)		5626.5	0.00	0.00	0.00
Food Store (SF)		53.3	0.00	0.00	0.00
Restaurant (SF)		36	0.00	0.00	0.00
Hospitals (SF)		26.5	0.00	0.00	0.00
Retail (SF)	359,300	11.8	5,296.77	0.08	0.47
College/University (SF)		8.4	0.00	0.00	0.00
High School (SF)		8.4	0.00	0.00	0.00
Elementary School (SF)		8.4	0.00	0.00	0.00
Office (SF)	106,700	18.9	2,519.41	0.04	0.22
Hotel/Motel (SF)		9.95	0.00	0.00	0.00
Warehouse (SF)		4.35	0.00	0.00	0.00
Miscellaneous (SF)		10.5	0.00	0.00	0.00
Blank			0.00	0.00	0.00
<b>TOTAL - pounds per day</b>	--	--	<b>7,816.18</b>	<b>0.11</b>	<b>0.69</b>
<b>TOTAL - tons per year</b>	--	--	<b>1,426.45</b>	<b>0.02</b>	<b>0.13</b>
<b>TOTAL - metric tons per year</b>	--	--	<b>1,294.06</b>	<b>0.02</b>	<b>0.11</b>

	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	Total MTCO <sub>2</sub> eq
<b>metric tons per year</b>	1294.06	0.0187	0.1146	
<b>metric tons CO<sub>2</sub>eq per year</b>	<b>1294.06</b>	<b>5.80</b>	<b>2.41</b>	<b>1,302.26</b>

**Notes:**

1. Usage rate based on factors from the Energy Information Administration (<http://www.eia.doe.gov/emeu/consumptionbriefs/cbecs/pbawebpage/contents.htm>)
2. Conversion from metric tons per year to metric tons of CO<sub>2</sub>eq per year is based upon the EPA Greenhouse Gas Equivalencies Calculator; <http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

Source for greenhouse gas emissions rates:

U.S. Energy Information Administration, *Domestic Electricity Emissions Factors 1999-2002*, October 2007. <http://www.eia.doe.gov/oiat/1605/techassist.html>  
 California Air Pollution Control Officers Association, *Quantifying Greenhouse Gas Mitigation Measures*, September 2010 and California Climate Action Registry (CCAR) Database, *Power/Utility Protocol (PUP) Report*, 2006.

## Water Consumption - Indirect Emissions

<b>Water Demand (MG/year):</b>	85
<b>Percent Local:</b>	0%
<b>Percent Import:</b>	100%
<b>Percent Indoor</b>	60%
<b>Percent Outdoor</b>	40%

**Energy Intensity of Water Use (kWh/MG):** 923,184

<b>Local Source:</b>	WP to San Joaquin Valley surface water
<b>Import Source:</b>	SWP to LA Basin surface water

Water Use Energy Factors (kWh/MG)						
Source	Supply and Conveyance	Treatment	Distribution	Outdoor Total	Wastewater Treatment	Indoor Total
Local	0	0	0	0	0	0
Import	8,325	111	1,272	9,708	1,911	11,619

**Emissions:**

	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	Total MTCO <sub>2</sub> eq
lbs/year	712,697.84	6.08	37.27	
MT/year	323.27	0.00	0.02	
MTCO <sub>2</sub> eq/year	323.27	0.86	0.36	<b>324.48</b>

**Abbreviations:**

kWh = kilowatt hour  
 MG = million gallons  
 SWP = State Water Project  
 WD = water district

**Notes:**

**Sources:**

California Air Pollution Control Officers Association, *Quantifying Greenhouse Gas Mitigation Measures*, September 2010.

CEC. 2006. Refining Estimates of Water-Related Energy Use in California. PIER Final Report. Prepared by Navigant Consulting, Inc. CEC-500-2006-118. December. Available at: <http://www.energy.ca.gov/2006publications/CEC-500-2006-118/CEC-500-2006-118.PDF>

CEC, 2005. California's Water-Energy Relationship. Final Staff Report. CEC 700-2005-011-SF. Available online at: <http://www.energy.ca.gov/2005publications/CEC-700-2005-011/CEC-700-2005-011-SF.PDF>

NRDC. 2004. Energy Down the Drain: The hidden Costs of California's Water Supply. Prepared by NRDC and the Pacific Institute. Available online at: <http://www.nrdc.org/water/conservation/edrain/edrain.pdf>

## Mobile Source Emissions Calculations

Project VMT: 118,938  
 Year: 2012

	Total	Breakdown of		Emission Factor		Emis Passe	Emis Deliv	Passnger	Delivery	Total Emissions	
	VMT	Passnger	Delivery	Passnger	Delivery	pounds/day		tons/year		tons/year	metric tons/year
CO	118,938	61,848	57,090	0.0077	0.0155	473.43	882.47	86.40	161.05	247.45	224.48
NO <sub>x</sub>	118,938	61,848	57,090	0.0008	0.0173	47.98	989.04	8.76	180.50	189.26	171.69
N <sub>2</sub> O <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.22	8.37
ROG	118,938	61,848	57,090	0.0008	0.0022	49.25	127.75	8.99	23.32	32.30	29.30
SO <sub>x</sub>	118,938	61,848	57,090	0.0000	0.0000	0.66	1.52	0.12	0.28	0.40	0.36
PM <sub>10</sub>	118,938	61,848	57,090	0.0001	0.0006	5.55	37.09	1.01	6.77	7.78	7.06
PM <sub>2.5</sub>	118,938	61,848	57,090	0.0001	0.0005	3.56	31.37	0.65	5.73	6.37	5.78
CH <sub>4</sub>	118,938	61,848	57,090	0.0001	0.0001	4.43	6.09	0.81	1.11	1.92	1.74
CO <sub>2</sub>	118,938	61,848	57,090	1.1015	2.7663	68,126.88	157,927.83	12,433.16	28,821.83	41,254.98	37425.89

	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	Total MTCO <sub>2</sub> eq
metric tons per year	37,425.89	8.37	1.74	
metric tons CO <sub>2</sub> eq per year	37,425.89	2,593.62	36.59	40,056.10

**Notes:**

- VMT based upon URBEMIS 2007 model output.
- Emission Factor based upon EMFAC 2007 (version 2.3), *Highest (Most Conservative) Emission Factors for On-Road Passenger Vehicles and Delivery Trucks*.
- Breakdown of Passenger and Delivery Trucks assumes 52% auto and 48% truck based on the fleet mix for the project.
- Emission Factor for N<sub>2</sub>O based upon a conversion ratio of 0.04873 from NO<sub>x</sub> to N<sub>2</sub>O. Based upon California Air Resources Board: *Estimates of Nitrous Oxide Emissions from Motor Vehicles and the Effects of Catalyst Composition and Aging*, 2005.
- Conversion from metric tons per year to metric tons of CO<sub>2</sub>eq per year is based upon the EPA Greenhouse Gas Equivalencies Calculator; <http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

*Appendix C*

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Biological Resource Information

**APPENDIX C-1**

**Plant Species Observed on the City of Tracy Filios/Dobler Annexation Project Site**

**PLANT SPECIES IDENTIFIED ON,  
OR IN THE VICINITY OF, THE CITY OF TRACY FILLIOS/DOBBLER ANNEXATION  
PROJECT SITE**

<b>FAMILY NAME</b>	<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>
<b>Asteraceae</b>	<i>Centaurea solstitialis</i>	Yellow star-thistle
	<i>Grindelia camporum</i> var. <i>camporum</i>	Great Valley gumweed
	<i>Helianthus annuus</i>	Common sunflower
	<i>Hemizonia pungens</i> ssp. <i>pungens</i>	Common tarweed
	<i>Lactuca serriola</i>	Prickly lettuce
<b>Brassicaceae</b>	<i>Brassica nigra</i>	Black mustard
<b>Chenopodiaceae</b>	<i>Atriplex rosea</i>	Tumbling saltweed
	<i>Salsola tragus</i>	Prickly Russian thistle
<b>Convolvulaceae</b>	<i>Convolvulus arvensis</i>	Field bindweed
<b>Euphorbiaceae</b>	<i>Chamaesyce maculata</i>	Spotted sandmat
	<i>Croton setigerus</i>	Dove weed
<b>Frankeniaceae</b>	<i>Frankenia salina</i>	Alkali seaheath
<b>Geraniaceae</b>	<i>Erodium cicutarium</i>	Redstem stork's bill
<b>Malvaceae</b>	<i>Malva parviflora</i>	Cheeseweed mallow
<b>Poaceae</b>	<i>Avena fatua</i>	Wild oat
	<i>Bromus diandrus</i>	Ripgut brome
	<i>Hordeum murinum</i> ssp. <i>glaucum</i>	Smooth barley
	<i>Poa bulbosa</i>	bulbous bluegrass
	<i>Vulpia myuros</i>	Rat-tail fescue
<b>Polygonaceae</b>	<i>Polygonum arenastrum</i>	Oval-leafed knotweed

The species are arranged alphabetically by family name for all vascular plants encountered during the plant survey. Plants are also listed alphabetically within each family. In some cases, it was not possible to accurately identify a particular plant to the species level due to the absence of specific anatomic structures required for identification. Common names from the PLANTS Database (<http://plants.usda.gov>) and the Jepson Manual (Hickman 1993).

**APPENDIX C-2**

**Special-Status Plant and Wildlife Species Considered but Rejected for Occurrence at the  
City of Tracy Filios/Dobler Annexation Project Site**

**SPECIAL-STATUS PLANT SPECIES CONSIDERED BUT REJECTED FOR OCCURRENCE  
ON THE CITY OF TRACY FILLIOS/DOBLER ANNEXATION PROJECT SITE**

Scientific Name	Common Name	Lack of alkaline soils and/or mesic hydrology	Associated species absent from the project site	Other edaphic factors absent from project site	Project area outside elevation range of species
<i>Allium sharsmithiae</i>	Sharsmith's onion			X	X
<i>Amsinckia grandiflora</i>	Large-flowered fiddleneck				X
<i>Androsace elongta ssp. acuta</i>	California rock jasmine				X
<i>Astragalus tener var. tener</i>	Alkali milk-vetch	X		X	
<i>Atriplex coronata var. coronata</i>	Crownscale	X		X	
<i>Atriplex joaquiniana</i>	San Joaquin spearscale		X		
<i>California macrophylla</i>	Round-leaved filaree		X		
<i>Campanula exigua</i>	Chaparral harebell			X	X
<i>Carex comosa</i>	Bristly sedge	X			
<i>Carex vulpinoidea</i>	Brown fox sedge	X			
<i>Caulanthus coulteri var lemonii</i>	Lemmon's jewelflower		X		
<i>Cirsium crassicaule</i>	Slough thistle	X			
<i>Cirsium fontinale var. campylon</i>	Mt. Hamilton fountain thistle			X	
<i>Clarkia concinna ssp. automixa</i>	Santa Clara red ribbons		X	X	
<i>Convolvulus simulans</i>	Small flowered morning glory		X	X	
<i>Cordylanthus palmatus</i>	Palmate-bracted bird's beak		X		
<i>Coreopsis hamiltonii</i>	Mt. Hamilton coreopsis		X	X	X
<i>Delphinium californicum ssp. interius</i>	Hospital Canyon larkspur	X	X		X
<i>Delphinium gypsophylum ssp. gypsophylum</i>	Gypsum loving larkspur	X	X		
<i>Delphinium recurvatum</i>	Recurved larkspur		X		
<i>Eriastrum tracyi</i>	Tracy's eriastrum		X		X
<i>Eryngium racemosum</i>	Delta button-celery	X			
<i>Eschscholzia rhombipetala</i>	Diamond-petaled California poppy		X		
<i>Fritillaria falcate</i>	Talus fritillary		X	X	X

Project area outside  
known current range of  
species

<i>Helianthella castanea</i>	Diablo helianthella					X
<i>Hesperovax caulescens</i>	Dwarf dwarf cudweed	X	X			
<i>Hesperolinon sp. nov.</i> "serpentinum"	Napa western flax		X	X	X	
<i>Hibiscus lasiocarpus var.</i> <i>occidentalis</i>	Woolly rose-mallow	X	X			
<i>Lathyrus jepsonii var. jepsonii</i>	Delta tule pea	X	X			
<i>Leptosiphon ambiguous</i>	Serpentine linanthus			X	X	
<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	X	X			
<i>Limonsella subulata</i>	Delta mudwort	X	X			
<i>Malacothamnus hallii</i>	Hall's bush-mallow		X			X
<i>Phacelia phaceliodes</i>	Mt. Diablo phacelia		X	X	X	
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	X	X			
<i>Scutellaria galericulata</i>	Marsh skullcap	X	X			
<i>Senecio aphanactis</i>	Chaparral ragwort	X	X			
<i>Symphyotrichum lentum</i>	Suisan Marsh aster	X	X			X
<i>Trochocornis wrightii var. wrightii</i>	Wright's trichocoronis	X	X			
<i>Tropidocarpum capparideum</i>	Caper-fruited tropidocarpum		X			

**SPECIAL-STATUS WILDLIFE SPECIES CONSIDERED BUT REJECTED FOR  
OCCURRENCE ON THE CITY OF TRACY FILLIOS/DOBLER ANNEXATION PROJECT  
SITE**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Outside of known current range</b>	<b>Lack of suitable aquatic habitat</b>	<b>Lack of suitable terrestrial habitat</b>
<i>Thamnophis gigas</i>	Giant garter snake		X	X
<i>Coccyzus americanus occidentalis</i>	Western yellow-billed cuckoo		X	X
<i>Laterallus jamaicensis coturniculus</i>	California black rail		X	
<i>Neotoma fuscipes riparia</i>	Riparian woodrat	X		X
<i>Sylvilagus bachmani riparius</i>	Riparian brush rabbit	X		X
<i>Rana boylei</i>	Foothill yellow-legged frog		X	
<i>Actinemys marmorata</i>	Western pond turtle		X	
<i>Xanthocephalus xanthocephalus</i>	Yellow-headed blackbird		X	
<i>Taxidea taxus</i>	American badger			X
<i>Aquila chrysaetos</i>	Golden eagle			X

**APPENDIX C-3**

**Wildlife and Plant Species Accounts**

## FEDERAL AND STATE THREATENED AND ENDANGERED SPECIES

**Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*).** **Federal Status: Threatened; State Status: None.** The valley elderberry longhorn beetle is federally listed as threatened. This species is dependent upon blue elderberry shrubs for both food and reproduction. Adult beetles feed upon the leaves of elderberry (*Sambucus* spp.) shrubs and lay their eggs within crevices of the bark on the stems of the plant (Arnold et al. 1994).

The Valley elderberry longhorn beetle historically ranged throughout the Central Valley, from Shasta County south into Kern County (Arnold et al. 1994). In contrast, surveys conducted between 1984 and 1991 detected Valley elderberry longhorn beetles in only 12 patches of natural riparian vegetation along the Sacramento, American, and San Joaquin Rivers and their tributaries (Arnold et al. 1994). The loss of habitat is the single greatest factor contributing to the decline of this species. Riparian forests throughout the Central Valley have been altered as a result of human activities associated with urban development, agriculture, and water diversions. Conservation efforts aimed at the species' recovery have included protecting existing elderberry thickets, replanting elderberry shrubs, and transplanting elderberry shrubs inhabited by beetle larvae to new sites.

Although the project site is within the range of the valley elderberry longhorn beetle, and 2 CNDDDB (2010) records of the species exist within the 9-quadrangle area surrounding the site, elderberry shrubs are absent from the project site and its immediate vicinity. Therefore, the valley elderberry longhorn beetle is absent from the project site.

**California Tiger Salamander (*Ambystoma californiense*).** **Federal Status: Threatened; State Status: Threatened.** The California tiger salamander has disappeared from a significant portion of its range due to habitat loss attributed to agricultural practices and urbanization, and the introduction of non-native aquatic predators (*e.g.*, bluegill [*Lepomis macrochirus*], largemouth bass [*Micropterus salmoides*], mosquitofish [*Gambusia affinis*], and bullfrogs). The California tiger salamander's current range includes the Great Central Valley of California and adjacent foothill districts as well as the coastal grasslands from the vicinity of San Francisco Bay south at least to Santa Barbara County (Storer 1925, Morey 1988).

The California tiger salamander's preferred breeding habitat is pond environments persisting a minimum of three to four months on an annual basis. Examples of such environments include vernal and ephemeral pools, and human-made ponds surrounded by uplands that contain small mammal burrows. The species will use permanent ponds provided that aquatic vertebrate

predators are not present (Stebbins 1954). These ponds provide breeding and larval habitat while burrows excavated by small mammals such as California ground squirrels and Botta's pocket gophers support juvenile and adult salamanders in upland habitats.

The CNDDDB (2010) lists 39 records for the California tiger salamander in the 9-quadrangle area surrounding the project site. However, no potential aquatic breeding habitat is present on the project site or its vicinity. Therefore, California tiger salamanders are absent from the project site.

**California Red-legged Frog (*Rana draytonii*). Federal Status: Threatened; State Status: Species of Concern.** The California red-legged frog is a member of the family Ranidae within the order Anura.. Factors related to declines in populations of red-legged frogs include the degradation or loss of habitat attributed to agricultural practices, introduced plants and animals, livestock grazing, mining, water diversions and impoundments, water quality, recreation activities, timber harvesting, and urbanization (USFWS 2000a). In the Central Valley of California alone, more than 90 percent of the historic wetlands have been lost or altered because of agricultural and urban development (Dahl 1990).

California red-legged frogs have been observed in a number of aquatic and terrestrial habitats throughout their historic range. Larvae, juveniles, and adult frogs occur in natural lagoons, dune ponds, pools in or next to streams, streams, marshlands, sag ponds, and springs, as well as human-created stock ponds, secondary and tertiary sewage treatment ponds, wells, canals, golf course ponds, irrigation ponds, sand and gravel pits containing water, and large reservoirs (Storer 1925, Jennings 1988). The key to the presence of California red-legged frogs in these habitats is the presence of perennial, or near perennial, water and the general lack of introduced aquatic predators such as crayfish (*Pacifastacus leniusculus* and *Procambarus clarkii*), bullfrogs (*Lithobates catesbeianus*), green sunfish (*Lepomis cyanellus*), bluegill (*L. macrochirus*), and centrarchid fishes such as largemouth bass (*Micropterus salmoides*).

The CNDDDB (2010) lists 63 records for the California red-legged frogs in the 9-quadrangle area surrounding the project site. However, no potential aquatic breeding/foraging habitat is present on the project site or its vicinity. Therefore, California red-legged frogs are absent from the project site.

**Alameda Whipsnake (*Masticophis lateralis euryxanthus*). Federal Status: Threatened; State Status: Threatened.** In 1997, the Alameda whipsnake was officially listed as a threatened species under the auspices of the FESA (Federal Register 62:64306). The Alameda whipsnake

has a limited distribution and occurs primarily in the inner Coast Range of western and central Contra Costa and Alameda counties (Jennings 1983). The USFWS proposed critical habitat for the Alameda whipsnake in 2000 (Federal Register 65:12155).

The Alameda whipsnake inhabits foothills containing scrubland, oak woodland, and riparian zones interspersed with grassland and rock outcrops. The snake is highly mobile and actively hunts prey among the scrub edges. Suitable habitat for the Alameda whipsnake consists of scrub communities, including mixed chaparral, chamise-redshank chaparral, coastal scrub, and annual grassland and oak woodlands that lie adjacent to scrub habitats. Additionally, small mammal burrows, rock outcrops, and talus are other habitat features that provide a source of cover for the whipsnake during dispersal or are near scrub habitats and contain habitat features that support adequate prey populations.

The CNDDDB (2010) includes 2 records for Alameda whipsnake within the 9-quadrangle area surrounding the project site, though the species has not been observed within 5 mi of the site according to CNDDDB (2010) records. For the project site to be suitable for the Alameda whipsnake, it must contain the primary constituent elements needed by the species. The project site lacks these primary constituent elements for the snake (i.e. scrub communities, or annual grasslands and oak woodlands adjacent to scrub habitats, or rock outcrops or riparian corridors between scrub communities). Given the lack of rock outcrops and stands of chaparral and the lack of nearby occurrence records, whipsnakes are absent from the project site.

**Swainson's Hawk (*Buteo swainsoni*).** **Federal Status: None; State Status: Threatened.** The Swainson's hawk is a large soaring bird of open habitats. It has a wingspan of approximately four feet. The coloration is highly variable from light to rufous to entirely dark birds. Swainson's hawks are most easily distinguished from other members of its genus, such as the familiar Red-tailed Hawk (*B. jamaicensis*), by their more slender body and narrow, pointed, and slightly upturned wings.

Swainson's hawks were once one of the most common birds of prey in the grasslands of California. Its populations have declined at least 90% since 1900, and are still believed to be declining (Bloom and Van De Water 1994). They once nested in the majority of the lowland areas in the state. Currently, the nesting range is primarily restricted to portions of the Sacramento and San Joaquin valleys, and northeast California (Bloom 1980). It was listed as threatened by the State of California in 1983.

Swainson's hawks require large amounts of foraging habitat, preferably grassland or pasture habitats. Their preferred prey items are voles (*Microtus* spp.), gophers, birds, and insects such as grasshoppers (Estep 1989). They have adapted to the use of some croplands, particularly alfalfa, but also hay, grain, tomatoes, beets and other row crops (Estep 1989). Crops such as cotton, corn, rice, orchards, and vineyards are not suitable since they either lack suitable prey or the prey is unavailable to the Swainson's hawks due to the crop structures.

In the Central Valley, Swainson's hawks are generally tied to riparian habitat for nesting sites, though they will nest in isolated trees (Bloom 1980). A few pairs nesting in the Central Valley utilize eucalyptus trees and nest outside riparian areas (CNDDDB 2010).

Swainson's hawks are summer residents in San Joaquin County and are known to nest in the vicinity of the project site (CNDDDB 2010). During a reconnaissance survey of the project site and vicinity conducted by H. T. Harvey & Associates on 8 August 2010, 3 potentially active Swainson's hawk nests were observed within a 5-mi radius of the project site near the intersection of Lammers Ferry and Schulte roads (CNDDDB occurrence no. 1215 [2003]; 2 nests observed) and on Van Sostem Rd west of the project site (CNDDDB occurrence no. 1228 [2003]). The former occurrence is within 5 mi of the site, and the latter occurrence is within 1 mi of the site. Many additional nests have been documented within 5 mi of project site (CNDDDB 2010), and it is a virtual certainty that at least one active Swainson's hawk nest exists within a 5-mi radius and possible that such a nest exists within a 1-mi radius. These nests may continue to be active in the future.

**San Joaquin Kit Fox (*Vulpes macrotis mutica*).** **Federal Status: Endangered; State Status: Threatened.** The kit fox is the smallest canid species in North America and the San Joaquin kit fox is the largest subspecies. The San Joaquin kit fox was listed as endangered by the USFWS (USFWS 1967) in 1967 and by the State of California in 1971. Loss of habitat from urban, agricultural, and industrial development is the principal factor in the decline of the San Joaquin kit since at least the 1950s (Morrell 1975).

Grinnell et al. (1937) believed that by 1930 the range of the San Joaquin kit fox had been reduced by half. They described the range prior to 1930 as including most of the San Joaquin Valley from southern Kern County north to Tracy in San Joaquin County on the west side of the Valley and up to La Grange in Stanislaus County on the east side. Subpopulations of the San Joaquin kit fox appear to be increasingly isolated from one another due to developments within its range including: cities, aqueducts, irrigation canals, surface mining, road networks, petroleum fields, other industrial projects, and wind farms (USFWS 1998). This isolation of

subpopulations can lead to increased rates of extinction (Gilpin and Soule 1986) due to the effects of inbreeding, genetic drift, (Dennis 1989, Fowler and Baker 1991), interspecific competition, and catastrophic occurrences in the local environment.

The San Joaquin kit fox is primarily nocturnal and typically occurs in annual grassland or mixed shrub/grassland habitats throughout low, rolling hills and in the valleys. The diet of kit foxes varies geographically, seasonally, and annually, but throughout most of its range the diet consists primarily of kangaroo rats (*Dipodomys* spp.), pocket mice (*Perognathus* spp.), white-footed mice (*Peromyscus* spp.), San Joaquin antelope squirrels (*Ammospermophilus nelsoni*), California ground squirrels, rabbits (*Sylvilagus* spp.), black-tailed hares (*Lepus californicus*), ground nesting birds, and insects, (Morrell 1972, Orloff and Spiegel 1986, Scrivner et al. 1987, Cypher and Spencer 1998).

Kit foxes have been observed to disperse across disturbed habitats such as agricultural fields, oil fields, rangelands, highways, and aqueducts (Scrivner et al. 1987; see USFWS 1998). Maintaining movement corridors to connect subpopulations remains an important goal of recovery efforts for this species.

The kit fox requires underground dens for temperature regulation, shelter, reproduction, and predator avoidance (Golightly and Ohmart 1984). Kit foxes commonly modify and use dens constructed by other animals and human-made structures (USFWS 1998). Dens are usually located on loose-textured soils on slopes less than 40 degrees (O'Farrell et al. 1980), but the characteristic of San Joaquin kit fox dens varies across the fox's geographic range in regard to the number of openings, shape, and the slope of the ground on which they occur (USFWS 1998). Natal or maternal dens tend to be found on slopes of less than six degrees (O'Farrell and McCue 1981). Kit foxes change dens often using numerous dens each year.

Interspecific competition occurs between kit foxes and non-native red foxes, coyotes, and domestic dogs (Ralls and White 1995). Coyotes are highly adaptable to disturbed environments and may out-compete kit foxes for available resources as well as kill them opportunistically (White and Garrott 1997, Cypher and Spencer 1998). Predation by large carnivores can account for the majority of the annual adult mortality rate observed among San Joaquin kit foxes in some areas (Berry et al. 1987). Non-native red fox may be a greater threat to kit fox than coyote in some areas, as they are known to directly prey upon kit foxes and displace kit foxes upon invasion of their habitat (Ralls and White 1990).

The Recovery Plan for Upland Species of the San Joaquin Valley (USFWS 1998) calls for the protection of 80% of existing potential kit fox habitat along Valley edges in the northern segments of their geographic range and existing connections between habitat in those areas and habitat farther south. The Recovery Plan shows the areas along the valley's edges within which a contiguous band of natural lands and wildlife-compatible farmlands should be maintained as linkages for kit fox and other listed and sensitive species. In the Tracy expansion area, this includes the entire foothill area west of Interstate 580.

Existing land uses surrounding the project site is comprised almost entirely of agriculture and urban development. Although the current farming practices within the portion of the project site dedicated to agriculture (hay field) have allowed burrow-dependent species such as California ground squirrel and burrowing owl to occupy this area, the row crops and urban development of the surrounding area provide virtually no denning or foraging habitat. The continuous tilling in agricultural fields and the permanent habitat alteration that occurs in urban development prevent prey species from becoming readily established.

The CNDDDB (2010) includes 30 records of San Joaquin kit within the 9-quadrangle area surrounding the project site between 1973 and 2002. Linear features in the project vicinity (roads, canals, and a railroad,) are potential travel corridors for kit foxes during dispersal or exploratory forays. However, the major highways (i.e., Interstate 580 and Interstate 205) and canals (i.e., the Delta-Mendota, Upper Main, and Lower Main canals) that lie between the hills to the west and the project site, while perhaps not absolute barriers, are formidable impediments to kit fox dispersal. If a kit fox were to travel toward the project site from higher quality habitat west of Interstate 580, it would encounter these impediments along with inhospitable agricultural and urban development across the intervening landscape. Furthermore, potential foraging and denning habitat within the project area is of low value for kit foxes and is expected to be used infrequently, if at all.

## PLANTS

**Large-flowered fiddleneck (*Amsinckia grandiflora*).** **Federal Listing Status: Endangered;** **State Listing Status: Endangered; CNPS List: 1B.** Large-flowered fiddleneck is an annual herb in the borage family (Boraginaceae) that blooms from April to May. It occurs on open grassy slopes from 902 to 1804 ft elevation in the Central Valley, inner Coast Range and adjacent valleys. This species prefers relatively undisturbed, wet habitats with clay soils. Large-flowered fiddleneck is endemic to California and is known from fewer than five natural occurrences in Alameda, Contra Costa, and San Joaquin counties. Persistence of this species is threatened by agriculture, development, grazing, and non-native plants, and possibly altered fire return intervals (CNDDDB 2010, CNPS 2010).

**Mt. Hamilton fountain thistle (*Cirsium fontinale* var. *campylon*) Federal Listing Status: Species of Concern; State Listing Status: None; CNPS List: List 1B.2.** Mt. Hamilton thistle is an erect, pale green, wooly perennial plant in the sunflower family (Asteraceae) that blooms from April to October, producing nodding white to pinkish flowering heads with spiny, reflexed flower bracts. Seeds mature from late summer to fall. Mt. Hamilton thistle is associated with sunny seeps and streams, chaparral, cismontane woodland, and valley and foothill grassland habitats on serpentine soils from 328 to 2920 ft in elevation. The range of Mt. Hamilton thistle includes 10 USGS quadrangles in Santa Clara, Alameda, and Stanislaus counties, where the California Natural Diversity Database (CNDDDB 2005) documents 42 reported occurrences, 17 of which are considered historic. Urbanization, trampling, non-native plants, and grazing threaten the persistence of this species (CNPS 2010).

**Palmate-bracted bird's beak (*Cordylanthus palmatus*). Federal Listing Status: Endangered; State Listing Status: Endangered; CNPS List: 1B.1.** Palmate-bracted bird's beak is a hemiparasitic annual herb in the snapdragon family (Scrophulariaceae) that blooms from May to October. It is found in alkaline soils in chenopod scrublands and valley and foothill grassland habitats at elevations from 16 to 509 ft. Palmate-bracted bird's beak is documented in 14 USGS 7.5-minute quadrangles in Alameda, Colusa, Fresno, Madera, and Yolo counties. It is introduced in Glenn County, and is presumed extirpated from San Joaquin County (CNPS 2010). Agriculture, grazing, urbanization, vehicles, development, and alteration of natural hydrology threaten the persistence of palmate-bracted bird's beak.

**Tracy's eriastrum (*Eriastrum tracyi*). Federal Listing Status: None; State Listing Status: Rare; CNPS List: 1B.2.** Tracy's eriastrum is an annual herb in the phlox family (Polemoniaceae) that blooms from June to July. The species occurs in chaparral and cismontane woodland habitats from 1033 to 3200 ft in elevation. This California endemic is documented in 10 USGS quadrangles and occurs in Colusa, Glenn, Santa Clara, Tehama, and Trinity counties. Vehicles, competition, development, and grazing threaten the persistence of this species (CNPS 2010).

**Delta button-celery (*Eryngium racemosum*) Federal Listing Status: None; State Listing Status: Endangered; CNPS List: 1B.1.** The Delta button-celery is an annual to a perennial herb in the carrot (Apiaceae) family that blooms from June to July. It occurs in seasonally flooded clay depressions in riparian scrub from 10 to 100 ft elevation (CNPS 2009). This California endemic is documented in 17 USGS 7.5-minute quadrangles in Calaveras, Contra Costa, Madera, San Joaquin, and Stanislaus Counties. This species may be extirpated from San Joaquin County, and many historical occurrences statewide have been extirpated by agriculture and flood control activities (CNPS 2009).

**Mason's lilaopsis (*Lilaopsis masonii*). Federal Listing Status: None; State Listing Status: Rare; CNPS List: 1B.1.** This rhizomatous herb in the carrot family (Apiaceae) occurs in brackish or freshwater marshes and swamps, as well as in riparian scrub habitats from 1 to 32.8 ft. It is typically found in habitats readily inundated by waves or tidal influence. The blooming period extends from April through November. This species is endemic to California and extends over low elevation marshes and wetlands near Suisun Bay and Clifton Court Forebay in

Alameda, Contra Costa, Marin, Napa, Sacramento, San Joaquin, and Solano counties. Occurrences of this species are highly limited and at serious risk. Mason's lilaepsis is locally common in Suisun Bay. Persistence of this species often occurs on frequently disturbed substrate as ephemeral populations, and is threatened by erosion, channel stabilization, development, flood control projects, recreation, agriculture, shading due to marsh succession, and competition with non-native water hyacinth *Eichhornia crassipes* (CNPS 2010).

**Showy golden madia (*Madia radiata*).** **Federal Listing Status: None; State Listing Status: Rare; CNPS List: 1B.1.** Showy golden madia is an annual herb in the sunflower family (Asteraceae) that blooms from March to May. This species occurs in cismontane woodland and valley and foothill grassland habitats from 82 to 2953 ft in elevation. The historical range of this California endemic includes 34 USGS quadrangles in Contra Costa, Fresno, Kings, Kern, Monterey, Santa Barbara San Benito, San Joaquin, San Luis Obispo, and Stanislaus counties. It now only occurs in 20 USGS quadrangles in Fresno, Kern, San Benito, San Luis Obispo, and Stanislaus counties. Grazing and non-native plants threaten the persistence of this species (CNPS 2010).

## CALIFORNIA SPECIES OF SPECIAL CONCERN AND STATE PROTECTED SPECIES

**Western Spadefoot (*Spea hammondi*).** **Federal Status: None; State Status: Special Concern.**

The western spadefoot is a toad that inhabits grassland habitats of central California and the southern California coast. It requires temporary pools of water, lacking predators such as fish, bullfrogs, or crayfish, for egg laying (Jennings and Hayes 1994). It is associated with vernal pools in the Central Valley. Jennings and Hayes (1994) indicated that in northern and central California, more than 30% of western spadefoot habitat has been lost.

The CNDDDB (2010) includes 12 records of the western spadefoot within the 9-quadrangle area surrounding the project site, though none occurs within a 5-mi radius of the site. Suitable aquatic breeding habitat is absent from the project site and vicinity, and this species is absent from the project site.

**Silvery Legless Lizard (*Anniella pulchra pulchra*).** **Federal Status: None; State Status: Special Concern.** This unusual lizard occurs in sandy or loose loamy soils under the sparse vegetation of beaches, chaparral, pine-oak woodland, or under sycamores, cottonwoods, or oaks on stream terraces. Legless lizards forage for insects and spiders under leaf litter or sandy soil, usually at the base of shrubs or other vegetation (Jennings and Hayes 1994). Their adaptation for burrowing, which requires soils with a high sand fraction, makes legless lizards vulnerable to ground disturbing activities such as agriculture.

Although 2 records for the species occur within the 9-quadrangle area surrounding the project site (CNDDDB 2010), suitable habitat is absent from the site due to the lack of friable mesic soils. Therefore, silvery legless lizard is absent from the project site.

**San Joaquin Coachwhip (*Masticophis flagellum ruddocki*). Federal Status: None; State Status: Special Concern.** The San Joaquin coachwhip, often referred to as the San Joaquin whipsnake, is a subspecies of the coachwhip, a snake related to racers. They occur on the west side of the San Joaquin Valley and on the Valley floor in Kern County in sparse grasslands and saltbush scrub communities with little or no trees (Jennings and Hayes 1994). They require the presence of mammal burrows for refuge, temperature regulation, and possibly egg-laying.

The San Joaquin coachwhip has experienced significant declines, largely due to the conversion of native habitats to agriculture (Jennings and Hayes 1994). The CNDDDB (2010) includes 3 records for the San Joaquin coachwhip within the 9-quadrangle area surrounding the project site, although none is within a 5-mi radius of the site. The species is absent due to the highly disturbed and degraded states of the habitats of the project site and the surrounding vicinity.

**Coast Horned Lizard (*Phrynosoma blainvillii*). Federal Status: None; State Status: Special Concern.** This ant specialist, that formerly inhabited much of the Central Valley, has disappeared from much of its former range. Coast horned lizards occupy loose sandy loam and alkaline soils in a variety of habitats including chaparral, grasslands, saltbush scrub, coastal scrub, and clearings in riparian woodlands. They primarily eat insects such as ants and beetles. Their population decline is mainly attributed to conversion of land to agriculture. The human introduction of non-native Argentine ants, which are inedible to horned lizards and tend to displace the native harvester ants, is another factor in their decline.

In the Central Valley, conversion of native lands to agriculture, as well as other developments, has resulted in significant declines in the coast horned lizard (Jennings and Hayes 1994). The CNDDDB (2010) includes 13 records for the California horned lizard within the 9-quadrangle area surrounding the project site, although only 2 occurrences are within a 5-mi radius of the project site. The species is absent due to the lack of friable soils and the highly disturbed and degraded states of the habitats of the project site and the surrounding vicinity.

**Tricolored Blackbird (*Agelaius tricolor*). Federal Status: None; State Status: Special Concern.** Tricolored blackbirds are found almost exclusively in the Central Valley and central and southern coastal areas of California. The tricolored blackbird is highly colonial in its nesting habits and forms dense breeding colonies of up to tens of thousands of pairs. This species

typically nests in tall, dense, stands of cattails or tules, but also nests in blackberry, wild rose bushes, and tall herbs. Nesting colonies are typically located near standing or flowing freshwater. Tricolored blackbirds form large, often multi-species flocks during the non-breeding period and range more widely than during the reproductive season.

The CNDDDB (2010) includes 11 records for the tricolored blackbird within the 9-quadrangle area surrounding the project site and 3 occurrences are within a 5-mi radius of the project site. However, since no freshwater emergent vegetation occurs on the project site, this species may only occur only as an occasional nonbreeder.

**Burrowing Owl (*Athene cunicularia*). Federal Status: None; State Status: Special Concern.**

The burrowing owl is a small, terrestrial owl of open country. These owls prefer annual and perennial grasslands, typically with sparse or nonexistent tree or shrub canopies. In California, burrowing owls are found in close association with California ground squirrels; owls use the abandoned burrows of ground squirrels for shelter and nesting. The nesting season as recognized by the CDFG (1995) runs from February 1 through August 31. After nesting is completed, adult owls may remain in their nesting burrows or in nearby burrows, or they may migrate (Gorman et al. 2003); young birds disperse across the landscape from 0.1 miles to 35 miles from their natal burrows (Rosier et al. 2006). Burrowing owl populations have declined substantially in the San Francisco Bay area in recent years, with declines estimated at 4-6% annually (DeSante et al. 2007).

Burrowing owls are relatively abundant in the Tracy region, with 91 CNDDDB (2010) occurrences within the 9-quadrangle area surrounding the project site. During the wildlife reconnaissance survey conducted on 8 August 2010, 2 to 3 burrowing owls were observed within the agricultural habitat on the site and the in area between the fenceline and railroad tracks the southern boundary of the site. Several burrows with sign of owl usage were observed in the agricultural habitat the near the southern boundary of the site and in the area between the railroad tracks and the fenceline along the southern boundary of the site. Burrowing owls may also breed on-site.

**Northern Harrier (*Circus cyaneus*). Federal Status: None; State Status: Special Concern**

**(Nesting).** The northern harrier is commonly found in open grasslands, agricultural areas, and marshes. Nests are built on the ground in areas where long grasses or marsh plants provide cover and protection. Harriers hunt for a variety of prey, including rodents, birds, frogs, reptiles, and insects by flying low and slow in a traversing manner utilizing both sight and sound to detect prey items. Northern harriers are common in the Central Valley, especially during winter.

The CNDDDB (2010) includes no records for the northern harrier within the 9-quadrangle area surrounding the project site. Extensive areas of tall grass or tules that would provide nesting habitat for this species are absent from the general project area; however, the area does provide suitable foraging habitat, and northern harriers may occasionally use the site for this purpose.

**White-tailed Kite (*Elanus leucurus*). Federal Status: None; State Status: Fully Protected.**

The white-tailed kite ranges throughout the western states and Florida where suitable habitat occurs. In California, white-tailed kites can be found in the Central Valley and along the coast, in grasslands, agricultural fields, cismontane woodlands, and other open habitats (Polite et al. 1990, Dunk 1995, Erichsen et al. 1996). Although the species rallied impressively after marked reductions during the early 20th century, populations may be exhibiting new declines as a result of recent increases in habitat loss and disturbance (Dunk 1995, Erichsen et al. 1996). White-tailed kites are year-round residents of the state, establishing breeding territories that encompass open areas with healthy prey populations, and snags, shrubs, trees, or other nesting substrates (Dunk 1995). Nonbreeding birds typically remain in the same area over the winter, although some movements do occur (Polite et al. 1990). The presence of white-tailed kites is closely tied to the presence of prey species, particularly voles, and prey base may be the most important factor in determining habitat quality for white-tailed kites (Dunk and Cooper 1994, Skonieczny and Dunk 1997).

The CNDDDB (2010) contains 2 records of white-tailed kite within the 9-quadrangle area surrounding the project site. This species may occasionally forage in open areas throughout the site and could possibly nest in the tall shrubs or trees on-site.

**Loggerhead Shrike (*Lanius ludovicianus*). Federal Status: None; State Status: Special Concern (Nesting).** The loggerhead shrike is distributed throughout much of California, except in higher-elevation and heavily forested areas including the Coast Ranges, the Sierra Nevada, the southern Cascades, the Klamath and Siskiyou ranges, and the highest parts of the Transverse Ranges (Humple 2008). While the species range in California has remained stable over time, populations have declined steadily (Cade and Woods 1997). Loggerhead shrikes establish breeding territories in open habitats with relatively short vegetation that allows for visibility of prey; they can be found in grasslands, scrub habitats, riparian areas, other open woodlands, ruderal habitats, and developed areas including golf courses and agricultural fields (Yosef 1996). They require the presence of structures for impaling their prey; these most often take the form of thorny or sharp-stemmed shrubs, or barbed wire (Humple 2008). Ideal breeding habitat for loggerhead shrikes is comprised of short grass habitat with many perches, shrubs or trees for nesting, and sharp branches or barbed wire fences for impaling prey. Shrikes nest earlier than

most other passerines, especially in the west where populations are sedentary. The breeding season may begin as early as late February, and lasts through July (Yosef 1996). Nests are typically established in shrubs and low trees including sagebrush, willow, and mesquite, through brush piles may also be used when shrubs are not available. Loss and degradation of breeding habitat, as well as possible negative impacts of pesticides, are considered to be the major contributors to the population declines exhibited by this species (Cade and Woods 1997).

The CNDDDB (2010) includes 7 records for the loggerhead shrike within the 9-quadrangle area surrounding the project site, one of which is within a 5-mi radius of the project site. This species is likely to forage at the project site and could nest in the ruderal or developed habitats of the project site.

**Pallid Bat (*Antrozous pallidus*).** **Federal Status: None; State Status: Special Concern.** This medium-sized bat occurs throughout much of California. The pallid bat is usually found in open lowlands where it preys upon flightless insects. It prefers roosting in caves and mine tunnels but buildings and trees may also be used. Pallid bats are pale to light brown in color, and, at about 24 grams, is one of the State's largest bats. Coastal colonies commonly roost in deep crevices in rocky outcroppings, in buildings, under bridges, and in hollow trees. Colonies can range from a few individuals to over a hundred and are non-migratory (Barbour and Davis 1969). Some female/young colonies (typically the coastal subspecies) use their day roost for their nursery as well as hibernacula, while other colonies (typically those in the desert) migrate locally on a seasonal basis (Johnston 1997). Although crevices are important for day roosts, night roosts often include open buildings, porches, garages, highway bridges, and mines.

Pallid bats may travel up to several miles for water or foraging sites if roosting sites are limited. This bat prefers foraging on terrestrial arthropods in dry open grasslands near water and rocky outcroppings or old structures. They may also occur in oak woodlands and at the edge of redwood forests along the coast. Pallid bats are sensitive to human disturbances at roost sites. The project area does contain a building that appears to be used infrequently that could serve as a roost site and potentially a maternity site.

**Townsend's Big-eared Bat (*Corynorhinus townsendii townsendii*).** **Federal Status: none; State Status: Special Concern.** The Townsend's big-eared bat is a colonial species, and females aggregate in the spring at maternity colonies to begin their breeding season, which may extend through the end of August. Females give birth to one young, and females and young show a high fidelity to both their group and their specific roost site (Pearson et al. 1952). Although the Townsend's big-eared bat is usually a cave dwelling species, many colonies are

found in anthropogenic structures, such as the attics of buildings or old abandoned mines. Known roost sites in California include limestone caves, lava tubes, mine tunnels, buildings, and other structures (Williams 1986). This species also roosts in deep crevices of redwood trees. Radio tracking studies suggest that movement from a colonial roost during the maternity season is confined to 9 miles (Pierson and Rainey 1998). This species is easily disturbed while roosting in buildings, and females are known to abandon their young when disturbed (Humphrey and Kunz 1976). Townsend's big-eared bats feed primarily on moths and other soft-bodied insects (Kunz and Martin 1982).

**Western Mastiff Bat (*Eumops perotis*). Federal Status: None; State Status: Special**

**Concern.** Western mastiff bats are the largest of all of North America species of bats with a forearm length of 3.1 to 3.3 inches and weighing up to 3.5 ounces. This species can forage up to 2300 feet above ground level and typically forages for about 7 hours per night and has been observed 15 miles from the nearest roost (Vaughn 1959). This species roosts primarily in cliffs or high buildings where there is a minimum of 9.8 feet of vertical drop at the entrance to roosts. Mastiff bats consume a variety of insects, including moths, crickets, grasshoppers, dragonflies, cicadas, beetles, and bees, and individuals may travel up to 15 miles from the nearest roost while foraging (Wilson and Ruff 1999). This species is found in central and south coastal California, the San Joaquin Valley, the southern half of the Sierra foothills, and throughout the desert regions. The western mastiff bat may use bridges, rocks, or buildings as night roosts, day roosts, or maternity roosts, and suitable roosting and potentially maternity habitat exists in the on-site building that appears to receive infrequent use.

**Western Red Bat (*Lasiurus blossevillii*). Federal Status: None; State Status: Special**

**Concern.** The western red bat is a locally common bat in coastal California and the Central Valley from Shasta County to Baja California (Zeiner et al. 1990). Western red bats are strongly associated with intact cottonwood/sycamore valley riparian habitats in low elevations (Pierson et al. 2006), and the loss of such habitat throughout its range threatens the persistence of the species (WBWG 2005). Both day and night roosts are almost always located in the foliage of trees; red bats in the Central Valley show a preference for large trees and extensive, intact riparian habitat (Pierson et al. 2006). Day roosts are often located along the edges of riparian areas, near streams, grasslands, and even urban areas (WBWG 2005). During the breeding season, red bats establish individual tree roosts and occasionally small maternity colonies in riparian habitats, in locations usually hidden from every direction except below (Zeiner et al. 1990). Little is known about the habitat use of western red bats during the nonbreeding season (Pierson et al. 2006). Western red bats Although the CNDDDB (2010) contains no records of this species within the 9-quadrangle area surrounding the project site, western red bats may forage over the project site

and could roost in one or more of the on-site buildings or trees. However, due to its preference for riparian habitats, this species is unlikely to form maternity roosts on the site.

## CNPS LISTED SPECIES

**Sharsmith's onion (*Allium sharsmithiae*) Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.3.** Sharsmith's onion is a bulbiferous herb in the lily family (Liliaceae) that blooms from March to May. It occurs on rocky or serpentinite substrate in chaparral or cismontane woodland habitats at elevations of 1312 to 3937 ft. Sharsmith's onion is known only from the Mt. Hamilton Range (CNPS 2010). It occurs in four USGS 7.5-minute quadrangles within Alameda, Santa Clara, and Stanislaus counties.

**California androsace (*Androsace elongata* ssp. *acuta*). Federal Listing Status: None; State Listing Status: None; CNPS List: 4.2.** California androsace is an annual herb in the primrose family (Primulaceae) that blooms from March through June. It occurs on dry, grassy slopes (Hickman 1993) in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats at elevations from 492 to 3937 ft. CNPS also suggests the species may be found in meadows and seeps, but this is not corroborated by other sources and may be a database error (CNPS 2010). California androsace is a widespread species found in several counties including Alameda, Contra Costa, Fresno, Kern, San Bernardino, San Diego, Siskiyou, San Joaquin, San Luis Obispo, and possibly Tehama counties. It is believed extirpated from Los Angeles County. California androsace also has been reported from Baja California and is endangered in Oregon (CNPS 2010). Persistence of this species is threatened by grazing, trampling, non-native plants, alteration of fire regimes, and recreational activities.

**Alkali milk-vetch (*Astragalus tener* var. *tener*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Alkali milk-vetch is an annual herb in the pea family (Fabaceae) that blooms from March to June. It occurs in alkaline soils in playas, valley and foothill grasslands underlain by adobe clay, and vernal pool habitats at elevations between 3 and 197 ft. Alkali milk-vetch is a California endemic found in 35 USGS quadrangles in Alameda, Merced, Napa, Solano, and Yolo counties, and is presumed extirpated from its historical range in Contra Costa, Monterey, San Benito, Santa Clara, San Francisco, San Joaquin, Sonoma, and Stanislaus counties. Threats to the persistence of this species include: development, competition from non-native plants, and habitat destruction especially from agriculture.

**Crownscale (*Atriplex coronata* var. *coronata*). Federal Listing Status: None; State Listing Status: None; CNPS List: 4.2.** Crownscale is an annual herb in the goosefoot family (Chenopodiaceae) that blooms from March to October. It is distributed across the Central Valley and the central California coast in strongly alkaline, open soils in chenopod scrub, valley and foothill grassland, and vernal pools at elevations from 3 to 1800 ft. Crownscale is a California endemic documented from Alameda, Contra Costa, Fresno, Glenn, Kings, Kern, Merced, Monterey, San Luis Obispo, Solano, and Stanislaus counties (CNPS 2010).

**San Joaquin spearscale (*Atriplex joaquiniana*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** San Joaquin spearscale is an annual herb in the goosefoot

family (Chenopodiaceae) that blooms from April to October. It is found in alkaline soils in chenopod scrublands, meadows and seeps, playas, and valley and foothill grasslands from 3 to 2740 ft elevation. Records of the species are documented in 42 USGS quadrangles in Alameda, Contra Costa, Colusa, Fresno, Glenn, Merced, Monterey, Napa, San Benito, Solano, and Yolo counties. It is presumed extirpated from its historical range in Santa Clara, San Joaquin, and Tulare counties. Threats to the persistence of this species include grazing, agriculture, and development (CNPS 2010).

**Big tarplant (*Blepharizonia plumosa*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.1.** Big tarplant is an annual herb in the sunflower family (Asteraceae) that blooms from July to October. This plant grows on dry, grassy slopes in valley and foothill grassland habitat at elevations between 98 and 1657 ft (CNPS 2010). Big tarplant is known from Alameda, Contra Costa, San Joaquin, San Luis Obispo, and Stanislaus counties. It is extirpated from its historic range in Solano County. Most historic occurrences were probably extirpated by agriculture and non-native plants. Persistence of this species is currently threatened by residential development (CNPS 2010).

**Round-leaved filaree (*California macrophylla*, formerly *Erodium macrophyllum*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.1.** Round-leaved filaree is an annual herb in the geranium (Geraniaceae) family that blooms from March to May. This species occurs on clay soils in valley and foothill grassland or open cismontane woodland habitats at elevations from 49 to 3937 ft. It occurs in 92 USGS 7.5-minute quadrangles throughout the state in Alameda, Contra Costa, Colusa, Fresno, Glenn, Kings, Kern, Lake, Lassen, Los Angeles, Merced, Monterey, Napa, Riverside, Santa Barbara, San Benito, Santa Clara, San Diego, San Joaquin, San Luis Obispo, San Mateo, Solano, Sonoma, Stanislaus, Tehama, Ventura, and Yolo counties, and within habitats from Oregon to Baja California. It is considered extirpated from Butte County and from Santa Cruz Island. Many collections of the species are historic. Persistence of this species is threatened by urbanization, habitat alteration, vehicles, pipeline construction, feral pigs, and non-native plants; it is also potentially threatened by grazing (CNPS 2010).

**Chaparral harebell (*Campanula exigua*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Chaparral harebell is an annual herb in the bellflower family (Campanulaceae) that blooms from May to June. This species occurs in rocky, usually serpentinite soils in chaparral at elevations from 902 to 4101 ft. Safford et al. (2005) rates the species' serpentine affinity at 3.9, indicating a broad endemic or strong indicator of serpentine habitats. Chaparral harebell is a California endemic documented in 18 USGS quadrangles in Alameda, Contra Costa, San Benito, Santa Clara, and Stanislaus counties. Mining and vehicles may threaten the persistence of this species (CNPS 2010).

**Bristly sedge (*Carex comosa*). Federal Listing Status: None; State Listing Status: None; CNPS List: 2.1.** This perennial, rhizomatous graminoid occurs in seeps and wetland edges in valley and foothill grassland, marshes or swamps along lake margins, and coastal prairies below approximately 2065 ft. Bristly sedge is in the Cyperaceae family and has a blooming period that extends from May through September. The range of this species has been reduced to Contra Costa, Lake, Mendocino, Sacramento, Santa Cruz, Shasta, San Joaquin, and Sonoma counties, as

well as in Oregon, Idaho, and Washington. It is presumed to be extirpated from its historical range in San Francisco and San Bernardino counties (CNPS 2010). Persistence of bristly sedge is threatened by marsh drainage and road maintenance.

**Brown fox sedge (*Carex vulpinoidea*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 2.2.** This perennial herb occurs in freshwater marshes or swamps and riparian woodland from approximately 82 to 3937 ft. Brown fox sedge is in the Cyperaceae family and has a blooming period that extends from May through June. The range of this species includes Butte, Kern, Los Angeles, Shasta Siskiyou, San Joaquin, Tehama, and Trinity counties, as well as in Arizona, Oregon, and elsewhere (CNPS 2010). Persistence of brown fox sedge is threatened by development.

**Lemmon's jewelflower (*Caulanthus coulteri* var. *lemmonii*).** **Federal listing status: None; State listing status: None; CNPS List: 1B.2.** Habitat for Lemmon's jewelflower includes pinyon and juniper woodland and valley and foothill grassland from 262 to 4002 ft. This annual herb in the mustard family (Brassicaceae) flowers from March to May. The range of this species includes Fresno, Kings, Kern, Merced, Monterey, Santa Barbara, San Benito, San Joaquin, San Luis Obispo, Stanislaus, and Ventura counties (CNPS 2010). It is believed to be extirpated from Alameda County (CNPS 2010). Persistence of Lemmon's jewelflower is threatened by development and grazing (CNPS 2010).

**Parry's red tarplant (*Centromadia parryi* ssp. *rudis*).** **Federal listing status: None; State listing status: None; CNPS List: 4.2.** Habitat for Parry's red tarplant includes alkaline vernal pools, vernal mesic sites, seeps, and sometimes roadsides in valley and foothill grassland from 0 to 328 ft. This annual herb in the sunflower family (Asteraceae) flowers from May to October. The range of this species includes Butte, Colusa, Glenn, Lake, Merced, Sacramento, San Joaquin, Solano, Sutter, and Yolo counties (CNPS 2010). Persistence of Parry's red tarplant is threatened by habitat alteration and disturbance, and possibly by road maintenance (CNPS 2010).

**Slough thistle (*Cirsium crassicaule*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.1.** This annual or short-lived perennial herb occurs in chenopod scrub, marshes and swamps (sloughs), and riparian scrub habitats from 10 to 328 ft. The blooming period for slough thistle, which is in the composite (Asteraceae) family, is May through August. The range of this species is Kern, Kings, and San Joaquin counties. Persistence of slough thistle is threatened by agriculture and non-native plants, and the population exhibits wide fluctuation (CNPS 2010).

**Santa Clara red ribbons (*Clarkia concinna* ssp. *automixa*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 4.3.** Santa Clara red ribbons is an annual herb in the evening-primrose family (Onagraceae) that blooms from May to June, and rarely as early as April or as late as July, depending on the microsite and annual climactic conditions. This species occurs in chaparral and cismontane woodland habitats in San Francisco Bay Area foothills at an elevational range of approximately 295 to 4950 ft. This species is currently endemic to Alameda and Santa Clara counties (CNPS 2010), although older records exist from Santa Cruz County.

**Small-flowered morning-glory (*Convolvulus simulans*).** **Federal Listing Status: None;**

**State Listing Status: None; CNPS List: 4.2.** Small-flowered morning-glory is an annual herb in the morning-glory family (Convolvulaceae) that blooms from March to July. It is found in clay soils in chaparral openings, coastal scrub, serpentinite seeps, and valley and foothill grassland habitats at elevations of 100 to 2310 ft (CNPS 2010). Contra Costa County represents the northern limit of the species' known range, but the species is also distributed across several counties in central and southern California including Fresno, Kern, Los Angeles, Orange, Riverside, Santa Barbara, San Benito, San Diego, San Joaquin, San Luis Obispo, and Stanislaus counties, as well as from San Clemente, Santa Catalina, and Santa Cruz Islands, and south into Baja California (CNPS 2010). It is most abundant in southern CA. Development threatens the persistence of this species.

**Mt. Hamilton coreopsis (*Coreopsis hamiltonii*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Mt. Hamilton coreopsis is an annual herb in the sunflower family (Asteraceae) that blooms from March to May. Mt. Hamilton coreopsis is known from fewer than 10 occurrences in the Mt. Hamilton Range (CNPS 2010). It is documented from seven USGS 7.5-minute quadrangles in Alameda, Santa Clara, and Stanislaus counties at elevations from 1804 to 4265 ft.

**Hospital Canyon larkspur (*Delphinium californicum* ssp. *interius*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Hospital Canyon larkspur inhabits a small endemic range covering the mid- and upper elevations of the inner Coast Ranges along the San Francisco Bay Area and south towards Mount Hamilton. Records exist from Alameda, Contra Costa, Merced, San Benito, Santa Clara, San Joaquin, and Stanislaus counties (CNPS 2010). The species is found in chaparral and cismontane woodland habitats at elevations of approximately 760 - 3615 ft. Hospital Canyon larkspur is a perennial herb in the buttercup (Ranunculaceae) family and blooms from April to June.

**Gypsum-loving larkspur (*Delphinium gypsophilum* ssp. *gypsophilum*). Federal Listing Status: None; State Listing Status: None; CNPS List: 4.2.** Gypsum-loving larkspur is a perennial herb in the buttercup family (Ranunculaceae) that blooms from February to May. This subspecies occurs in chenopod scrub, cismontane woodland, and valley and foothill grassland habitats from 328 to 2707 ft in elevation. It is a California endemic found in Alameda, Fresno, Kings, Kern, Madera, Merced, Monterey, San Benito, San Joaquin, San Luis Obispo, Stanislaus, and Ventura counties. Threats to the persistence of this species include road construction and maintenance, energy development, and grazing (CNPS 2010).

**Recurved larkspur (*Delphinium recurvatum*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Recurved larkspur is a perennial herb in the buttercup family (Ranunculaceae) that blooms from March to June. This species occurs in alkaline soils in chenopod scrub, cismontane woodland, and valley and foothill grassland habitats from 10 to 2461 ft in elevation. It is a widely distributed California endemic found in 67 USGS quadrangles in Alameda, Contra Costa, Fresno, Glenn, Kings, Kern, Madera, Merced, Monterey, San Joaquin, San Luis Obispo, Solano, and Tulare counties. It is extirpated from its historical range in Butte and Colusa counties. Threats to the persistence of this species include: habitat conversion to agriculture, grazing, and trampling (CNPS 2010).

**Diamond-petaled California poppy (*Eschscholzia rhombipetala*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.1.** Diamond-petaled California poppy is an annual herb in the poppy family (Papaveraceae) that blooms from March to April. This species occurs in alkaline, clayey soils in valley and foothill grassland habitats from 0 to 3200 ft in elevation. This California endemic has been documented in 12 USGS quadrangles in Alameda, San Joaquin, and San Luis Obispo counties. It is believed extirpated from Contra Costa, Colusa, and Stanislaus Counties. The plant was rediscovered on the Carrizo Plain in 1992, but has not been seen again since 1995. It was also found at Lawrence Livermore Laboratory Site in 1997. Agriculture and grazing threaten the persistence of this species (CNPS 2010).

**Talus fritillary (*Fritillaria falcata*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Talus fritillary is a bulbiferous herb in the lily family (Liliaceae) that blooms from March to May. This species is found in serpentinite, often talus-based soils in chaparral, cismontane woodland, and lower montane coniferous forest habitats from 984 to 5003 ft in elevation. This California endemic is documented in six USGS quadrangles in Alameda, Monterey, San Benito, Santa Clara, and Stanislaus Counties. Vehicles are a threat to the persistence of this species (CNPS 2010).

**Diablo helianthella (*Helianthella castanea*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Diablo helianthella is a perennial herb in the sunflower family (Asteraceae) that blooms from March to June. This species occurs in broadleaved upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, and valley and foothill grassland habitats from 197 to 4265 ft elevation. It is a California endemic found in 18 USGS quadrangles in Alameda, Contra Costa, San Diego, and San Mateo counties. It is believed to be extirpated in Marin and San Francisco counties. Persistence of this species is threatened by urbanization, grazing, fire suppression, and possibly roadside maintenance (CNPS 2010).

**Hogwallow starfish (*Hesperovax caulescens*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 4.2.** Hogwallow starfish is an annual herb in the sunflower family (Asteraceae). It grows in shallow vernal pools and mesic areas in valley and foothill grassland habitat with clayey soils. The blooming period extends from March through June. Populations are currently known from Alameda, Amador, Butte, Contra Costa, Colusa, Fresno, Glenn, Kern, Merced, Monterey, Sacramento, San Joaquin, San Luis Obispo, Solano, Stanislaus, Sutter, Tehama, and Yolo counties from elevations up to 1657 ft (CNPS 2010). Persistence of Hogwallow starfish is most threatened by development and agricultural activities.

**Napa western flax (*Hesperolinon serpentinum*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.1.** Napa western flax is an annual herb in the flax family (Linaceae) that blooms from May to July. This species only occurs in serpentinite soils in chaparral at elevations from 164 to 2625 ft. It is a California endemic found in 14 USGS quadrangles in Alameda, Lake, Napa, and Stanislaus counties. Brush agriculture, clearing, and grading threaten the persistence of this species (CNPS 2010).

**Woolly rose-mallow (*Hibiscus lasiocarpus* var. *occidentalis*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Woolly rose-mallow is a rhizomatous emergent herb in the mallow family (Malvaceae) that blooms from June to September. This species occurs

in freshwater marshes and swamps at elevations from 0 to 394 ft. It is a California endemic found in Butte, Contra Costa, Colusa, Glenn, Sacramento, San Joaquin, Solano, Sutter, and Yolo counties. Most populations are very small. Persistence of this species is threatened by habitat disturbance, development, agriculture, recreational activities, and channelization of the Sacramento River and its tributaries. Its persistence is also threatened by weed control measures and erosion (CNPS 2010).

**Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Delta tule pea is a glabrous climbing perennial herb in the legume family (Fabaceae) that blooms from May to September. It is endemic to California and is known from Contra Costa, Napa, Sacramento, San Joaquin, Solano, and Sonoma counties. It is found in freshwater and brackish marshes and swamps, at elevations of 0 to 13 ft. Most populations are small. Persistence of this species is threatened by agriculture, water diversions, and erosion (CNPS 2010).

**Serpentine leptosiphon (*Leptosiphon ambiguus*, formerly *Linanthus ambiguus*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 4.2.** This annual herb in the phlox (Polemoniaceae) family occurs in a tight, endemic range centered around the San Francisco Bay Area. Populations occur in Alameda, Contra Costa, Merced, San Benito, Santa Clara, Santa Cruz, San Joaquin, San Mateo, and Stanislaus counties, although CNPS (2008) expects this species to also occur in adjacent counties. Serpentine leptosiphon is usually found within serpentine areas within cismontane woodland, coastal scrub, and valley and foothill grasslands from 395 to 3730 ft (CNPS 2010). This species blooms from March to June. Persistence of this species is threatened by habitat alteration and invasion of habitat by non-native plants.

**Delta mudwort (*Limosella subulata*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 2.1.** Delta mudwort is a stoloniferous herb in the figwort family (Scrophulariaceae) that blooms from May to August. This plant grows in marshes and swamps at elevations between 0 and 10 ft (CNPS 2010). Delta mudwort is known to occur from several occurrences in the Delta region of Contra Costa, Marin, Sacramento, San Joaquin, and Solano Counties, as well as Oregon State. Persistence of this species is threatened by habitat destruction (CNPS 2010).

**Mt. Diablo phacelia (*Phacelia phacelioides*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Mt. Diablo phacelia is an annual herb in the waterleaf family (Hydrophyllaceae) that blooms from April through May. This species occurs in rocky areas of chaparral and cismontane woodlands at elevations of approximately 1650 to 4525 ft. It is found in eight USGS 7.5-minute quadrangles in Contra Costa, San Benito, Santa Clara, and Stanislaus counties. Overall, Mt. Diablo phacelia is known from fewer than twenty occurrences, many of which are historical and need field surveys. Persistence of this species is possibly threatened by foot traffic and trail construction. (CNPS 2010).

**Sanford's arrowhead (*Sagittaria sanfordii*).** **Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Sanford's arrowhead is an emergent rhizomatous herb belonging to the water plantain family (Alismataceae) that blooms from May to October. This

plant occurs in standing or slow-moving freshwater ponds, marshes, and ditches at elevations between 0 and 2133 ft. This species has been reported from Butte, Del Norte, El Dorado, Fresno, Merced, Mariposa, Orange, Placer, Sacramento, Shasta, San Joaquin, Tehama, and Ventura counties. Sanford's arrowhead is extirpated from southern California (Orange and Ventura counties) and is mostly extirpated from its historical range in the Central Valley. Persistence of this species is threatened by grazing, development, recreational activities, non-native plants, road widening, and channel alteration (CNPS 2010).

**Marsh skullcap (*Scutellaria galericulata*). Federal Listing Status: None; State Listing Status: None; CNPS List: 2.2.** Marsh skullcap is a rhizomatous herb belonging to the mint family (Lamiaceae) that blooms from June to September. This plant occurs in lower montane coniferous forest, meadows and seeps, and marshes and swamps at elevations between 0 and 6890 ft. This species has been reported from El Dorado, Lassen, Modoc, Nevada, Placer, Plumas, Shasta, Siskiyou, and San Joaquin counties, as well as Oregon and elsewhere (CNPS 2010).

**Rayless ragwort (*Senecio aphanactis*). Federal Listing Status: None; State Listing Status: None; CNPS List: 2.2.** Rayless ragwort is an annual herb in the sunflower family (Asteraceae). It grows in chaparral, cismontane woodland, and coastal scrub habitats, and can bloom from January to April. Populations have been recorded from 50-2625 ft in elevation (CNPS 2010). The geographic range includes Alameda, Contra Costa, Fresno, Los Angeles, Merced, Monterey, Orange, Riverside, Santa Barbara, Santa Clara, San Diego, San Luis Obispo, Solano, and Ventura counties. Populations have also been recorded on Santa Catalina Island, Santa Cruz Island, and Santa Rosa Island, although strangely the species was not detected on Santa Cruz Island from 1934 to 1991 (CNPS 2010), possibly indicating a long-lived seed bank.

**Suisun Marsh aster (*Aster lentus* = *Symphyotrichum lentum*). Federal listing Status: None; State Listing Status: None; CNPS List: 1B.2.** Suisun Marsh aster is a perennial, rhizomatous herb in the composite family (Asteraceae) that blooms from May to November. It occurs in brackish and freshwater marshes and swamps at or near sea level (0 to 10 ft). The range of this species includes Contra Costa, Napa, Sacramento, San Joaquin, and Solano counties. Persistence of the Suisun marsh aster is threatened by marsh habitat alteration and loss, erosion, and possibly herbicide application (CNPS 2010).

**Wright's trichocoronis (*Trichocoronis wrightii* var. *wrightii*). Federal Listing Status: None; State Listing Status: None; CNPS List: 2.1.** Wright's trichocoronis is an annual herb belonging to the composite family (Asteraceae) that blooms from May to September. This plant occurs in meadows and seeps, marshes and swamps, riparian forests, and alkaline vernal pools, at elevations between 16 and 1427 ft. The range of this species includes Colusa, Merced, Riverside, San Joaquin, and Sutter counties, but is thought to be extirpated from all but Merced and Riverside Counties in California. Persistence of Wright's trichocoronis is threatened habitat loss to agriculture and urbanization (CNPS 2010).

**Caper-fruited tropidocarpum (*Tropidocarpum capparideum*). Federal Listing Status: None; State Listing Status: None; CNPS List: 1B.1.** Caper-fruited tropidocarpum is an annual herb belonging to the mustard family (Brassicaceae) that blooms from March to April. This

plant occurs in alkaline clay soils in valley and foothill grasslands, at elevations between 3 and 1493 ft. Caper-fruited tropidocarpum was thought to be extinct, but in 2000 was rediscovered on Ft. Hunter Liggett (DOD). Historic occurrences are reported from Alameda, Contra Costa, Fresno, Glenn, Monterey, Santa Clara, San Joaquin, and San Luis Obispo counties. Persistence of this species is possibly threatened by grazing, military activities, trampling, and non-native plants (CNPS 2010).

**APPENDIX C-4**

**USFWS Standard Recommendations for Protection of the San Joaquin Kit Fox Prior to or  
During Ground Disturbance**

**U.S. FISH AND WILDLIFE SERVICE  
STANDARDIZED RECOMMENDATIONS  
FOR PROTECTION OF THE SAN JOAQUIN KIT FOX  
PRIOR TO OR DURING GROUND DISTURBANCE**

Prepared by the Sacramento Fish and Wildlife Office  
June 1999

## **INTRODUCTION**

The following document includes many of the San Joaquin kit fox (*Vulpes macrotis mutica*) protection measures typically recommended by the U. S. Fish and Wildlife Service (Service), prior to and during ground disturbance activities. However, incorporating relevant sections of these guidelines into the proposed project is not the only action required under the Endangered Species Act of 1973, as amended (Act). Project applicants should contact the Service in Sacramento to determine the full range of requirements that apply to your project; the address and telephone number are given at the end of this document. Formal authorization for the project may be required under either section 7 or section 10 of the Act. Implementation of the measures presented in this document may be necessary to avoid violating the provisions of the Act, including the prohibition against "take" (defined as killing, harming, or harassing a listed species, including actions that damage or destroy its habitat). Such protection measures may also be required under the terms of a biological opinion pursuant to section 7 of the Act resulting in incidental take authorization (authorization), or an incidental take permit (permit) pursuant to section 10 of the Act. The specific measures implemented to protect kit fox for any given project shall be determined by the Service based upon the applicant's consultation with the Service.

The purpose of this document is to make information on kit fox protection strategies readily available and to help standardize the methods and definitions currently employed to achieve kit fox protection. The measures outlined in this document are subject to modification or revision at the discretion of the Service.

All surveys, den destructions, and monitoring described in this document must be conducted by a qualified biologist. A qualified biologist (biologist) means any person who has completed at least four years of university training in wildlife biology or a related science and/or has demonstrated field experience in the identification and life history of the San Joaquin kit fox. In addition, biologist(s) must be able to identify coyote, red fox, gray fox, and kit fox tracks, and to have seen a kit fox in the wild, at a zoo, or as a museum mount.

## **SMALL PROJECTS**

Small projects are considered to be those projects with small foot prints such as an individual in-fill oil well, communication tower, or bridge repair. These projects must stand alone and not be part of, or in any way connected to larger projects (i.e., bridge repair or improvement to serve a

future urban development). The Service recommends that on these small projects, the biologist survey the proposed project boundary and a 200-foot area outside of the project footprint to identify habitat features, and make recommendations on situating the project to minimize or avoid impacts. If habitat features cannot be completely avoided, then preconstruction surveys should be conducted.

Preconstruction/preactivity surveys shall be conducted no less than 14 days and no more than 30 days prior to the beginning of ground disturbance and/or construction activities or any project activity likely to impact the San Joaquin kit fox. Surveys should identify kit fox habitat features on the project site and evaluate use by kit fox and, if possible, and assess the potential impacts to the kit fox by the proposed activity. The status of all dens should be determined and mapped (see Survey Protocol).

Written results of preconstruction/preactivity surveys must be received by the Service within five days after survey completion and prior to the start of ground disturbance and/or construction activities. If a natal/pupping den is discovered within the project area or within 200-feet of the project boundary, the Service shall be immediately notified. If the preconstruction/preactivity survey reveals an active natal pupping or new information, the project applicant should contact the Service immediately to obtain the necessary take authorization/permit.

If take authorization/permit has already been issued, then the biologist may proceed with den destruction within the project boundary, except natal/pupping dens (active or inactive). Protective exclusion zones can be placed around all known and potential dens which occur outside the project footprint (conversely, the project boundary can be demarcated, see den destruction section).

## **OTHER PROJECTS**

It is likely that all other projects occurring within kit fox habitat will require a take authorization/permit from the Service. This determination would be made by the Service during the early evaluation process (see Survey Protocol). These other projects would include, but are not limited to: linear projects; projects with large footprints such as urban development; and projects which in themselves may be small but have far reaching impacts (i.e., water storage or conveyance facilities that promote urban growth or agriculture, etc.).

The take authorization/permit issued by the Service may incorporate some or all of the protection measures presented in this document. The take authorization/permit may include measures specific to the needs of the project, and those requirements supersede any requirements found in this document.

## EXCLUSION ZONES

The configuration of exclusion zones around the kit fox dens should have a radius measured outward from the entrance or cluster of entrances. The following radii are minimums, and if they cannot be followed the Service must be contacted:

Potential den	50 feet
Known den	100 feet
Natal/pupping den (occupied <u>and</u> unoccupied)	Service must be contacted
Atypical den	50 feet

Known den: To ensure protection, the exclusion zone should be demarcated by fencing that encircles each den at the appropriate distance and does not prevent access to the den by kit foxes. Exclusion zone fencing should be maintained until all construction related or operational disturbances have been terminated. At that time, all fencing shall be removed to avoid attracting subsequent attention to the dens.

Potential and Atypical dens: Placement of 4-5 flagged stakes 50 feet from the den entrance(s) will suffice to identify the den location; fencing will not be required, but the exclusion zone must be observed.

Construction and other project activities should be prohibited or greatly restricted within these exclusion zones. Only essential vehicle operation on existing roads and foot traffic should be permitted. Otherwise, all construction, vehicle operation, material storage, or any other type of surface-disturbing activity should be prohibited within the exclusion zones.

## DESTRUCTION OF DENS

Disturbance to all San Joaquin kit fox dens should be avoided to the maximum extent possible. Protection provided by kit fox dens for use as shelter, escape, cover, and reproduction is vital to the survival of the species. Limited destruction of kit fox dens may be allowed, if avoidance is not a reasonable alternative, provided the following procedures are observed. The value to kit foxes of potential, known, and natal/pupping dens differ and therefore, each den type needs a different level of protection. **Destruction of any known or natal/pupping kit fox den requires take authorization/permit from the Service.**

Natal/pupping dens: Natal or pupping dens which are occupied will not be destroyed until the pups and adults have vacated and then only after consultation with the Service. Therefore, project activities at some den sites may have to be postponed.

Known Dens: Known dens occurring within the footprint of the activity must be monitored for three days with tracking medium or an infra-red beam camera to determine the current use. If no kit fox activity is observed during this period, the den should be destroyed immediately to preclude subsequent use. If kit fox activity is observed at the den during this period, the den should be monitored for at least five consecutive days from the time of the observation to allow any resident animal to move to another den during its normal activity. Use of the den can be discouraged during this period by partially plugging its entrances(s) with soil in such a manner that any resident animal can escape easily. Only when the den is determined to be unoccupied may the den be excavated under the direction of the biologist. If the animal is still present after five or more consecutive days of plugging and monitoring, the den may have to be excavated when, in the judgment of a biologist, it is temporarily vacant, for example during the animal's normal foraging activities. The Service encourages hand excavation, but realizes that soil conditions may necessitate the use of excavating equipment. However, extreme caution must be exercised.

Destruction of the den should be accomplished by careful excavation until it is certain that no kit foxes are inside. The den should be fully excavated, filled with dirt and compacted to ensure that kit foxes cannot reenter or use the den during the construction period. If at any point during excavation a kit fox is discovered inside the den, the excavation activity shall cease immediately and monitoring of the den as described above should be resumed. Destruction of the den may be completed when in the judgement of the biologist, the animal has escaped from the partially destroyed den.

Potential Dens: If a take authorization/permit has been obtained from the Service, den destruction may proceed without monitoring, unless other restrictions were issued with the take authorization/permit. If no take authorization/permit has been issued, then potential dens should be monitored as if they were known dens. If any den was considered to be a potential den, but is later determined during monitoring or destruction to be currently, or previously used by kit fox (e.g., if kit fox sign is found inside), then destruction shall cease and the Service shall be notified immediately.

## **CONSTRUCTION AND OPERATIONAL REQUIREMENTS**

Habitat subject to permanent and temporary construction disturbances and other types of project-related disturbance should be minimized. Project designs should limit or cluster permanent project features to the smallest area possible while still permitting project goals to be achieved. To minimize temporary disturbances, all project-related vehicle traffic should be restricted to established roads, construction areas, and other designated areas. These areas should also be

included in preconstruction surveys and, to the extent possible, should be established in locations disturbed by previous activities to prevent further impacts.

1. Project-related vehicles should observe a 20-mph speed limit in all project areas, except on county roads and State and Federal highways; this is particularly important at night when kit foxes are most active. To the extent possible, night-time construction should be minimized. Off-road traffic outside of designated project areas should be prohibited.
2. To prevent inadvertent entrapment of kit foxes or other animals during the construction phase of a project, all excavated, steep-walled holes or trenches more than 2 feet deep should be covered at the close of each working day by plywood or similar materials, or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they should be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the procedures under number 13 of this section must be followed.
3. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipe becoming trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods should be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a kit fox is discovered inside a pipe, that section of pipe should not be moved until the Service has been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved once to remove it from the path of construction activity, until the fox has escaped.
4. All food-related trash items such as wrappers, cans, bottles, and food scraps should be disposed of in closed containers and removed at least once a week from a construction or project site.
5. No firearms shall be allowed on the project site.
6. To prevent harassment, mortality of kit foxes or destruction of dens by dogs or cats, no pets should be permitted on project sites.
7. Use of rodenticides and herbicides in project areas should be restricted. This is necessary to prevent primary or secondary poisoning of kit foxes and the depletion of prey populations on which they depend. All uses of such compounds should observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and Federal legislation, as well as additional project-related restrictions deemed necessary by the Service. If rodent control

must be conducted, zinc phosphide should be used because of proven lower risk to kit fox.

8. A representative shall be appointed by the project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox or who finds a dead, injured or entrapped individual. The representative will be identified during the employee education program. The representative's name and telephone number shall be provided to the Service.
9. An employee education program should be conducted for any project that has expected impacts to kit fox or other endangered species. The program should consist of a brief presentation by persons knowledgeable in kit fox biology and legislative protection to explain endangered species concerns to contractors, their employees, and military and agency personnel involved in the project. The program should include the following: a description of the San Joaquin kit fox and its habitat needs; a report of the occurrence of kit fox in the project area; an explanation of the status of the species and its protection under the Endangered Species Act; and a list of measures being taken to reduce impacts to the species during project construction and implementation. A fact sheet conveying this information should be prepared for distribution to the above-mentioned people and anyone else who may enter the project site.
10. Upon completion of the project, all areas subject to temporary ground disturbances, including storage and staging areas, temporary roads, pipeline corridors, etc. should be re-contoured if necessary, and revegetated to promote restoration of the area to pre-project conditions. An area subject to "temporary" disturbance means any area that is disturbed during the project, but that after project completion will not be subject to further disturbance and has the potential to be revegetated. Appropriate methods and plant species used to revegetate such areas should be determined on a site-specific basis in consultation with the Service, California Department of Fish and Game (CDFG), and revegetation experts.
11. In the case of trapped animals, escape ramps or structures should be installed immediately to allow the animal(s) to escape, or the Service should be contacted for advice.
12. Any contractor, employee, or military or agency personnel who inadvertently kills or injures a San Joaquin kit fox shall immediately report the incident to their representative. This representative shall contact the CDFG immediately in the case of a dead, injured or entrapped kit fox. The CDFG contact for immediate assistance is State Dispatch at (916) 445-0045. They will contact the local warden or biologist.
13. The Sacramento Fish and Wildlife Office and CDFG will be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during

project related activities. Notification must include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information. The Service contact is the Chief of the Division of Endangered Species, at the addresses and telephone numbers given below. The CDFG contact is Mr. Ron Schlorff at 1416 9<sup>th</sup> Street, Sacramento, California 95814, (916) 654-4262.

Any project-related information required by the Service or questions concerning the above conditions or their implementation may be directed in writing to the U.S. Fish and Wildlife Service at:

Endangered Species Division  
2800 Cottage Way, Suite W2605  
Sacramento, California 95825-1846  
(916) 414-6620

"Take" - Section 9 of the Endangered Species Act of 1973, as amended (Act) prohibits the "take" of any federally listed endangered species by any person (an individual, corporation, partnership, trust, association, etc.) subject to the jurisdiction of the United States. As defined in the Act, take means " . . . to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct." Thus, not only is a listed animal protected from activities such as hunting, but also from actions that damage or destroy its habitat.

"Dens" - San Joaquin kit fox dens may be located in areas of low, moderate, or steep topography. Den characteristics are listed below, however, the specific characteristics of individual dens may vary and occupied dens may lack some or all of these features. Therefore, caution must be exercised in determining the status of any den. Typical dens may include the following: (1) one or more entrances that are approximately 5 to 8 inches in diameter; (2) dirt berms adjacent to the entrances; (3) kit fox tracks, scat, or prey remains in the vicinity of the den; (4) matted vegetation adjacent to the den entrances; and (5) manmade features such as culverts, pipes, and canal banks.

"Known den" - Any existing natural den or manmade structure that is used or has been used at any time in the past by a San Joaquin kit fox. Evidence of use may include historical records, past or current radiotelemetry or spotlighting data, kit fox sign such as tracks, scat, and/or prey remains, or other reasonable proof that a given den is being or has been used by a kit fox. The Service discourages use of the terms "active" and "inactive" when referring to any kit fox den because a great percentage of occupied dens show no evidence of use, and because kit foxes change dens often, with the result that the status of a given den may change frequently and abruptly.

"Potential Den" - Any subterranean hole within the species' range that has entrances of appropriate dimensions for which available evidence is insufficient to conclude that it is being used or has been used by a kit fox. Potential dens shall include the following: (1) any suitable subterranean hole; or (2) any den or burrow of another species (e.g., coyote, badger, red fox, or ground squirrel) that otherwise has appropriate characteristics for kit fox use.

"Natal or Popping Den" - Any den used by kit foxes to whelp and/or rear their pups. Natal/popping dens may be larger with more numerous entrances than dens occupied exclusively by adults. These dens typically have more kit fox tracks, scat, and prey remains in the vicinity of the den, and may have a broader apron of matted dirt and/or vegetation at one or more entrances. A natal den, defined as a den in which kit fox pups are actually whelped but not necessarily reared, is a more restrictive version of the popping den. In practice, however, it is difficult to distinguish between the two, therefore, for purposes of this definition either term applies.

"Atypical Den" - Any manmade structure which has been or is being occupied by a San Joaquin kit fox. Atypical dens may include pipes, culverts, and diggings beneath concrete slabs and buildings.

*Appendix D*

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Cultural Resources Data

**CULTURAL RESOURCE ASSESSMENT  
OF THE FILIOS/DOBLER ANNEXATION,  
TRACY , SAN JOAQUIN  
COUNTY, CALIFORNIA**

Prepared for

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Prepared by

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December 13, 2010  
(Job #10-086)

## INTRODUCTION

The project involves annexation of a project area of about 40 acres to the City of Tracy. It also includes an amendment to the City General Plan land use designation; an amendment to the I-205 Specific Plan to add the Project site to the Specific Plan area and designate it GC; and Rezoning the Project site PUD. Although no specific development plan has been submitted as yet, for the purposes of the cultural resources assessment we have assumed that all land within the project area will be subject to impact unless specifically protected.

The project is located in Township 2 South, Range 4 East, Sections 13 and 24 and is mapped on of the United States Geological Survey (USGS) Union Island 7.5 minute series topographic, which is the base for Map 1.

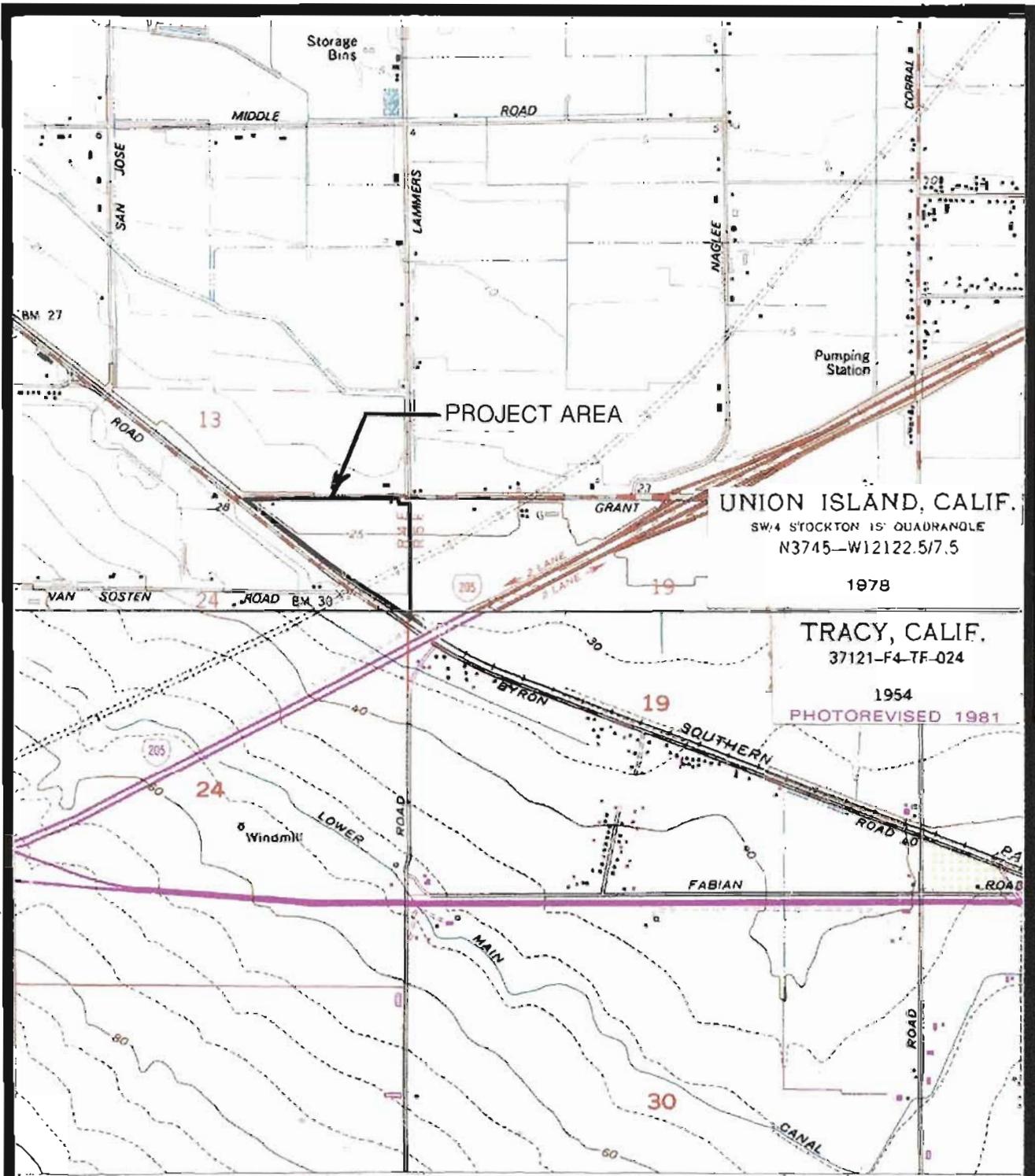
Melinda A. Peak, Senior Historian, Peak & Associates, Inc. was the Principal Investigator for the study and Robert A. Gerry, Senior Archeologist, Peak & Associates, Inc. Conducted the field inspection (resumes, Appendix A).

## REGULATORY CONTEXT

### State Regulations

For the purposes of CEQA, an historical resource is a resource listed in, or determined eligible for listing in the California Register of Historical Resources (CRHR). When a project will impact a site, it needs to be determined whether the site is an historical resource, which is defined as any site which:

- (A.) Is historically or archeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political or cultural annals of California; and
- (B) Meets any of the following criteria:
  - 1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
  - 2. Is associated with the lives of persons important in our past;



UNION ISLAND, CALIF.  
 SW/4 STOCKTON 15' QUADRANGLE  
 N3745-W12122.5/7.5  
 1978

TRACY, CALIF.  
 37121-F4-TF-024  
 1954  
 PHOTOREVISED 1981

SCALE 1:24000



CONTOUR INTERVAL 5 FEET

BASE MAP IS MAPPED, EDITED AND PUBLISHED BY THE U.S. GEOLOGICAL SURVEY



MAP 1

3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. Has yielded, or may be likely to yield, information important in prehistory or history.

## **CULTURAL HISTORY**

### **Archeological Background**

Between 1893 and 1901, J.A. Barr (an avocational archeologist) excavated many prehistoric mounds in the Stockton area. He collected nearly 2000 artifacts during the course of his uncontrolled digging. H.C. Meredith was another avocational, who also pursued collecting in the same Stockton locality. Meredith (1899, 1900) did publish a compilation of his own and Barr's findings, and these appear to constitute the earliest accounts of Delta "archeology." Holmes (1902), from the Smithsonian Institution, further elaborated on the Delta or Stockton District archeology and presented illustrations of artifacts collected by Meredith and Barr. It was Elmer J. Dawson who first recognized that there had been cultural changes through time in the northern San Joaquin Valley locale. Although he was also an avocationalist, Dawson understood the necessity of keeping accurate notes on grave associations and provenience of artifacts. He collaborated with W.E. Schenck to produce an overview of northern San Joaquin Valley archeology (Schenck and Dawson 1929). The overview contained information on over 90 prehistoric sites as well as data on all previous collectors.

By 1931, the focus of archeological work was directed towards the Cosumnes River locality, where survey and exploration were conducted by Sacramento Junior College (Lillard and Purves 1936). Excavation data, in particular from the stratified Windmill site (CA-SAC-107), suggested three temporally distinct cultural traditions: Early, Transitional, and Late. As data accumulated from the excavation of other mounds in the Delta and lower Sacramento Valley by Sacramento Junior College and the University of California, Berkeley, research horizons expanded.

In 1939, Lillard, Heizer, and Fenenga presented the concept of a tripartite or three-horizon cultural sequence, with a fourth horizon representing the historic or post-contact period. The sequence was based on discrete changes in ornamental artifacts, projectile point types, other tool forms, mortuary practices, and on observed differences in soils within the sites. The authors did not attempt to assign dates to the three horizons, but they did discuss the progressive degree of bone mineralization from the Late to the Early Horizon. They also directed attention to the increased soil induration in the same order as the three Horizons -- Early Horizon, 2500 B.C.; Middle Horizon, 1500 B.C.; and Late Horizon, A.D. 500. They based their argument on an assessment of artifactual cross-dating, soil development, and stratigraphy.

Beardsley (1954) later refined the sequence, as have other investigators concerned with the prehistory of the region. Beardsley's revisions of the Delta sequence extended this system to include the San Francisco Bay region. Other studies by Heizer (1949) and Ragir (1972) focused on an elaboration and refinement of the Early Horizon. The Middle Horizon and the Late Horizon unfortunately have not been as well defined. Ragir (1972) proposed to substitute alternative designations: Windmill Culture for Early Horizon, Cosumnes Culture for Middle Horizon, and Hotchkiss Culture for the Late Horizon. She argued that these new designations provided a more flexible system to accommodate new developments that might be discovered.

The Windmill Culture (Early Horizon) is characterized by ventrally-extended burials (some dorsal extensions are known), with westerly orientation of heads, a high percentage of burials with grave goods, frequent presence of red ochre in graves, large projectile points (of which 60 percent are of materials other than obsidian), rectangular *Haliotis* beads, *Olivella* shell beads (types A1a and L), rare use of bone, some use of baked clay objects, and well-fashioned charmstones, usually perforated.

The Cosumnes Culture (Middle Horizon) displays considerable changes from the preceding cultural expression. The burial mode is predominately flexed, with variable cardinal orientation and with some cremations present. A lower percentage of burials with grave goods, with ochre staining common in graves, *Olivella* beads of types C1, F, and G, abundant use of green *Haliotis* sp. rather than red *Haliotis* sp., perforated canid teeth, asymmetrical and "fishtail" charmstones that are usually unperforated. Other diagnostic features include cobble mortars and evidence of wooden mortars, extensive use of bone for tools and ornaments, large projectile points with considerable use of rock other than obsidian, and use of baked clay.

For Hotchkiss Culture (Late Horizon), the burial pattern retains the use of the flexed mode, and there is widespread evidence of cremation, lesser use of red ochre, heavy use of baked clay, *Olivella* beads of types E and M, extensive use of *Haliotis* ornaments of many elaborate shapes and forms, shaped mortars and cylindrical pestles, bird bone tubes with elaborate geometric designs, and clam shell disc beads. Other traits include small projectile points that indicate the introduction of the bow and arrow, flanged tubular pipes of steatite and schist, and use of magnesite (Moratto 1984:181-183). The characteristics noted are not all inclusive, but cover the more important traits.

Schulz (1981), in an extensive examination of the central California evidence for the use of acorns, used the terms Early, Middle, and Late complexes. While the reference is not altogether clear, Schulz seemingly uses the term "complex" to refer to particular archeological entities, above called "Horizons," as defined in this region. Ragir's (1972) cultures are the same as Schulz's term complexes.

Bennyhoff and Hughes (1984) have presented alternative dating schemes for the Central California Archeological Sequence. The primary emphasis is a more elaborate division of the horizons to reflect what is seen as cultural/temporal changes within the three horizons and a compression of the temporal span.

Other chronologies proposed have been suggested. Fredrickson (1973) makes an important proposal that is correlated with Bennyhoff's (1977) recent work. The particular archeological cultural entities Fredrickson defines, based on the work of Bennyhoff, are patterns, phases, and aspects. Bennyhoff's (1977) work in the Plains Miwok area is the best definition of the Cosumnes District, which most likely conforms to Fredrickson's term pattern. The interested reader can refer to Fredrickson for full details of the entities. Fredrickson also proposes periods of time associated heavily with economic modes, and thus provides a temporal term for comparing contemporary cultural entities. This scheme corresponds with Willey and Phillips' (1958) earlier "tradition," although tied more specifically to the archeological record in California.

#### Period and Approximate Starting Date

<b>Fredrickson</b>	<b>Bennyhoff, Heizer, and Schulz</b>
Upper Emergent -- A.D. 1500	Phase 2, Late Horizon -- A.D. 1500
Lower Emergent -- A.D. 300	Phase 1, Late Horizon -- A.D. 500
Upper Archaic -- 2000 B.C.	Middle Horizon -- 1000 B.C.
Lower Archaic -- 6000 B.C.	Early Horizon -- 2500 B.C.
Paleo-Indian -- 10,000 B.C.	
Early Lithic-- ?	

From: Bennyhoff and Heizer 1958; Fredrickson 1973; Schulz 1981

Although the Central California Taxonomic System has some application to other areas of prehistoric central California, there are distinct temporal and spatial limits. There is an increasing recognition of these limits as archeologists have found their date simply does not fit this scheme comfortably. This problem is particularly apparent for the San Francisco Bay region. Nevertheless, the system is still widely used despite the many attempts to find new integrative models for both regional and area syntheses (Moratto 1984:237).

### **Ethnology**

The Project lies within the ethnographic territory of the Yokuts people. The Yokuts were members of the Penutian language family which held all of the Central Valley, San Francisco Bay Area, and the Pacific Coast from Marin County to near Point Sur. The Yokuts differed from other ethnographic groups in California as they had true tribal divisions with group names (Kroeber 1925). Each tribe spoke a particular dialect, common to its members, but similar enough to other Yokuts that they were mutually intelligible (Kroeber 1925).

The Yokuts held portions of the San Joaquin Valley from the Tehachapis in the south to Stockton in the north. On the north they were bordered by the Plains Miwok, on the west by the Saclan or Bay Miwok and Costonoan peoples. Although neighbors were often from distinct language families, differences between the people appear to have been more influenced by environmental factors as

opposed to linguistic affinities. Thus the Plains Miwok were more similar to the nearby Yokuts than to foothill members of their own language group. Similarities in cultural inventory co-varied with distance from other groups and proximity to culturally diverse people. The material culture of the southern San Joaquin Yokuts was therefore more closely related to that of their non-Yokuts neighbors than to that of Delta members of their own language group.

The best estimates place the pre-contact population for each of the southern tribes at 350 persons. For the northern groups, population figures have been calculated on the basis of average population density per square mile. The highest density was 10+ persons per square mile, according to these figures, achieved along major drainages. On the plains, primarily east of the San Joaquin River, the average density was only two to three persons per square mile, while even fewer persons occupied the drier foothills to the west of the valley (Wallace 1978a:448; Wallace 1978b:462).

The archeology of the northernmost San Joaquin Valley suggests that the Yokuts were relative latecomers to the area. Cultural differentiation from the Plains Miwok culture occurred before A.D. 1500. Artifacts recovered from sites in the western side of the San Joaquin Valley in Merced and Fresno counties have been assigned to the time between A.D. 1500-1600 and the beginning of contact with the Spanish. Linguistic data suggest that the Northern Valley Yokuts were pressured by their eastern neighbors -- the Monache -- who moved down the Sierra foothills and caused Yokuts to spread northward across the valley into what had formerly been Costanoan and Miwok territory. This territorial shift took place over a span of two hundred years, leaving the Yokuts well-established in the San Joaquin Valley before the first Spanish expeditions (Wallace 1978b:463). The Southern Valley Yokuts may have been established in their ethnographic territory somewhat earlier, perhaps as early as 2000 years ago, although physical signs of human occupation near Buena Vista Lake have been dated at 6000 B.C. (Wallace 1978a:449).

The most northern Yokuts tribes subsisted in much the same way as did their Bay Miwok neighbors, who relied heavily on acorn and salmon as dietary staples. Because of their dependence on riverine resources, the Northern Yokuts situated large villages near the San Joaquin River and its tributaries. They built their villages on low mounds to protect them from seasonal flooding caused by rains and rivers swollen by melting Sierran snows. To the west side of the valley, the Yokuts concentrated in smaller settlements along semipermanent drainages in the foothills (Wallace 1978b:463-464). Southern tribes also concentrated along waterways and near the marshes where waterfowl and fish were plentiful (Wallace 1978a:449-450).

Geese, ducks, mudhens, and other waterfowl provided a substantial portion of Yokuts diet. Birds were easy prey for hunters who lured them with decoys and caught them with specialized techniques. They also raided eggs from the nests. Seeds of grasses, tule, and flowering herbs added variety to Yokuts meals. The Yokuts ate tender leaves and stems of clover, fiddle-neck, alfilaria, other plants, and gathered roots of grassnuts and tule. Like the neighboring Costanoans, the Yokuts practiced controlled plant management by burning vegetation (Wallace 1978a:450; 1978b:464). Hunting large mammals apparently was less important to sustain the Yokuts, although they did hunt antelope and elk. Hunters disguised themselves and waited for the animals to come to lakes or sloughs to drink,

then snared individual animals or shot into the herd and turned the fleeing animals into fenced enclosures. The Yokuts organized communal jackrabbit drives and snared small animals and some birds (Latta 1949:141-143; Wallace 1978a:450).

Northern Yokuts built small houses with tule mats that covered wooden frameworks. These dwellings were round to oval, 25 to 40 feet in diameter, with hard-packed dirt floors excavated two feet below ground level, and served as single-family dwellings. The southern tribes also built large, gable-roofed communal residences that were partitioned to accommodate ten or more families. These structures were covered with tule stalks sewn together. In some instances, one house sheltered the people of an entire village. Earth-covered sweathouses, which measured up to 15 feet in length, were used by men for daily sweatbaths and in winter for sleeping. Latta (1949:96-97) recounted that sweathouses were built at the downstream limits of a village so that the bathing would not contaminate the water used by the villagers. Northern villages featured very large earth-covered assembly structures, but southern villages did not include these ceremonial buildings. One communal structure found at a village site on Los Banos Creek measured 84 by 93 feet (Kroeber 1925:521-523; Latta 1949:87-97; Wallace 1978a:450-451; 1978b:464-465). Arrangement of the buildings in a village was orderly, as Stephen Powers described:

*(The Yokuts) display in their encampments a military precision and regularity which are remarkable. Every village consists of a single row of wigwams, conical or wedge-shaped, generally made of tule, and just enough hollowed out within so that the inmates may sleep with the head higher than the feet, all in perfect alignment, and with a continuous awning of brushwood stretching along in front. In one end-wigwam the village captain; in the other, the shaman or si-se'ro (Spanish, hechizero). In the mountains there is some approach to this martial array, but it is universal on the plains [Powers 1877:370-371].*

Latta (1949:99) reported that a village of 200 to 300 Yokuts might have four or five large houses that were used for ten or twelve years or until a family member died, and which time the Indians burned the house in which the death had occurred. If a sick or aged person died outside the dwelling, the family did not burn the house. When a Northern Yokuts died, his body was cremated or buried in a flexed position. Southern tribes normally buried their dead, although they did cremate shamans, persons who died away from their village and, among the Tachi, persons of great importance (Wallace 1978b:468).

The most devastating impacts of the Spanish colonization effort were not the result of military conflicts, but came from Old World diseases newly introduced to the native people. Three major epidemics swept through the missions: a respiratory virus at Mission Santa Clara in 1777, pneumonia and diphtheria that killed children from Mission San Carlos to San Luis Obispo, and the devastating measles epidemic that killed at least 1600 natives at missions from San Francisco to Santa Barbara (Castillo 1978:103). These epidemics at the missions were followed in 1833 by a severe malaria epidemic that claimed thousands of lives and virtually destroyed many villages and tribes. Up to three-quarters of the population in the San Joaquin Valley was killed by this contagious

disease, which was brought to California by a party of Hudson's Bay Company fur trappers from the Oregon country. In 1834, the Mexican government desecularized the missions and many of the Indian residents returned to their former territories, where they survived by a combination of strategies that included traditional hunting and gathering and livestock raiding (Wallace 1978a:459-460; Wallace 1978b:468-469).

## **History**

In 1848, after James Marshall discovered gold at Sutter's Mill in Coloma, thousands of people flocked to California to seek their fortunes. Although some people took overland trails to California, arriving in Sacramento, most traveled the faster route by sea, arriving in San Francisco. With thousands of miners arriving weekly, San Francisco became the initial staging area for the many people heading off to the gold fields of the Sierra Nevada foothills. The Project lies along one of the routes to the southern mining region. This route ran east from Mission San José past Livermore, over Altamont Pass, to Mountain House before continuing to Stockton, Sacramento, or the gold camps beyond those cities. It has continued as a transportation corridor to the present day.

In 1849, when Thomas Goodall (or Goodale) constructed an adobe building along the route, he founded Mountain House. The building served as a rest stop for stagecoaches, travelers and stockmen. In 1850 Simon Zimmerman purchased the stop and through his hard work, Mountain House became a famous way station on the road to Stockton (Wood 1883:464-65; Thompson and West 1878:25).

The only problem with this route was the Old River branch of the San Joaquin River. In order to travel to Stockton or the southern mines by this route, people needed to cross the river. By the early 1850s, Maurice Byrnes established a ferry on the El Pescadero land grant. By the mid-1850s German immigrant Henry Mohr assumed control of Byrnes (Burns) Landing. In addition to running the ferry, Mohr also established a grain and stock farm on Union Island, across Old River. Seeing Mohr's success other farmers moved into the area, acquired land, and developed their own farms (Tinkham 1923: 963).

The Central Pacific Railroad was completed in the area in 1869 and another branch shortly afterward. Bethany was established in 1879 to serve the agricultural interests of the area west of Tracy (Gilbert 1879:130). Unlike other areas that experienced a population growth with the arrival of the railroad, the project area's population did not expand significantly. The lack of a consistent year-around source of water limited the agricultural potential to dry farming crops such as wheat or other grain products. The water problem was not addressed until well after the turn of the century when first the federal government and later the state orchestrated large water projects that supplied central and southern California with water.

In 1912, the Naglee-Burk Irrigation Association was formed, and three years later, in 1915, the West Side Irrigation District was established and soon irrigation water was available and presented new opportunities for farmers located between Tracy and the Old River.

World War was underway in Europe and US Government price supports for sugar beets led to this being the dominant crop of the period. With the end of price supports, alfalfa became the crop of choice for the irrigated fields between the City of Tracy and the Old River.

The history of the community of Tracy is tied to the railroad. In 1869 the Central Pacific Railroad completed its line through the area and within a few years Lathrop Junction, west of the future town of Tracy, was established to service the railroad. A coaling station was built at the base of Altamont Pass and the small community that sprang up around it became known as Ellis. By 1878, the Central Pacific was constructing a new connecting rail line from Oakland and at the junction with the earlier line Tracy was established. As a railroad created town, Tracy was named after Lathrop J. Tracy, a grain merchant and railroad official from Ohio. Soon after the founding of Tracy, the coaling station at Ellis was closed and the workers, their families, and even two of the former town's hotels were moved east to Tracy (<http://www.ci.tracy.us/about/history>).

Transportation was the main employer in the area until the availability of irrigation water after 1915 led to increased interest, and profits, in agriculture. With agricultural abundance and transportation facilities in place, the two interests came together to assist the US war effort with the creation of the Sharpe Army Depot in 1941. The 720 acre facility was used by the US Army to receive, store, package and ship supplies- including local agricultural products, to forces in the Pacific Theater until its closure in 1976. It was also used to store and maintain heavy equipment and aircraft and at one time employed about 1,200 people.

Another growth-inducing impact to the local area was the creation of the Lawrence Livermore National Laboratory Livermore facility in the hills southwest of Tracy in the early 1950s to supplement the activities at Los Alamos and the main lab site on the UC Berkeley campus. This Cold War era facility led to a population increase in the neighboring communities of Livermore and Tracy as the workers and their families at the "Lab" settled in.

## **RESEARCH**

A review of literature maintained by the Central California Information Center of the California Historical Resources Information System at California State University, Stanislaus was conducted on July 28, 2010 for the project area (Appendix B). According to the Central California Information Center, no previously identified prehistoric period cultural resources are known within or adjacent to the project. One historic period resource, an irrigation ditch, P-39-000471 has been recorded in the project area and extends for some distance outside the project area. Another ditch, P-39-000470

is adjacent but not within the project area, as is the railroad bordering the project on the south (although this segment has not been formally recorded). In addition, the Bellota-Newark transmission line, assigned the designation P-39-004374, crosses through the project, but this segment has not been formally recorded.

Two previous surveys covered the bulk of the project area (Windmiller 1999; Windmiller and Osanna 2000). A small area around the existing structures at the west end of the project area was not surveyed and a strip on the east side encompassing less than a third of the project area was also not surveyed.

## **CONSULTATION**

The Native American Heritage Commission was contacted by Peak & Associates for a Sacred Lands review. According to the Commission, there is no record of any Sacred Lands within the Project (Appendix C). Correspondence requesting information and/or comment and a topographic map showing the Project were sent to Katherine Erolinda Perez on November 17, 2010 (Appendix C). A follow-up phone call message was left with Ms. Perez to make sure that she had received the original correspondence and to once again ask for information and/or comments. No reply has been received to date.

## **FIELD INSPECTION/METHODOLOGY**

A field reconnaissance of the 40 acre project as delineated on Map 1 was conducted during November 2010 by Peak & Associates Staff Archeologist Robert Gerry. This concentrated on the unsurveyed eastern portion of the project area, evaluating existing structures and inspecting recorded resources. A complete, intensive pedestrian inventory of the unsurveyed portion of the project was undertaken by means of parallel transects spaced at intervals of roughly 10 to 15 meters. The project area has been in agricultural production but crops were not growing at the time of the inspection, thus, surface visibility was excellent.

The remainder of the project area received cursory inspection except for the areas around existing structures and recorded sites.

## FIELD RESULTS

No evidence of prehistoric period activity was observed within the Project. The unrecorded portion of the Bellota-Newark transmission line, P-39-004374, was recorded and supplemental Department of Parks and Recreation (DPR) 523 forms and a location map for the resource, as well as the original site form, are presented in Appendix D. An update form was also prepared for the recorded irrigation ditch on the property, P-39-000471. The other ditch noted by the Information Center may have once crossed the eastern edge of the project area, but it is no longer a surface feature, being channeled into a subsurface pipe just north of the project area.

Two of the three residences on the property were old enough to warrant preparation of site forms, given the field designations PA-10-G41 (the eastern residence in an unsurveyed section of the project area) and PA-10-G42 (in the tiny western unsurveyed section). The central of the three residences within the project area is modern.

**P-39-004374** The resource consists of two parallel transmission lines with towers spaced at intervals of approximately 760 feet. The two sets of transmission lines are about 50 feet apart. The original transmission lines were built in 1931 by the Pacific Gas and Electric Company as part of the Tiger Creek project located along the Mokelumne River to transport hydroelectric-generated power to the bay area (Baker 2003). The inspected segment is approximately 650 feet long and crosses through the Project at a bearing of about 30 degrees.

**P-39-000471** is in the same condition as it was when recorded by Windmiller in 1999. It is a small, open, gunite-lined irrigation ditch with no unusual features.

**PA-10-G41** is the residence at 13588 Grant Line Road. It is a small, one story frame house, side gabled on a concrete slab. There is an extension of the roof, at the same pitch, covering a small entry porch. What was once a detached garage lies just west of the house, now connected by a small flat roofed wing about half the width of the main mass of the structure. The addition has a door on the front (north elevation) with a tiny shed roof shading it. Roofing is composition sheet and windows are single frame double hung sashes with plain wood surrounds.

Although the residential portion of the structure appears quite well maintained, the garage is not in very good shape. The garage roof has a distinct bow in the middle.

**PA-10-G42** at 14010 Grant Line Road consists of a residence, detached garage, a large commercial (at one time) structure and three small modern structures. The residence is a Craftsman bungalow. The main section of the building is side gabled with brackets on the ends of the roof. There are small cross gables front and rear, the one in front serving only as a cover for the half-width front porch and entry. Brackets are also present on this roof. The front roof is supported on large, square wood piers and the porch is surrounded by a plain wooden bannister. The rear cross gable covers an extension of the residential area. Windows are a combination of single frame, double hung sashes and fixed,

including two large windows on the front (north elevation) that are clearly replacements. The roofing is composite and the foundation is concrete wall construction.

A small detached garage, also a wood frame structure, sits behind the house and far enough back to suggest that it began as a storage shed and was converted to garage use. The commercial structure, close to the railroad at the far western corner of the project area, is a large cinder block structure with corrugated tin roof and very large top-hung sliding metal doors covering almost all of the north elevation. It is younger than the residence, confirmed by the 1952 USGS map (Stockton 15'), which shows the residence but not the other structure. The other three structures on the property do not appear on the 1978 USGS map, which conforms to their apparent age of thirty years or less.

## RESOURCE EVALUATIONS

None of the resources in the project area have any known association with historically important persons or events in regional history. Nor is there any indication of artifact deposits that would return significant information through archeological means. Since the area has been plowed for many years, one would assume that even a buried deposit would have some artifacts brought to the surface during agricultural activities. If any of these resources are significant, it would have to be through being an excellent example of its type or a particularly well constructed example.

**P-39-004374** Two segments of this resource have been recorded previously (Dougherty et al. 2003; Peak & Associates, Inc. 2009) and in both cases the resource was evaluated as less than significant due to the fact that they were not the earliest such electrical transmission lines in the state and did not display original or unusual engineering elements in the design or construction of the lattice towers. The portion of the line within the current project area does not differ from the other two recorded segments and we concur with these evaluations. The resource is not eligible for the CRHR.

**P-39-000471** This small irrigation ditch was evaluated as not eligible for the CRHR when first recorded by Windmiller (1999). We agree with this evaluation. The ditch is small, it has no unusual features within the project area and it is an extremely common type of resource. In addition, it has been seriously modified (gunite lining) after construction.

**PA-10-G41** This is an example of a Minimal Traditional residence, the most common sort of small rural residence constructed in the post-WWII years. It is entirely plain in appearance and has a major addition (the wing between the original house and the garage) that is not in a conforming style. It is in no way unusual and it is not a particularly good example of the style. It is not eligible for the CRHR.

**PA-10-G42** The commercial structure is not old enough to qualify as a historic property and, in addition, it is a very common type of construction. The garage is detached from the residence and seems to have been re-used as a garage after being a general storage structure. The only structure

that might be eligible for the CRHR is the residence. It was present at least as early as 1952 (USGS map) and was not present in 1914, the previous edition of the USGS. It was, in all likelihood, constructed in the 1920s, since the style was not popular after about 1930.

The house is old enough for consideration for the CRHR if it is a particularly good example of the style or unusually well made, but this is not the case. It was a very standard example of the Craftsman Bungalow to begin with and there have been modifications in finestrations and small details. The open eaves with exposed rafters that are characteristic of the style are not present in this example. There are plain fascias on all eaves. This may have been an original design element or the fascia boards may have been protection added after the rafter ends began to deteriorate. In any event, a major element defining the Craftsman style is not present in this example.

The house was constructed toward the end of the period of greatest popularity of the Craftsman Bungalow, which was the dominant style of small rural residence of its day, and is not a particularly good representative of the characteristics of this architectural style. It has no unusual design features or construction details that make it stand out. It is not eligible for the CRHR.

## RECOMMENDATIONS

The existing structures on the property are not eligible for the California Register of Historical Resources and mitigation of effect is not required.

Should any buried archeological materials be uncovered during the construction, maintenance, and use of the Project, such activities should cease within 100 feet of the find until the discovery can be evaluated by a professional archeologist. Prehistoric artifacts may include: obsidian and chert flakes and chipped stone tools; ground stone implements (grinding slabs, mortars and pestles) and locally darkened midden soils containing some of the previously listed items plus fragments of bone and fire affected stones. Historic period artifacts generally include: fragments of glass, ceramic and metal objects; milled and split lumber; and structure and feature remains such as building foundations, privy pits, wells and dumps.

If any bone is uncovered that appears to be human, the San Joaquin County coroner must be immediately contacted to evaluate the find. If the remains appear to be of Native American origin, then the coroner contacts the Native American Heritage Commission so that they may assist the coroner in notifying the Most-Likely-Descendants (MLD) for their assistance during the treatment of the remains.

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**APPENDIX A**

**Resumés of Investigators**

**PEAK & ASSOCIATES, INC.**  
**RESUME**

**MELINDA A. PEAK**  
**Senior Historian/Archeologist**  
3941 Park Drive, Suite 20, #329  
El Dorado Hills, CA 95762  
(916) 939-2405

**January 2010**

**PROFESSIONAL EXPERIENCE**

Ms. Peak has served as the principal investigator on a wide range of prehistoric and historic excavations throughout California. She has directed laboratory analyses of archeological materials, including the historic period. She has also conducted a wide variety of cultural resource assessments in California, including documentary research, field survey and report preparation.

In addition, Ms. Peak has developed a second field of expertise in applied history, specializing in site-specific research. She is a registered professional historian and has completed a number of historical research projects. Ms. Peak has been a regular lecturer for courses in the Capital Campus Public History program (California State University, Sacramento), teaching cultural resource law and site-specific research methods.

Through her education and experience, Ms. Peak meets the Secretary of Interior Standards for historian, architectural historian, prehistoric archeologist and historic archeologist.

**EDUCATION**

M.A. - History - California State University, Sacramento, 1989  
Thesis: *The Bellevue Mine: A Historical Resources Management Site Study in Plumas and Sierra Counties, California*  
B.A. - Anthropology - University of California, Berkeley

**RECENT PROJECTS**

Ms. Peak completed the cultural resource research and contributed to the text prepared for the DeSabra-Centerville PAD for the initial stage of the FERC relicensing. She also served as cultural resource project manager for the FERC relicensing of the Beardsley-Donnells Project. For the South Feather Power Project and the Woodleaf-Palermo and Sly Creek Transmission Lines, her team completing the technical work for the project.

In recent months, Ms. Peak has completed several determinations of eligibility and effect documents in coordination with the Corps of Engineers for projects requiring federal permits, assessing the

eligibility of a number of sites for the National Register of Historic Places. She has also completed historical research projects on a wide variety of topics for a number of projects including the development of navigation and landings on the Napa River, a farmhouse dating to the 1860s, an early roadhouse, Folsom Dam and a section of an electric railway line.

In recent years, Ms. Peak has prepared a number of cultural resource overviews and predictive models for blocks of land proposed for future development for general and specific plans. She has been able to direct a number of surveys of these areas, allowing the model to be tested.

She served as principal investigator for the multi-phase Twelve Bridges Golf Club project in Placer County. She served as liaison with the various agencies, helped prepare the historic properties treatment plan, managed the various phases of test and data recovery excavations, and completed the final report on the analysis of the test phase excavations of a number of prehistoric sites. She is currently involved as the principal investigator for the Clover Valley Lakes project adjacent to Twelve Bridges in the City of Rocklin, coordinating contacts with Native Americans, the Corps of Engineers and the Office of Historic Preservation.

Ms. Peak has served as project manager for a number of major survey and excavation projects in recent years, including the many surveys and site definition excavations for the 172-mile-long Pacific Pipeline proposed for construction in Santa Barbara, Ventura and Los Angeles counties. She also completed an archival study in the City of Los Angeles for the project. She also served as principal investigator for a major coaxial cable removal project for AT&T.

Additionally, she completed a number of small surveys, served as a construction monitor at several urban sites, and conducted emergency recovery excavations for sites found during monitoring. She has directed the excavations of several historic complexes in Sacramento, Placer and El Dorado Counties.

Ms. Peak is the author of a chapter and two sections of a published history (1999) of Sacramento County, *Sacramento: Gold Rush Legacy, Metropolitan Destiny*. She served as the consultant for a children's book on California, published by Capstone Press in 2003 in the land of Liberty series.

**PEAK & ASSOCIATES, INC.**  
**RESUME**

**ROBERT A. GERRY**

**January 2010**

**Senior Archeologist**

3941 Park Drive, Suite 20, #329  
El Dorado Hills, CA 95762

**PROFESSIONAL EXPERIENCE**

Mr. Gerry has over thirty years of extensive experience in both the public and private sectors. He has directed all types of cultural resource-related projects, including field survey, test excavations, data recovery programs, intensive archival research and cultural resource management. He has completed archeological work in most cultural areas of California and in the western Great Basin.

**EDUCATION**

Graduate studies - Anthropology - California State University, Sacramento, 1972-1977  
B.A. - Anthropology - University of Illinois, Chicago Circle, 1972

**RECENT PROJECTS**

Mr. Gerry was field director for a cultural resources survey of about 18,640 acres within the Naval Petroleum Reserve No. 1, Kern County, California. The project employed a stratified random sampling strategy and resulted in the recording of 112 cultural resources, and preparation of a management plan. He also directed a subsequent excavation program for evaluation of significance. Additionally, he served as field director for archeological surveys on the Plumas, Stanislaus, El Dorado and Six Rivers National Forests.

He was field director and primary report writer on several linear surveys of considerable length -- including the San Joaquin Valley Pipeline (157 miles) for Shell Oil, the Point Arena-Dunnigan fiber optic cable (137 miles) and the Medford, Oregon, to Redding, California fiber optic cable (151 miles), the Oregon and Idaho portions of the Spokane to Boise fiber optic cable, and the San Bernardino to San Diego fiber optic cable, for American Telephone & Telegraph Company. He also assisted on the 170 mile Pacific Pipeline survey on the southern coast of California and conducted several surveys of water pipelines in southern California: La Sierra pipeline (Riverside), Perris Valley, Pico Rivera, Temecula and San Jacinto.

Mr. Gerry supervised the cultural resources assessments and participated in all field surveys for the studies of water supply facilities for seven wildlife refuges in the Sacramento and San Joaquin Valleys. He also took a lead role in field work and report preparation for major residential developments in the Sacramento area, such as the Sunrise Douglas project and Florin Vineyard.

Mr. Gerry has developed a specialty in bridge replacement evaluations, completing five such studies in Tuolumne County, two in Santa Barbara County, two in Amador County and ten others in various areas of California.

Mr. Gerry has had extensive experience in recording mining sites in northern California and Nevada for proposed mining undertakings as well as in the course of survey for proposed subdivisions, reservoirs, and other development projects. He directed the survey of two parcels totaling 2,240 acres in the Battle Mountain Mining District in Lander County, recording a number of mining sites and features. Within the Cook Ranch Project area in El Dorado County, he completed the recordation of several gold mines and a cinnabar mine. He has completed three studies involving the American Hill Mine in Nevada City, the location where hydraulic mining began.

Mr. Gerry has directed test excavations for evaluation of significance at a number of sites, both historic and prehistoric. Examples include CA-NAP-261, twelve sites on Naval Petroleum Reserve No. 1, three sites on Russell Ranch in Sacramento County, a midden site near Guinda and a village known through ethnographic literature in Murphys.

His work has included an important role in working with Native American peoples. He has surveyed eight allotments and rancherias in the Pit River area, the Point Arena/Manchester Rancheria in Mendocino County, the Susanville Rancheria in Lassen County, the Rumsey Rancheria in Yolo County, and three rancherias in northwestern California. In each of these projects, he has been closely involved with Native American organizations and individuals, including a number of native people he has directed as surveyor trainees.

**APPENDIX B**

**Information Center Communication**



## CENTRAL CALIFORNIA INFORMATION CENTER

### *California Historical Resources Information System*

Department of Anthropology – California State University, Stanislaus  
One University Circle, Turlock, California 95382  
(209) 667-3307 - FAX (209) 667-3324

---

*Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties*

**Date:** 7/28/2010

**CCIC File #:** 7745L

**Project:** Filios/Dobler Annexation  
and Development Project

Kara Spencer, Environmental Planner  
RBF Consulting  
111 N. Market Street, Suite 440  
San Jose, CA 95113-1122

Dear Ms. Spencer:

We have conducted a records search as per your request for the above-referenced project area located on the Tracy and Union Island USGS 7.5-minute quadrangle maps in San Joaquin County.

Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the National Register of Historic Places, the California Register of Historical Resources, the *California Inventory of Historic Resources* (1976), the *California Historical Landmarks* (1990), and the California Points of Historical Interest listing (May 1992 and updates), the Directory of Properties in the Historic Property Data File (HPDF) and the Archaeological Determinations of Eligibility (ADOE) (Office of Historic Preservation current computer lists dated 05-18-2010), the CALTRANS State and Local Bridge Survey (1989 and updates), the *Survey of Surveys* (1989), GLO Plats, and other pertinent historic data available at the CCIC for each specific county.

The following details the results of the records search:

#### **Prehistoric or historic resources within the project area:**

- (1) One historical resource has been recorded, P-39-000471, a segment of an irrigation ditch, 45-60 years old, currently gunnite-lined, and evaluated as not eligible for the California Register of Historical Resources (Windmiller 1999; CCIC Report # SJ-03861).

- (2) The GLO Plat for T2S R4E (Sheet 44-108, dated 1851-1857) shows the project area as part of a 160-acre parcel.
- (3) The 1952 edition of the Union Island USGS 7.5-minute quadrangle shows a utility line within the project area (58 years in age, or older).

**Prehistoric or historic resources within the vicinity of the project area:**

- (1) Segments of other water conveyance systems (irrigation ditches) have been recorded near the project area (P-39-000470, -000471).
- (2) Map Number Three in *History of San Joaquin County, California with Illustrations* (1879; 1968 reprint) references the Central Pacific Railroad immediately south of the project area and Grant Line Road immediately north of the project area. Segments of these historical resources have been recorded elsewhere in San Joaquin County, but the specific segments adjacent to the project area have not been formally recorded.
- (3) The 1914 edition of the Union Island 1:31680-scale map references the railroad south of the project as the Southern Pacific Railroad.
- (4) The GLO Plat for T2S R4E (Sheet 44-108, dated 1851-1857) shows the historic El Pescadero Mexican land grant (Pico and Naglee) north of the project area.

**Resources that are known to have value to local cultural groups:** None formally reported to the Information Center.

**Previous investigations within the project area:** Two investigations have been conducted that cover a portion of the project area (see map attached), referenced as follows (copy of title pages attached):

<b>CCIC Report #</b>	<b>Author/Date</b>
SJ-03860	Windmiller & Osanna (2000)
SJ-03861	Windmiller (1999)

In addition, there has been one overview study that included the project area, cited below:

William Self Associates  
 1995 *Class I Overview – Santa Fe Pacific Pipeline Partners, L.P.: Proposed Concord to Colton Pipeline Project.* Bechtel Group, Inc.

**Previous investigations within the vicinity of the project area:** Three documents on file

reference investigations adjacent to the project area:

<b>CCIC Report #</b>	<b>Author/Date</b>	<b>Project</b>
SJ-00656	Office of Environmental Quality (1983)	San Luis Drain and Alternatives
SJ-01733	True et al. (1981)	Archaeology Survey, San Luis Drain Project
SJ-04182	Wickstrom (2001)	Tracy Widening Stage II & III, SR-205

**Recommendations/Comments:** Based on existing data in our files the project area has a moderate-high sensitivity for the possible discovery of historical resources, as an historic irrigation ditch has already been recorded within the project area, and other historical features have been identified with the general vicinity of the project area.

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since only a portion of the project area has been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

Survey by a qualified archaeologist of the unsurveyed portions of the project area is recommended prior to implementation of the project or issuance of any discretionary permit.

The Statewide Referral List for Historical Resources Consultants is posted for your use on the internet at <http://chrisinfo.org>

We advise you that in accordance with State law, if any historical resources are discovered during project-related activities, all work is to stop and the lead agency and a qualified professional are to be consulted to determine the importance and appropriate treatment of the find. If Native American remains are found the County Coroner and the Native American Heritage Commission, Sacramento (916-653-4082) are to be notified immediately for recommended procedures.

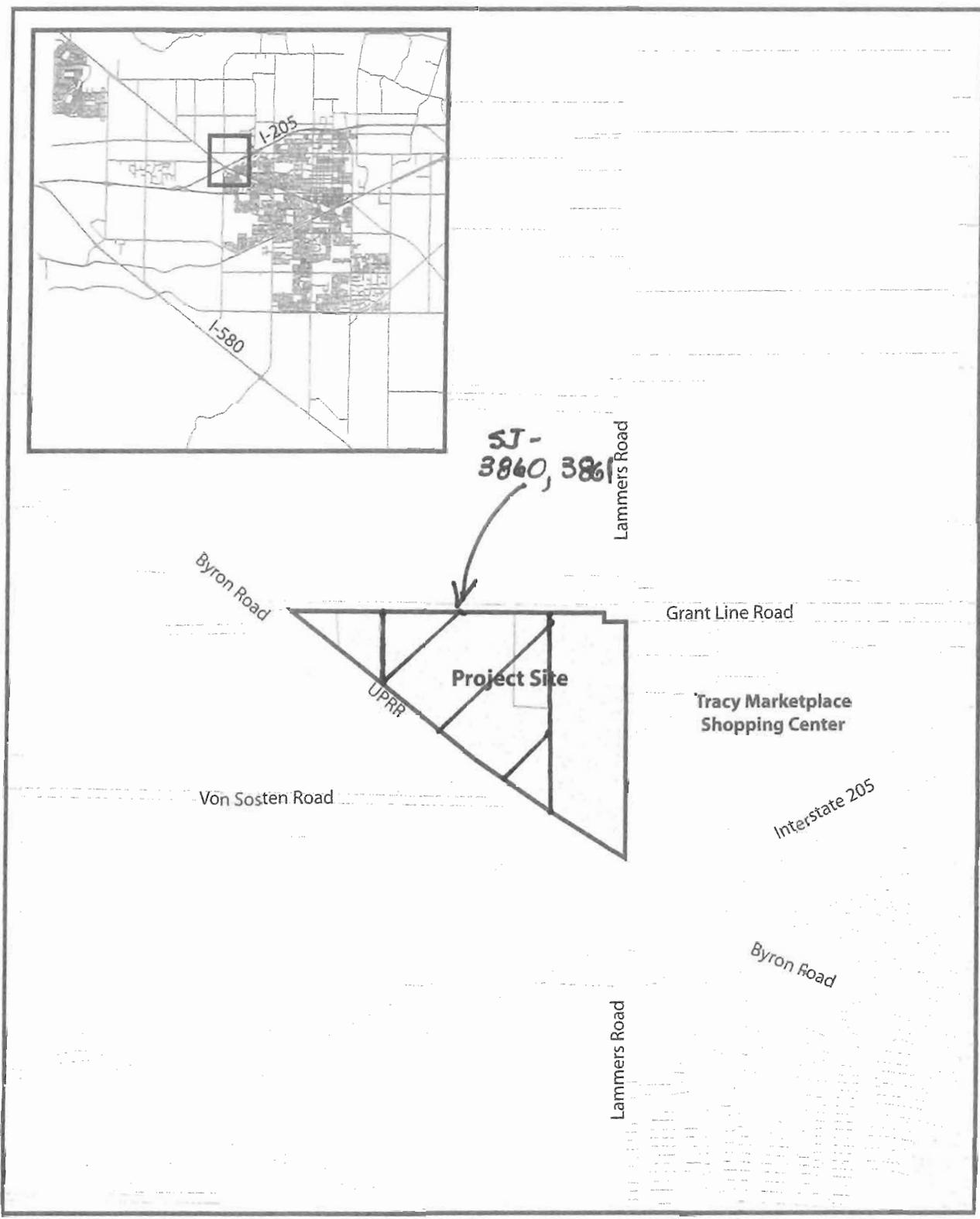
**We further advise you that if you retain the services of a historical resources consultant, the firm or individual you retain is responsible for submitting any report of findings prepared for you to the Central California Information Center, including one copy of the narrative report and two copies of any records that document historical resources found as a result of field work. If the consultant wishes to obtain copies of materials not included with this records search reply, additional copy or records search fees may apply.**

We thank you for contacting this office regarding historical resource preservation. Please let us know when we can be of further service. Billing is attached, payable within 60 days of receipt of the invoice.

Sincerely,

A handwritten signature in cursive script that reads "E. A. Greathouse". The signature is written in black ink and is positioned above the printed name.

E. A. Greathouse, Coordinator  
Central California Information Center  
California Historical Resources Information System



Source: City of Tracy (2010)



CCIC 77451

Fillos/Dobler Annexation NOP  
**Project Location**

Figure 2

**APPENDIX C**

**Native American Communication**

STATE OF CALIFORNIA

Arnold Schwarzenegger, Governor

**NATIVE AMERICAN HERITAGE COMMISSION**

916 CAPITOL MALL, ROOM 384  
SACRAMENTO, CA 95814  
(916) 653-4082  
Fax (916) 657-5380  
Web Site www.nahc.ca.gov



November 10, 2010

Robert Gerry  
Peak & Associates, Inc.  
3941 Park Drive, Suite 20, #329  
El Dorado Hills, CA 95762

Sent by Fax: 916-939-2406  
Number of Pages: 2

Re: Proposed Filos/Dobler Annexation, San Joaquin County.

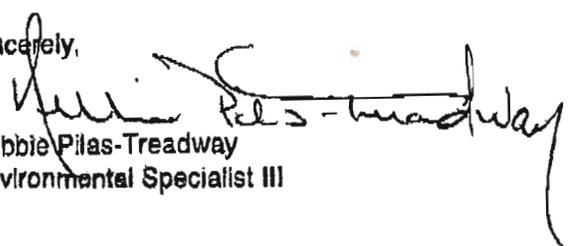
Dear Mr. Gerry:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

  
Debbie Pitas-Treadway  
Environmental Specialist III

**Native American Contacts  
San Joaquin County  
November 10, 2010**

Katherine Erolinda Perez  
PO Box 717  
Linden, CA 95236  
canutea@verizon.net  
(209) 887-3415

Ohlone/Costanoan  
Northern Valley Yokuts  
Bay Miwok

**This list is current only as of the date of this document.**

**Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.09 of the Public Resources Code.**

**This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Filos/Dobler Annexation, San Joaquin County**

**PEAK & ASSOCIATES, INC.**  
CONSULTING ARCHEOLOGY



November 17, 2010

Ms. Katherine Eolinda Perez  
PO Box 717  
Linden, CA 95236

COPY

Dear Ms. Perez:

Peak & Associates, Inc. has contracted with RBF Consulting to perform a cultural resources assessment of the Filios/Dobler Annexation, a proposed subdivision involving transfer of land to the City of Tracy. The project is located on the western boundary of Tracy and comprises about 40 acres in San Joaquin County. It lies in T2S, R4E, sections 13 and 24 and is mapped on the Union island 7.5' USGS map, which is the base for the attached map.

The project area is, for the most part, currently in irrigated agriculture, except near the three residences on site. Due to scheduling constraints, we had to do the field work already. We found that plowing and levelling has severely impacted all of the project area. There was no indication of Native American sites or artifacts in the area.

We are contacting individuals identified by the Native American Heritage Commission as persons who might have information to contribute regarding potential Native American concerns in the project area. Any information or concerns that you may have regarding village sites, traditional properties or modern Native American uses in any portion of the project vicinity will be welcomed. If you know other individuals who are familiar with the vicinity, we would welcome this information as well.

We recognize that much of the information about protected and sacred sites may be confidential within your community and cannot be shared with those outside of your community. We will work with you to minimize impact on your cultural resources. Please contact me to discuss how we can accomplish protection of your cultural resources within your limits of confidentiality and the needs of the project. Any confidential information you share will be kept confidential, so long as you make it clear which information is confidential and to what extent. We will have to communicate to our client that an area must be avoided, but we do not have to go into detail as to why.

Thank you for your assistance.

Sincerely,

Robert A. Gerry  
Consulting Archeologist

COPY

RG//  
Encl.

## **APPENDIX D**

### **Site Records**

**\*\*\*\*\*CONFIDENTIAL\*\*\*\*\***

This appendix contains specific location information on cultural resources. In order to decrease the possibility of vandalism, the information herein should not be distributed to the public. This information should be released only to reviewing agencies and administrators who need this information to evaluate the project or protect cultural resources.

Site location information is specifically exempted from the National Freedom of Information Act as specified in 43 CFR 7.18 and the California Freedom of Information Act, as specified in Government Code 6254.10.

*Appendix E*

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Existing Hazardous Materials Conditions Assessment

EXISTING HAZARDOUS MATERIALS CONDITIONS ASSESSMENT

# Filios/Dobler Annexation



Consultant:

**RBF Consulting**

14725 Alton Parkway  
Irvine, California 92618

Contact: **Ms. Kristen Bogue, REA, CEI**  
Associate/Hazardous Materials Specialist  
949.855.5747

**November 2, 2010**

JN 35-101038-16998



**CONSULTING**

PLANNING ■ DESIGN ■ CONSTRUCTION

---

**EXISTING HAZARDOUS MATERIALS CONDITIONS ASSESSMENT**  
**for the**  
**Filios/Dobler Annexation**

---

Consultant:

**RBF CONSULTING**

14725 Alton Parkway

Irvine, California 92618

*Contact: Ms. Kristen Bogue, REA, CEI*  
Associate/Hazardous Materials Specialist  
949-855-5747

November 2, 2010

JN 35-101038

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## 1.0 INTRODUCTION

### 1.1 PURPOSE

The purpose of this Existing Hazardous Materials Conditions Assessment (Assessment) is to review the existing hazardous materials conditions within the boundaries of the approximate 39.3-acre Filius/Dobler Annexation (Project site), located within unincorporated County of San Joaquin, State of California (Sections 13 and 24, Township 2 South [T.2S], Range 4 East [R.4E], Mt. Diablo Base and Meridian [MDBM]); refer to Exhibit 1, Regional Vicinity.

### 1.2 METHODOLOGY

The State of California Legislature enacted the California Environmental Quality Act (CEQA) in 1970 that requires public agencies to consider the environmental implications of proposed projects and disclose these findings to the public. This Assessment is intended to support the Hazardous Materials analysis of the Environmental Document for the Project per Appendix G, *Environmental Checklist Form*, of the CEQA Statutes and Guidelines. The City of Tracy (City) will have the primary responsibility for implementing CEQA and making sure that its mandates are followed for this Project.

For the purposes of this Assessment, the term “hazardous material” refers to both hazardous substances and hazardous waste. A material is defined as “hazardous” if it appears on a list of hazardous materials prepared by a Federal, tribal, State, or local regulatory agency, or if it possesses characteristics defined as “hazardous” by such an agency. A “hazardous waste” is a solid waste that exhibits toxic or hazardous characteristics (i.e., ignitability, corrosivity, reactivity, and/or toxicity).

A visual site inspection of the Project site was conducted on August 11, 2010, in concert with research of available Federal, tribal, State, and local regulatory databases. The site visit consisted of a visual examination of the Project site for evidence of potential environmental concerns, including hazardous substances and petroleum products in connection with the on-site properties. This Assessment is not intended to provide specific qualitative or quantitative information as to the actual presence of hazardous materials at the site, but merely to identify the potential presence based on available information. This scope specifically excludes laboratory testing, field sampling, chain of title documents, and compliance with the American Society for Testing and Materials (ASTM) Standard Practice E 1527-05. RBF’s conclusions are based on the limitations of our Scope of Services.



FILOS/DOBLER ANNEXATION EXISTING CONDITIONS  
 HAZARDOUS MATERIALS ASSESSMENT  
**Project Vicinity**



10/1/10 JN 35-101038-16998

## 2.0 PROJECT SITE DESCRIPTION

### 2.1 LOCATION

The Project site is located within unincorporated San Joaquin County (County), immediately adjacent to the northwestern boundary of the City of Tracy (City). The City is located at the northwestern edge of the San Joaquin Valley, 60 miles east of San Francisco and 68 miles south of Sacramento. As shown in Exhibit 2, Site Vicinity, the triangular shaped Project site is bounded by Grant Line Road to the north, the Union Pacific Railroad (UPRR) line and Byron Road to the southwest, and the Tracy Marketplace Shopping Center to the east.

### 2.2 PROJECT SITE GENERAL CHARACTERISTICS

On-site topography ranges from approximately 22 to 30 feet above mean sea level (msl), and generally slopes to the north. The majority of the Project site consists of predominantly flat land that is actively used for the agricultural production of hay (refer to Exhibit 3, Project Site). There are three single-family residences and their associated outbuildings located along the Grant Line Road frontage. Various ornamental landscaping surrounds the residences. A Pacific Gas and Electric (PG&E) easement containing two power transmission lines and an underground natural gas pipeline are located in the southeastern portion of the Project site. In addition, the Hansen Sewer pipeline easement is located along the PG&E easement in the southeast portion of the Project site, and a City water line easement exists along the eastern boundary of the Project site.

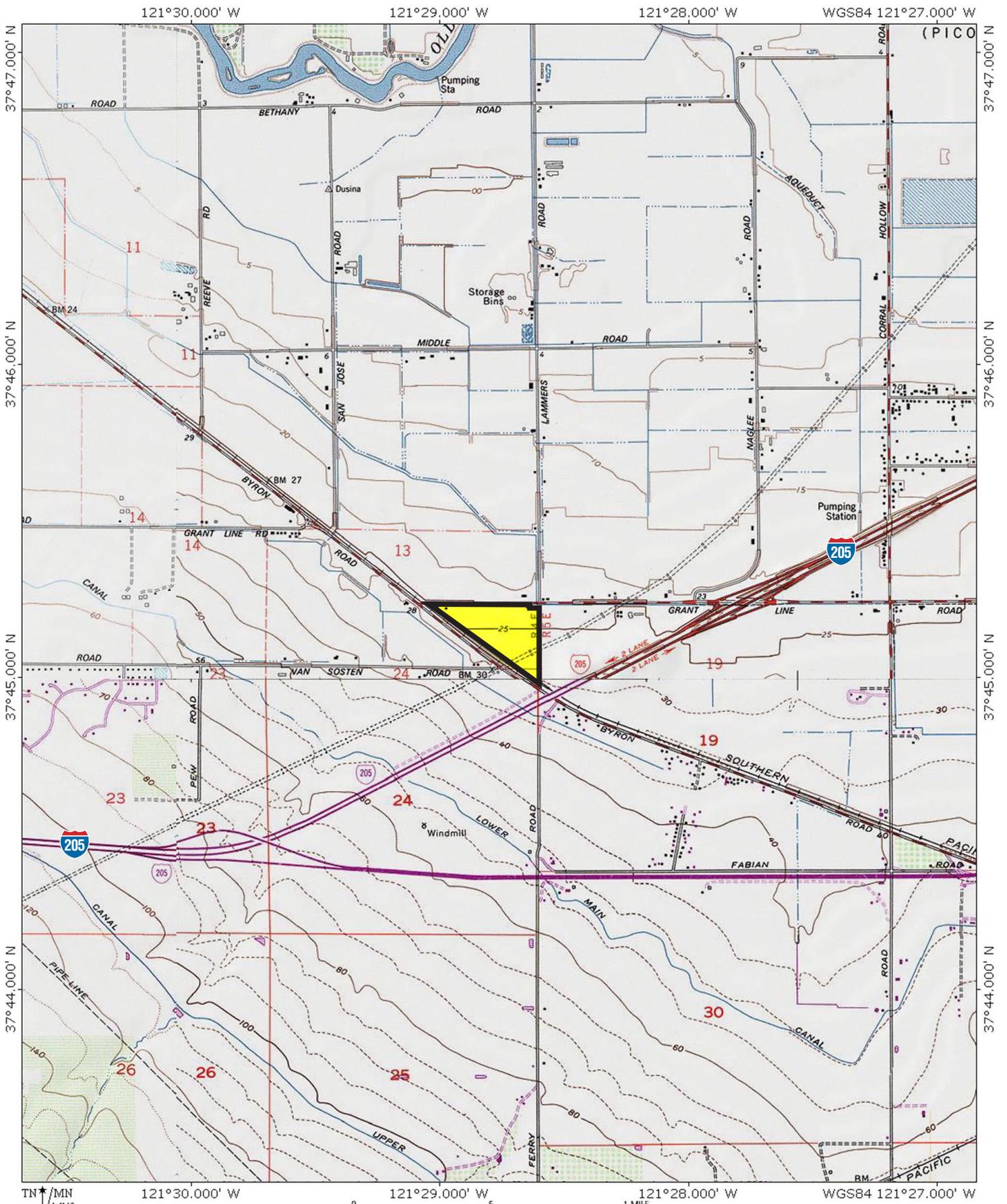
### DRAINAGE

Drainage of the Project site is accomplished by downward surface percolation and overland sheet flow, which generally follows the existing topography in a northerly direction.

### 2.3 CURRENT USES OF ADJOINING PROPERTIES

For the scope of this Assessment, properties are defined and categorized based upon their physical proximity to the Project site. An adjoining property is considered any real property or properties the border of which is contiguous or partially contiguous with that of the Project site, or that would be contiguous or partially contiguous with that of the Project site but for a street, road, or other public thoroughfare separating them. An adjacent property is any real property located within ¼-mile of the Project site's border. The following is a detailed description of each adjoining land use observed on August 11, 2010:

North: Agricultural, grazing, and residential uses are located north and northeast of the Project site, across Grant Line Road.



SOURCE: USGS Tracy, CA, Quadrangle, 1981 and Union Island, CA, Quadrangle, 1978.

Printed from TOPOI ©2001 National Geographic Holdings (www.topo.com)

 Project Site

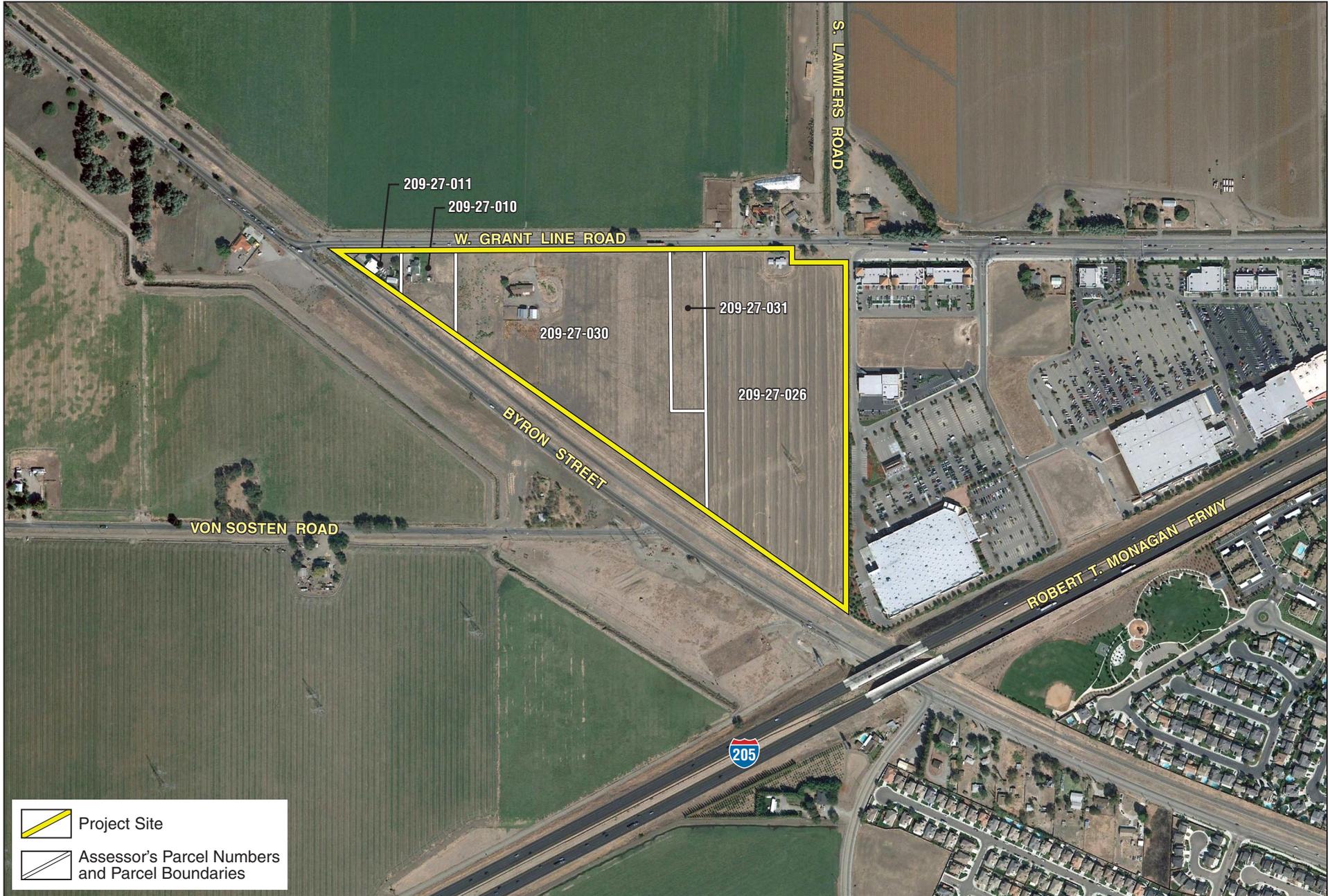
FILIOS/DOBLER ANNEXATION EXISTING CONDITIONS  
HAZARDOUS MATERIALS ASSESSMENT

# Site Vicinity

Exhibit 2



10/1/10 JN 35-101038-16998 MAS



FILIOS/DOBLER ANNEXATION EXISTING CONDITIONS  
 HAZARDOUS MATERIALS ASSESSMENT  
**Project Site**

East: The Tracy Marketplace Shopping Center is located to the east of the Project site. These commercial uses include, but are not limited to, retail stores (such as Costco, Les Schwab Tire Center, and WalMart) and restaurants (such as the Burger King, Taco Bell, and Golden Corral Buffet & Grill).

South: Interstate 205 (I-205) and the UPRR trends northwest/southeast along the southwestern boundary of the Project site. Also, agricultural, residential, and vacant land uses are located to the south and southwest of the Project site.

West: Agricultural, residential, and vacant land uses are located to the west of the Project site.

## 2.4 PHYSICAL SETTING SOURCES

### CURRENT USGS 7.5 MINUTE TOPOGRAPHIC MAP

The USGS topographic maps show geological formations and their characteristics, describing the physical setting of an area through contour lines and major surface features including lakes, rivers, streams, buildings, landmarks, and other geologic or infrastructure characteristics. Additionally, the maps depict topography through color and contour lines and are helpful in determining elevations and site latitude and longitude. For the purpose of this Assessment, the USGS topographic map was reviewed to determine the on- and off-site factors that could impact the spread of contamination.

Based on the USGS *Union Island, California*, and *Tracy, California* Quadrangles, dated 1978 and 1954 (photorevised 1981), respectively, on-site topography is approximately 22 to 30 feet above msl and gently slopes to the north, toward an unnamed channel. The majority of the Project site appears to consist of vacant land. Two (2) structures are visible in the northwestern and northeastern portions of the Project site. The Byron Road and a railroad feature are visible trending in a northwest/southeast direction along the southwestern Project boundary. Also, two (2) power lines are noted in the southeastern portion of the Project site, trending in a southwest/northeast direction. I-205 is visible to the southeast, trending in a southwest/northeast direction. Overall, surrounding land uses appear to consist of vacant land, sparse structures, and infrastructure. Multiple canal features are noted in the Project area, which generally appear to flow in a northwest direction.

### GEOLOGY AND SOILS

The USGS Geological Map Index was searched by Environmental Data Resource, Inc. (EDR) for available geological maps that cover the Project site and surrounding areas. These geological maps indicate geological formations that are overlaid on a topographic map. Some maps focus on specific issues (i.e., bedrock, sedimentary rocks, etc.) while others may identify artificial fills

(including landfills). Geological maps can be effective in estimating permeability of on-site soils and other factors that influence the spread of contamination.

Based on the files reviewed for the Project vicinity (maintained by the Regional Water Quality Control Board [RWQCB]), the Project area is located within the Tracy Sub-Basin of the San Joaquin Valley Groundwater Basin (Number 5-22.15). This sub-basin is defined by the aerial extent of unconsolidated to semi-consolidated sedimentary deposits. The sub-basin is comprised of continental deposits of late Tertiary to Quaternary age, which include the Tulare Formation, older alluvium, flood basin deposits, and younger alluvium. The thickness of these deposits ranges from a few hundred feet in the western foothills to about 3,000 feet near the eastern margin of the basin. The Tulare Formation is comprised of semi-consolidated, poorly sorted, discontinuous deposits of clay, silt, and gravel. The Corcoran clay is situated near the top of the Tulare Formation.

According to the *Soil Management Plan*, prepared for the Assessor's Parcel Number (APN) 209-270-026, dated August 1999, the subsurface soil in the area is predominately silt and clay, with isolated sandy lenses, to a depth of at least 15 feet. According to the *Soil Survey of San Joaquin County, California*, dated October 1992, the Project site consists of one (1) soil series, which is described as follows:

**Capay clay, 0 to 2 percent slopes (118):** The Capay soil series consists of moderately well drained, fine textured soils that are very deep and have been subject to artificial wetness. This particular soil type is very deep, moderately well drained, nearly level, and is located in interfan basins. This soil formed in alluvium derived from mixed rock sources. Permeability is slow. Available water capacity is high. Runoff is slow, and the hazard of water erosion is slight. Included in this unit are small areas of Stomar and Vernalis soils in the slightly higher landscape positions and Willows soils in the slightly lower positions. Also included are small areas of fine textured soils that have a perched water table at a depth of 48 inches and may be saline-sodic in some part. Included areas make up about 15 percent of the total acreage.

## GROUNDWATER AND WATER WELLS

The USGS Well Database and State Well Database were searched by EDR. According to the EDR Well Search, there are no water wells located within the boundaries of the Project site (refer to [Appendix A, EDR Database Search](#)). According to the *Soil Management Plan*, prepared for APN 209-270-026, the water table is approximately 7 to 9 feet below ground surface (bgs) (in 1999). This report also noted that shallow groundwater beneath the Project area is prohibited for use as domestic or municipal supply by the *City of Tracy Municipal Code* Section 11.1.16.

Based on the files reviewed for the Project vicinity (maintained by the RWQCB), the Project area includes two primary aquifers. The upper aquifer is reported to range in thickness from 15 to 250 feet bgs, and the lower aquifer is reported at a depth of 600 feet bgs. Generally, depth to

groundwater in the sub-basin varies from 5 to 10 feet bgs. Based on soil and groundwater investigations completed at the former Tracy Pump Station to the west and for the Tracy Byron Road Project to the south, shallow groundwater is likely to flow toward the northeast.

## **FLOOD HAZARDS**

Flood Prone Area Maps published by the USGS show areas prone to 100-year floods overlaid on a topographical map. These maps are not considered the official Federal Emergency Management Agency (FEMA) flood maps; therefore, in cases where a property is located immediately adjacent to or within the flood prone boundary, a FEMA map should be obtained. According to the EDR GeoCheck Report, the Project site is not located within a 100-year flood zone (refer to [Appendix A](#)). Also, based on the Flood Insurance Rate Map (FIRM) obtained on FEMA's official website, the Project site is not located within the 100-year flood zone (refer to [Appendix B, Documentation](#)). Note that the southeastern portion of the Project site is not a printed map per FEMA.

### **3.0 INTERVIEWS**

#### **3.1 PROPERTY OWNERS**

##### **PROPERTY OWNER (14010 WEST GRANT LINE ROAD)**

RBF conducted an interview with the property owner and occupant of 14010 West Grant Line Road during the August 11, 2010, site visit. The property owner stated that the adjoining property to the west located at 14044 Grant Line Road is owned by a family member. RBF inquired about the uses of the on-site garage structure located at 14044 Grant Line Road. The property owner stated that the garage is used for personal repairs and storage typically associated with rural residential uses, and that the family mobile welding business is conducted at client locations off-site (refer to [Appendix B](#)).

#### **3.2 PROPERTY OPERATORS**

Property operators (i.e., on-site farmers) were not available for interview at the time of this Assessment.

#### **3.3 PROPERTY OCCUPANTS**

Although there are three residential units located on-site, only one was available for interview at the time of this Assessment (refer to [Section 3.1, \*Property Owners\*](#), above).

#### **3.4 LOCAL GOVERNMENT OFFICIALS**

##### **TRACY FIRE DEPARTMENT**

RBF contacted Ms. Andrea Cipponeri of the Tracy Fire Department on July 15, 2010. Ms. Cipponeri stated that the Tracy Fire Department's files pertaining to hazardous materials are maintained by the County of San Joaquin. Staff referred RBF to the County of San Joaquin Public Health Services – Environmental Health Division (EHD) (refer to [Appendix B](#)). Also, refer to [Section 4.2, \*File Record Review\*](#), for a detailed discussion of the files reviewed at the EHD.

##### **COUNTY OF SAN JOAQUIN PUBLIC HEALTH SERVICES – ENVIRONMENTAL HEALTH DIVISION**

RBF conducted an interview with Mr. Michael Infurna, Senior Registered Environmental Health Specialist, of the EHD on August 11, 2010. Mr. Infurna is the case manager for the cleanup activities associated with the oil pipeline spills along the railroad right-of-way. Mr. Infurna stated that Chevron is responsible for the remediation of contamination at the Project site as a result of the off-site oil pipelines. He noted that contaminated soils beneath the Project site have a tar-like consistency and a strong odor. Mr. Infurna noted that the Soils Management Plan

previously prepared for the Dobler property would still apply; however, the plan did not include vapor intrusion. He noted that a vapor gas study and soil sampling would need to be conducted at any location of the Project site proposed for human occupancy (refer to Appendix B).

### **3.5 OTHER PERSONS**

#### **GRANT LINE APARTMENTS, LLC (PROJECT APPLICANT)**

RBF received an interview questionnaire on August 5, 2010, from Mr. John Palmer, Project Manager, of Grant Line Apartments, LLC. Mr. Palmer has been associated with the Project site for approximately four years. As a Project Manager, Mr. Palmer's job responsibilities pertain to development and entitlement consulting and management services. To the best of his knowledge, the Project site or any adjoining property have not been used for an industrial use. The property has historically been used for grazing/agricultural uses. Mr. Palmer noted that it is unknown if pesticides or paints have previously been utilized or stored on the property. To the best of Mr. Palmer's knowledge, the Project site has not contained oil, fill dirt, pits, ponds, lagoons, storage tanks, vent pipes, fill pipes, or PCBs. Mr. Palmer referred RBF to Shannon Wong of the Chevron Environmental Management Company regarding petroleum product spills and environmental violations at the Project site (it is noted that RBF obtained all environmental documentation regarding the Chevron spills and violations from the RWQCB and EHD). Mr. Palmer noted a septic system and leach field on-site that serves the existing residents on the Project site. Mr. Palmer is not aware of any environmental cleanup liens or activity and land use limitations (AULs). One historic address was noted on the Project site. The current 13880 West Grant Line Road was previously 95376 West Grant Line Road (refer to Appendix B). It should be noted that the zip code for the project area is 95376.

## 4.0 RECORDS REVIEW

### 4.1 STANDARD ENVIRONMENTAL RECORDS SEARCH

#### RECORDS SOURCES

The CEQA thresholds of significance requires the identification of whether or not the Project site includes any properties listed as a hazardous materials site per Government Code Section 65962.5. Section 65962.5 requires the Department of Toxic Substances Control (DTSC) and the State Water Resources Board (SWRB) to compile and update a regulatory sites listing (per the criteria of the Section). Also, the State Department of Health Services is required to compile and update, as appropriate, a list of all public drinking water wells that contain detectable levels of organic contaminants and that are subject to water analysis pursuant to Section 116395 of the Health and Safety Code. Section 65962.5 also requires the local enforcement agency, as designated pursuant to Section 18051 of Title 14 of the California Code of Regulations, to compile, as appropriate, a list of all solid waste disposal facilities from which there is a known migration of hazardous waste.

As part of this analysis, records have been obtained by EDR (which includes databases maintained by the DTSC, State Department of Health Services, and other local enforcement agencies pertaining to solid waste disposal facilities), as well as the SWRB.

#### Methodology

RBF requested EDR to conduct a governmental records search for properties located within the Project site and within an approximate one-mile radius of the Project site boundaries. Upon completion of their search, EDR provided RBF with their findings dated July 15, 2010. RBF makes no claims as to the completeness or accuracy of the referenced sources. Our review of EDR's findings can only be as current as their listings and may not represent all known or potential hazardous waste or contaminated sites. To reduce the potential for omitting possible hazardous material sites located within the boundaries of the Project site and within the surrounding area, sites may be listed in this report if there is any doubt as to the location because of discrepancies in map location, zip code, address, or other information. Refer to [Appendix A](#) for a listing and description of the Federal, tribal, State, and local records searched.

According to EDR's *ESA Report Desktop Reference*, dated 1996, some reported sites (Orphan Sites) are unmappable as exact locations remain undefined. Listings in publicly available records that do not have adequate address information are not generally considered practically reviewable. For the purposes of this Assessment, practically reviewable is defined as information provided in a manner and in a form that yields information without the need for extraordinary analysis of irrelevant data. Although the location of these sites may be unknown, the site and detail information are often available through EDR. RBF's review of Orphan Sites consisted of a verification that the Project site is not listed (i.e., referenced by name or street

address) and a review to identify if any of the Orphan Sites cause a moderate to high potential to contaminate groundwater that underlies the Project site. Refer to [Appendix A](#) for a listing and description of Orphan Sites.

RBF searched the SWRB's GeoTracker database on July 23, 2010. GeoTracker was developed pursuant to a mandate by the California State Legislature to investigate the feasibility of establishing a statewide Geographic Information System (GIS) for leaking underground fuel tank (LUFT) sites. RBF makes no claims as to the completeness or accuracy of GeoTracker; our review of GeoTracker's findings can only be as current as their listings and may not represent all known or potential hazardous waste or contaminated sites. Refer to [Appendix A](#) for the GeoTracker search documentation.

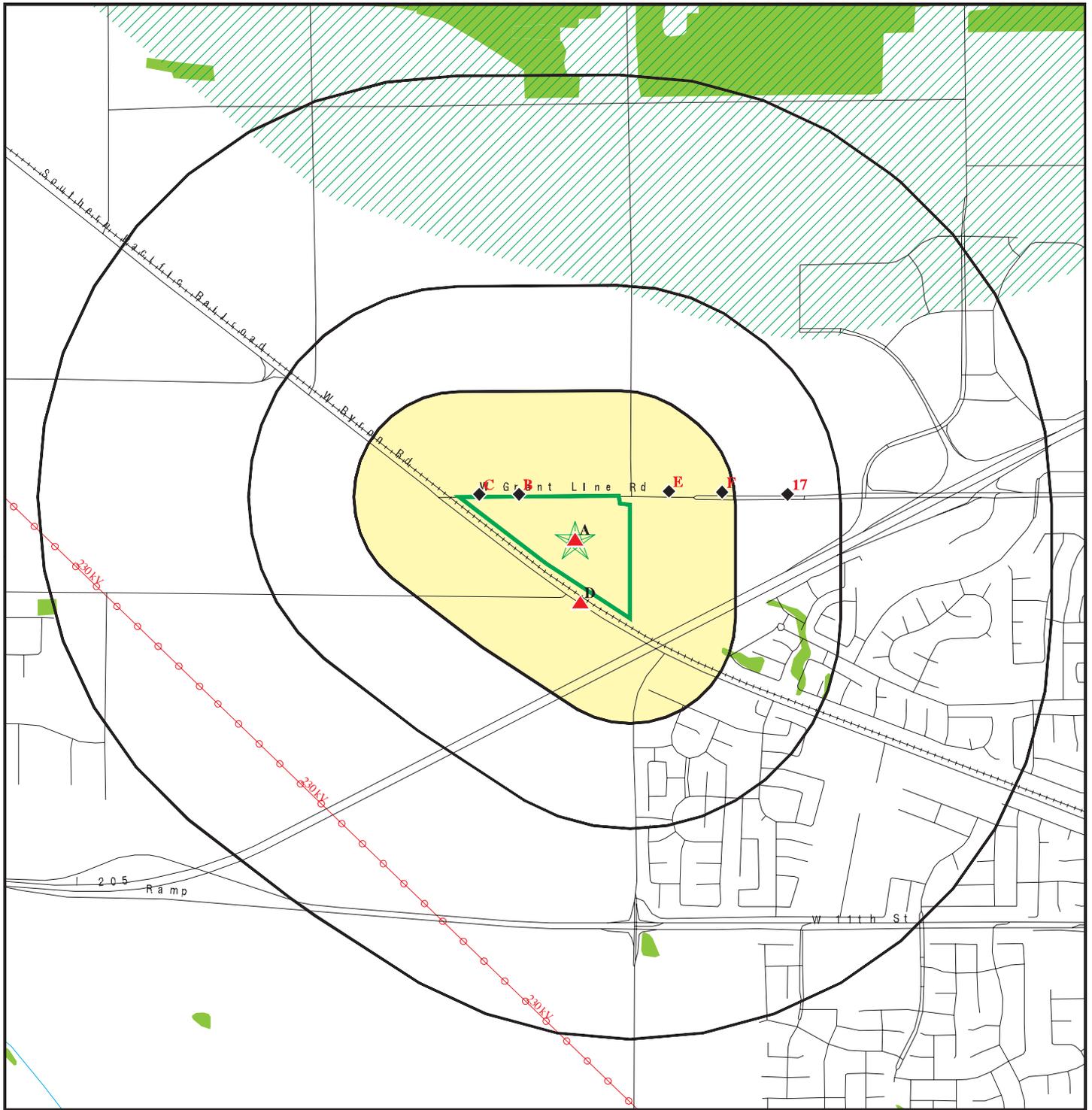
## **RECORDS SEARCH FINDINGS FOR THE PROJECT SITE**

The lists that were reviewed reported one (1) regulatory property within the boundaries of the Project site. Refer to [Exhibit 4, Overview Map](#), for a mapping of reported regulatory properties (note that Orphan Sites are not mapped).

### **Spills**

The on-site property 13880 West Grant Line Road has reported the potential presence of hazardous materials as a result of an off-site oil pipeline spill. Historically, the former Standard Oil of California, Wait-Mendota-Richmond Pipeline, or Old Valley Pipeline (OVP), and Tidewater Associated Oil Company (TAOC) pipeline trended along West Byron Road. The OVP is along the west side of the West Byron Road easement and the former TAOC pipeline is along the east side of West Byron Road along the UPRR right-of-way (also trending in the vicinity of the southern boundary of the Project site).

The OVP was installed between 1902 and 1904 as a "hot line" (i.e., the oil was heated to facilitate transmission) and carried San Joaquin Valley crude oil north from the Kern River Oil Fields (in and near Bakersfield) to Standard Oil Company's Richmond Refinery. The pipeline and associated pump stations operated from 1903 until the early to mid-1930s. Pump station equipment and the pipeline were removed south of Tracy and used for other pipeline construction projects in California, including a second parallel line along the OVP right-of-way. The pipelines from Tracy to Richmond were used during the early 1940s to primarily transmit Bunker C fuel oil from the refinery to railroad hubs in Tracy. The pipelines northwest of Tracy may have also been used to transport crude oil to various markets within the Bay Area until the late 1960s. The pipelines northwest of Tracy were reportedly abandoned in 1970. Where the pipelines were not abandoned in place, they were removed and their trenches were likely backfilled with the excavated native soil.



- |   |  |
|---|--|
|  Target Property   |  Indian Reservations BIA    |
|  Sites at elevations higher than or equal to the target property |  Power transmission lines   |
|  Sites at elevations lower than the target property              |  Oil & Gas pipelines        |
|  Manufactured Gas Plants   |  100-year flood zone        |
|  National Priority List Sites                                    |  500-year flood zone        |
|  Dept. Defense Sites   |  National Wetland Inventory |
|   |  Areas of Concern           |



The TAOC pipeline system was constructed in 1907, and like the OVP, transmitted heated crude oil from Bakersfield to the Bay Area. The TAOC pipeline was abandoned in the 1970s. In addition, two active pipelines exist in the UPRR ROW. These include the Kinder-Morgan pipeline and the Chevron Pipe Line Company's Bay Area Pipeline (BAPL). Other pipelines may also exist in the vicinity.

### On-Site Property Investigations

Chevron has entered into a Voluntary Cleanup Agreement (VCA) with the DTSC to review data regarding an old crude oil spill from a pipeline owned by Chevron. The on-site property (13880 West Grant Line Road) was to be developed into an apartment complex. Based on the *Review of Soil and Groundwater Investigation and Screening Health Risk Assessment of the Old Valley Pipeline Right-of-Way*, dated November 16, 1999, the DTSC determined that the analytical data supporting this investigation is adequate in both quantity and quality, and that the residual levels of petroleum-related hydrocarbons in the soils at the site are below levels that would constitute an unacceptable risk to human health and the environment. Based on the DTSC EnviroStor database, accessed on July 23, 2010, the DTSC issued a no further action status as of November 18, 1999.

Also, refer to Section 4.2, File Record Review, for a detailed discussion of the files reviewed for the on-site address 13588 West Grant Line Road.

### Off-Site Property Investigations

#### *Adjoining Catellus Site*

The Catellus property is approximately 700 acres in size and is located immediately northwest of the City of Tracy city limits, generally on either side of West Byron Road and between I-205 and Grant Line Road. The property is predominantly agricultural in nature, with one single-family residence preliminarily identified along West Byron Road. At least four former and existing petroleum pipelines parallel West Byron Road in this area.

In 2006, site investigations were undertaken as part of Chevron's "forward-looking" environmental assessment of properties along the historical pipelines. In early 2006, crude oil-affected soil and groundwater, later attributed to the OVP/TAOC leaks, were identified during a utility trench excavation. In June 2006, SAIC implemented a workplan to evaluate site conditions and the findings were provided in a September 28, 2006, report. Central Valley RWQCB staff reviewed the report in a November 16, 2006, response to Chevron, including approval for an additional investigation workplan.

Based on these investigations, SAIC concluded that the lateral and vertical extent of crude oil-affected soil for this site has been delineated and additional characterization is not needed. Vertically, affected soil has been defined at approximate depths of between 30 and 36 feet bgs. The vertical extent of affected groundwater has been delineated. However, additional investigation is needed in order to confirm if the petroleum hydrocarbons detected (at one boring location at this site) are diesel fuel or crude oil. The lateral extent of affected groundwater has been delineated except northeast of the northern area of this property. A separate workplan is proposed to be prepared to address the affected groundwater at the former Tracy Pump Station located in the vicinity.

Per additional investigations documented in a report dated January 2009, a known third-party diesel spill on APN 209-27-014 (immediately adjacent to the OVP) may have contributed to contamination at this site. The diesel spill occurred when a big-rig truck traveling in dense fog on West Grant Line Road crossed West Byron Road and crashed on APN 209-27-014 in March 2008. A purported 140 gallons of diesel leaked from the ruptured fuel tank onto surface soil. To address the diesel spill, 130 cubic yards of affected soil were reportedly excavated by a third party to approximately 10 to 12 feet bgs. Groundwater was encountered at the bottom of the excavation, but a grab groundwater sample was not collected prior to backfill.

During a call between SAIC and the RWQCB in November 2008 to discuss the results of the May 2008 site investigation, the RWQCB indicated they would request additional site investigation activities in the area of the diesel spill to determine if the total petroleum hydrocarbon (TPH) detection was the result of a historic release from the adjacent OVP. Investigations conducted by SAIC indicated that the TPH detection appears to be unrelated to the OVP. However, currently, this case remains open per the RWQCB.

## **OFF-SITE PROPERTIES**

Public records identified 10 additional listed regulatory sites located within a one-mile radius of the Project site. Off-site properties are known to handle, store, and/or maintain hazardous materials and underground storage tanks; however, the potential for contaminated groundwater to underlie the Project site, as a result of these off-site regulatory properties, is considered to be low due to the groundwater flow direction from the Project site, distance from the Project site, and/or the status of the identified sites. Refer to the Spills discussion, above, for a description of a reported spill incident from multiple pipelines that extend along the Byron Road right-of-way.

## **4.2 FILE RECORD REVIEW**

RBF requested files for the on-site APNs/addresses at the RWQCB, DTSC, and EHD on July 15, 2010. The RWQCB and DTSC indicated that no records exist for the requested on-site APNs/addresses (refer to [Appendix B](#)). However, records are available for the on-site address 13588 West Grant Line Road from the EHD.

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**COUNTY OF SAN JOAQUIN PUBLIC HEALTH SERVICES – ENVIRONMENTAL HEALTH DIVISION****Dobler Property (APN 209-27-026)**

*A Soil and Groundwater Investigation Report and Site Closure Request Dobler Property (San Joaquin County APN 209-270-26), dated March 8, 1999, was prepared for the on-site address 13588 West Grant Line Road. Based on the findings prepared by Geomatrix Consultants, Inc. (Geomatrix), very limited petroleum hydrocarbon-affected soil was encountered at 8.5 to 9.5 feet bgs. Detected constituents (pyrene and chrysene) were below their respective residential Preliminary Remediation Goals (PRGs), indicating that the presence of these constituents in soil at the site do not pose an unacceptable risk to future on-site residents. There were no detections of dissolved petroleum constituents in groundwater.*

According to a letter issued by the EHD (copy dated June 29, 1999), it is the position of the EHD that no further investigation is required for this site due to pipeline impacted soils. It is noted that any changes in the present or proposed use of the site may require further site characterization and mitigation activity. This property is listed as “agricultural use” and was environmentally evaluated for residential use. Additionally, a Soils Management Plan has been established for the mitigation of pipeline impacted soils that may be discovered as residential modifications are made.

*The Soil Management Plan San Joaquin County APN No. 209-270-26 (Soil Management Plan), dated August 1999, was prepared for the on-site address 13588 West Grant Line Road. Geomatrix has prepared this Soil Management Plan on behalf of Chevron Environmental Management Company (Chevron) to address issues associated with residual crude oil and Bunker C oil in soil that may be encountered during development improvement or maintenance activities at 13588 West Grant Line Road.*

Future development activities at the Dobler property might include construction of commercial/residential facilities, grading, paving, installation of subsurface utilities, and improvements such as landscaping. During these or any other unforeseen activities, soil affected by degraded crude oil and Bunker C oil may be encountered at approximately 8.5 to 9.5 feet bgs along the southern edge of the property that fronts Byron Road. Based on a comparison of the site-generated data to U.S. Environmental Protection Agency (U.S. EPA) Region IX’s PRGs, soil affected by degraded crude oil and Bunker C oil at the site does not pose an unacceptable risk to human health or to the environment. The site investigation and human health risk evaluation were reviewed and approved by the EHD. The Soil Management Plan was intended as a guideline for the handling, reuse, and disposal of soil affected by the degraded crude oil/Bunker C oil that may be encountered or excavated during site development, improvement, or maintenance. If oil-affected soil is encountered, Chevron should be contacted as soon as practicable to provide consultation regarding the final disposition or reuse of the soil.

### *Soil Management Plan*

The Soil Management Plan was intended to describe options for handling the soil affected by degraded crude oil/Bunker C oil if it is excavated during construction or when placing/repairing below grade utilities. The area of known impact does not extend more than 150 feet north of the property line and generally occurs between depths of 8.5 and 9.5 feet bgs.

Reuse or Disposal of Excavated Soil. Because the residual crude oil/Bunker C oil in soil does not pose an unacceptable risk to human health or the environment, it can be reused at the site. Upon encountering oil-affected soil during excavation, the following steps should be taken: (1) notify Chevron, and (2) visually identify, segregate, and stockpile the excavated oil-affected soil on site. Upon notification that degraded oil-affected soil has been encountered, a Chevron representative will consult with the appropriate party to evaluate the final disposition or reuse options and will inform PHS-EHD of the status. This consultation process is not intended to stop excavation work; earthwork may proceed during this evaluation. Because a petroleum hydrocarbon odor and crude oil residue may be present in this soil, consideration should be given to where the soil is placed.

Potential reuse options include placing the soil back into the subsurface (in trenches and other excavations) or underneath surface coverings (roads, parking areas, or other paved structures). The following guidelines are recommended: (1) if used as trench backfill, the oil-affected soil should not be placed in contact with underground utilities or areas that might require future excavation; (2) the soil should not be placed shallower than two feet bgs unless covered by pavement. If it cannot be reused in the subsurface or underneath surface coverings, the oil-affected soil should be stockpiled separately from non-affected soil excavated at the site, and Chevron will handle the disposal of the oil-affected soil (see contact list on last page). Standard industry practice should be used for dust and erosion control of the stockpiled soil. The San Joaquin County Air Pollution Control District does not require a permit to stockpile this soil.

If oil-affected soil is disposed of off-site without Chevron's prior knowledge, Chevron will not be responsible for any cost or liability associated with such disposal. In addition, it is important to consult with the disposal facility regarding potential restrictions for accepting soil affected by petroleum hydrocarbons.

Dewatering Operations. If excavation or utility repair/replacement activities require dewatering the subsurface soil near or in areas that contain affected soil, Chevron should be contacted before the start of dewatering activities to discuss potential issues regarding this activity. Chevron will review the dewatering plan and provide assistance, as necessary, to ensure that discharge water meets applicable regulatory requirements.

Health and Safety Issues. Based on the Dividend risk assessment and comparison to U.S. EPA PRGs, the oil-affected soil does not pose an unacceptable risk to human health or the environment. Construction workers or others who encounter and handle oil-affected soil do

not require any specific health and safety training above standard requirements for performing their job. The oil-affected soil may have a petroleum odor that dissipates over time, and the odor may cause temporary side effects (such as nausea, headache, etc.). If workers voluntarily choose to use air purifying respirators rather than dust masks to avoid these nuisance odors, workers must be trained and fit-tested, and must generally comply with California OSHA, CCR Title 8 Section 5144, and Federal OSHA, 29 CFR 1910.134.

*Proposition 65 Evaluation.* Chemicals identified under California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) known to cause cancer and/or reproductive toxicity have been identified in soils at the site. However, based on the results of the Dividend risk assessment and comparison to U.S. EPA PRGs, the soil conditions at the Dobler property pose no significant risk as defined by Proposition 65 under foreseeable potential exposure situations (for example, construction activities, commercial/residential land use).

It is recommended, however, that contractors provide their own evaluation of the need for Proposition 65 notification associated with other activities under their control. For example, field activities that include work within excavations or confined space areas could lead to higher short-term exposures. Such work areas may also involve exposure issues beyond the scope of previously conducted health risk assessments, such as equipment diesel exhaust or background levels of lead in soil.

### **Filius Property (APN 209-27-030)**

Based on the findings prepared by Geomatrix Consultants, Inc. (Geomatrix), this on-site property was found to have very limited petroleum hydrocarbon-affected soil that was encountered at 4 to 15 feet bgs. The concentrations of detected benzene, toluene, ethylbenzene, xylenes, and PAHs were below their respective PRGs, indicating that the presence of these constituents in soil at the site, including the potential for additivity due to multiple constituents, do not pose an unacceptable risk to the health of future on-site residents. Also, there were no significant sources of dissolved petroleum constituents in groundwater.

The *Soil Management Plan San Joaquin County APN No. 209-270-30*, dated December 1999, was prepared for this on-site property. Geomatrix has prepared this Soil Management Plan on behalf of Chevron to address issues associated with residual crude oil and Bunker C oil in soil that may be encountered during development improvement or maintenance activities. The findings of this Soil Management Plan are similar to those discussed in the *Soil Management Plan San Joaquin County APN No. 209-270-26*, dated August 1999, prepared for the on-site address 13588 West Grant Line Road (see discussion above).

Per a letter issued by the DTSC, dated November 18, 1999, in general, the DTSC concurs that the analytical data supporting this investigation is adequate in both quantity and quality, and that the residual levels of petroleum-related hydrocarbons in the soils at the site are below levels that would constitute an unacceptable risk to human health and the environment. This

concurrence only applies to the contamination due to the petroleum pipeline release and does not apply to any other potential contamination issue at the site. The DTSC finds that no additional work is needed to characterize the site for any contamination due to the petroleum pipeline release. Also, per a letter issued by the RWQCB, dated November 8, 2002, no further action is required at the site.

### **Vapor Intrusion**

Volatile organic chemicals (VOCs) in the subsurface, whether in soil or groundwater, can migrate upward through the soil and enter into buildings, thus causing vapor intrusion. The DTSC requires that the human health risk be evaluated, and if VOCs are present, exposure from vapor intrusion should be included in the human health risk evaluation. The DTSC provides guidance on conduction vapor intrusion assessments.<sup>1</sup> Per an interview conducted with Mr. Michael Infurna of the EHD, the previously prepared Soil Management Plan for the property did not consider vapor intrusion. Therefore, Mr. Infurna advised that the Soil Management Plan should ensure the site characterization and extent of contamination is verified and updated, if necessary, and a vapor intrusion study should be prepared.

## **4.3 HISTORICAL USE INFORMATION ON THE PROJECT SITE AND ADJOINING PROPERTIES**

### **STANDARD HISTORICAL SOURCES**

The following historical and regulatory information is based upon the review of available historical maps and documents, available public information, interviews, and a review of a series of historical aerial photographs (dating from 1957 to 2005).

#### **Property Data**

Property information was available for the Project site via *San Joaquin County District Viewer*, maintained by San Joaquin County Geographic Information Systems, accessed on July 14, 2010. A parcel map for the Project site was reviewed as part of Map 209-27, in which the Project site is included. The Project site consists of five (5) APNs: 209-27-010, -011, -026, -030, and -031, which comprise approximately 42.3 acres (refer to [Appendix B](#)).

#### **Building Department Records**

Building Department Records are those records of the local government in which the Project site is located indicating permission of the local government to construct, alter, or demolish improvements on the property. The purpose for a records review is to obtain and review available building permit records, which would help to evaluate potentially recognizable

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<sup>1</sup> Department of Toxic Substances Control, *Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*, revised February 7, 2005.

environmental condition(s) which could be connected with the Project site. RBF requested publicly available building permits for the on-site addresses from the County of San Joaquin Building Department on July 15, 2010. Per the County's response on July 15, 2010, records are maintained for two (2) on-site addresses (14044 West Grant Line Road and 13880 West Grant Line Road). Building records reviewed consisted of two (2) building permits for 13880 West Grant Line Road (dated 1992 and 1994) and one (1) building permit for 14044 West Grant Line Road (in 1999). No other records are maintained for the Project site by the County (refer to [Appendix B](#)).

### **Zoning/Land Use Records**

Zoning/land use records generally consist of records maintained by the local government in which the subject site is located. They indicate the uses permitted by the local government for particular zones within its jurisdiction. The records may consist of maps and/or written records. According to the *San Joaquin County District Viewer*, the land use designation of the Project site is A/G (General Agriculture) and the zoning is AG-40 (General Agriculture, 40-acre minimum parcel size) for all of the on-site parcels (refer to [Appendix B](#)).

### **Local Street Directories**

City directories, published by private companies (or sometimes the government), provide a chronological sequence of past site ownership, occupancy, and/or uses for a property by reference of an address. This type of search is particularly effective to determine the past uses of developed properties. EDR provided a City Directory Search (searched the years 1959 through 2000) for the Project site on July 19, 2010. According to the City Directory Search, the Project site (13880 [historically 95376] West Grant Line Road, 14010 West Grant Line Road, and 13588 West Grant Line Road) was listed as *residential* uses and *not verified* (refer to [Appendix B](#)).

### **Historical Aerial Photograph Review**

RBF reviewed available aerial photographs for the Project site and immediately adjacent areas to assist in the identification of development activities that have historically occurred on-site. Review of available historical aerial photographs dated 1957 through 2005 provided the following chronological sequence of site history. The aerial photographs were provided by EDR and are included in [Appendix B](#).

1957-

1972: In the 1957 through 1972 aerial photographs, the Project site appears to consist of agricultural uses and rural development. Two uses (with multiple structures) are noted within the northwestern and northeastern portions of the Project site. The remainder of the Project site appears to consist of agricultural uses. One railroad feature and a paved roadway are noted trending along the southern boundary of the Project site. One improved roadway is noted

trending along the northern Project boundary. Surrounding land uses appear to consist of agricultural uses and rural development. Other development of an unknown use is noted along the railroad feature, to the south and southeast of the Project site. In the 1972 aerial photograph, a freeway is noted to the southeast of the Project site, trending in a southwest/northeast direction.

1982: In the 1982 aerial photograph, one additional developed use is noted within the central-northern portion of the Project site. On-site land uses appear to consist of agricultural uses. Also, three (3) unimproved roadway features are visible on-site, trending in a north/south direction. Surrounding land uses appear to consist of agricultural uses and rural development.

1993-

1998: In the 1993 through 1998 aerial photographs, development within the Project site appears similar to that viewed in the 1982 aerial photograph. Three (3) on-site uses (with multiple structures) are visible on-site. Agricultural uses are also noted on-site. No on-site roadway features are visible on the 1993 and 1998 aerial photographs. Surrounding land uses appear to consist of agricultural uses and rural development. Uses to the east of the Project site appear to be highly disturbed. One (1) large structure is visible within this disturbed area. This area appears to consist of a shopping center and associated surface parking in the 1998 aerial photograph.

2005: In the 2005 aerial photograph, the Project site and surrounding land uses appear similar to that viewed in the 1993 through 1998 aerial photographs. Land uses to the east appear to have been further developed with shopping center land uses and associated surface parking lots. Also, residential development is noted to the southeast of the Project site.

Based on review of the above-referenced historical aerial photographs, the Project site appears to have primarily consisted of agricultural land uses (from prior to 1957 to current) and three (3) areas of rural developed land uses (with multiple structures, most of which appear to have been constructed prior to 1957). Also, the adjoining railroad feature and improved roadways to the south and north appear to have been present since prior to 1957.

### **Sanborn Map Review**

Sanborn maps contain detailed drawings, which indicate the location and use of structures on a given property during specific years. These maps were originally produced to show buildings in sufficient detail for insurance underwriters to evaluate fire risks and establish premiums, but now are utilized as a valuable source of historical and environmental risk information. RBF requested available historical Sanborn Fire Insurance Maps for the Project site from EDR, which were received July 15, 2010. However, the certified Sanborn results indicate that the Project site and immediate vicinity are areas of unmapped property. Therefore, Sanborn maps were not

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available for the Project site and immediate vicinity at the time of this Assessment (refer to [Appendix B](#)).

### Historical Topographic Map Review

RBF reviewed historical topographic maps dated 1914 through 1981 for the Project site and adjacent areas provided by EDR. Review of available historical topographic maps provided the following chronological sequence of site history. Copies of the historical topographic maps as well as the most recent topographic map are included in [Appendix B](#).

1914-

1922: In the 1914 through 1922 USGS *Union Island and Tracy, California* Quadrangles (7.5 Minute ['] Series maps), the Project site consists of vacant land. Generally the elevation appears to be approximately 22 to 30 feet above msl and sloping northeast. Surrounding land uses appear to consist of vacant land and infrastructure. The Southern Pacific Railroad is visible trending along the southern boundary of the Project site. Also, a pumping plant is noted to the northwest of the Project site. Note that adjacent land uses to the south are represented in the 1916 and 1922 topographic maps, whereas the Project site is represented in the 1914 topographic map.

1947-

1954: In the 1947 through 1954 USGS *Union Island and Tracy, California* Quadrangles (7.5' Series maps), on-site topography appears to be similar to that viewed in the 1914 topographic map. Note that the Project site and majority of the surrounding area is represented by the 1952 topographic map, whereas the adjacent land uses to the south of the Project site are represented in the 1947 and 1954 topographic maps. Three (3) structures are noted in the northwestern (two structures) and northeastern (one structure) portions of the Project site. Two (2) improved roadways bound the Project site, Grant Line Road to the north and Byron Road to the south (located further south of the Southern Pacific Railroad). Two (2) overhead power lines (220 kV PG&E power lines) are visible traversing the southeastern portion of the Project site in a southwest/northeast direction. Multiple structures are visible surrounding the Project site (particularly along Byron Road to the south and along the Southern Pacific Railroad). Multiple canal features are visible in the surrounding area. Also, large oil tanks are noted to the northwest of the Project site, along the Southern Pacific Railroad.

1968: In the 1968 USGS *Union Island and Tracy,, California* Quadrangles (7.5' Series maps), the Project site continues to consist of three structures and vacant land. I-205 is noted as under construction. Surrounding land uses are similar to that viewed in the 1952 topographic map.

1978-

1981: In the 1978 and 1981 USGS *Union Island and Tracy, California* Quadrangles (7.5' Series maps), the Project site appears similar to that viewed in the 1952 through 1968 topographic maps. Note that the Project site and majority of the surrounding area are represented in the 1978 topographic map, whereas the adjacent land uses to the south are represented in the 1981 topographic map. The surrounding land uses appear to consist of vacant land and sparse structures. Also, I-205 is visible to the southeast of the Project site. Off-site structures, to the south of Bryon Road and the Southern Pacific Railroad (viewed in the 1968 through 1952 topographic maps), have been significantly reduced to only a few structures.

Based on review of the above-referenced historical topographic maps, the Project site appears to have consisted of three (3) on-site structures (constructed between 1914 and 1952) and vacant land.

### **California Department of Oil, Gas, and Geothermal Resources**

RBF reviewed the California Department of Oil, Gas, and Geothermal Resources (DOGGR) online mapping system on July 27, 2010, which indicates existing and historical oil and gas wells within one (1) mile of the Project site. Current well status for any well indicated in the online mapping system should be confirmed at the appropriate Division of Oil and Gas District Office. The Project site does not appear to be located in a sedimentary basin with oil, gas, or geothermal production. No wells were visible within the boundaries of the Project site. Nine wells are noted within a one-mile radius of the Project site; however, these off-site wells are reported to be plugged and abandoned (refer to [Appendix B](#)).

### **Other Documentation**

Other historical sources include miscellaneous maps, newspaper archives, and records in the files and/or personal knowledge of the property owner and/or occupants. No other sources were reviewed by RBF at the time of this Assessment.

## **5.0 SITE RECONNAISSANCE**

### **5.1 METHODOLOGY AND LIMITING CONDITIONS**

RBF conducted a visual site inspection on August 11, 2010. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying potential hazardous materials concerns, including hazardous substances and petroleum products in connection with the on-site properties (including soils, surface water, and groundwater). During the site inspection, RBF performed a visual observation of readily accessible areas of the Project site and immediately adjoining properties. Conditions encountered by RBF which limited the performance of this Assessment included limited accessibility of residential use areas and dense vegetation. In areas where dense vegetation was present, RBF was unable to visually observe areas of bare soil.

### **5.2 ON-SITE OBSERVATIONS**

#### **DESCRIPTION OF ON-SITE STRUCTURES AND/OR USES**

RBF observed agricultural and rural residential land uses within the Project site during the August 11, 2010, site visit; refer to [Exhibit 5, \*On-Site Photographs\*](#). Four (4) residential structures, three (3) wooden shed structures, one (1) metal shed structure (used for a garage associated with residential uses), and two (2) metal barn structures were observed in the northern portion of the Project site along Grant Line Road. The remainder of the on-site land uses consist of agricultural uses and vacant land.

#### **ASBESTOS-CONTAINING MATERIAL**

Asbestos is a strong, incombustible, and corrosion resistant material, which was used in many commercial products since prior to the 1940s and up until the early 1970s. If inhaled, asbestos fibers can result in serious health problems. Asbestos-Containing Materials (ACMs) are building materials containing more than one percent (1%) asbestos (some state and regional regulators impose a one-tenth of one percent [0.1%] threshold). Multiple permanent on-site structures (constructed prior to 1978) exist within the boundaries of the Project site; therefore, the potential for ACMs to be found on-site is considered likely.

#### **LEAD-BASED PAINTS**

Until 1978, when the U.S. Consumer Product Safety Commission (CPSC) phased out the sale and distribution of residential paint containing lead, many homes were treated with paint containing some amount of lead. It is estimated that over 80 percent of all housing built prior to 1978 contains some Lead-Based Paints (LBP). The mere presence of lead in paint may not constitute a material to be considered hazardous. In fact, if in good condition (no flaking or



View of the on-site garage structure located in the northwestern portion of the Project site.



View of on-site metal barn structures and rural residential uses.



View of on-site agricultural uses in the central portion of the Project site.



View of typical on-site utilities and agricultural uses.

peeling), most intact LBP is not considered to be a hazardous material. In poor condition LBPs can create a potential health hazard for building occupants, especially children. Multiple permanent on-site structures (constructed prior to 1978) exist within the boundaries of the Project site; therefore, the potential for LBPs to be found on-site is considered likely.

### **SOLID WASTE DISPOSAL**

RBF observed miscellaneous debris in the northwestern portion of the Project site (i.e., stockpiled concrete, stockpiled wood, and stockpiled automobiles) typical of rural residential uses. No hazardous materials, staining, or odors were noted within areas of miscellaneous debris. No other evidence of solid waste disposal was noted at the Project site during the August 11, 2010, site visit.

### **UTILITIES**

Utilities (overhead power lines with pole-mounted transformers) were noted within the northern portion of the Project site during the August 11, 2010, site inspection. Also, large overhead transmission line towers were visible within the southeastern portion of the Project site. Sewer manholes were noted throughout the Project site. No staining or leaking associated with on-site utilities was observed.

### **POLYCHLORINATED BIPHENYLS (PCBS)**

Pole-mounted transformers were noted on-site during the site inspection. On-site transformers appeared to be in fair condition and no staining or leaking was noted.

### **CHEMICAL STORAGE TANKS (ASTS AND USTS) AND DIESEL GENERATORS**

During the August 11, 2010, site inspection, the Project site was inspected for fill pipes, vent pipes, areas of abnormal or heavy staining, manways, manholes, access covers, concrete pads not homogenous with surrounding surfaces, concrete build-up areas potentially indicating pump islands, abandoned pumping equipment, or fuel pumps.

Two (2) aboveground storage tanks (ASTs) containing propane/natural gas were noted at the 14010 and 13588 West Grant Line Road properties. No evidence to suggest the storage of hazardous materials were noted on-site; no other evidence to suggest the presence of ASTs or USTs was noted during the site visit.

## **SPILLS**

No visual or physical evidence of stained catch basins, or drip pads, was observed during the site visit. It should be noted that RBF was unable to observe areas of bare soil where dense vegetation was present on-site.

## **WELLS**

No water wells were observed on-site during the site visit.

## **PITS, PONDS, LAGOONS**

No pits, ponds, or lagoons were observed during the site visit.

## **SEPTIC SYSTEMS**

Residential septic systems are possible receivers of household waste and can be the source for soil and groundwater contamination. RBF did not observe evidence to suggest the location(s) of on-site septic systems; however, based on interviews conducted for the Project site, septic systems are known to be present on-site in association with residential uses located along West Grant Line Road.

## **HAZARDOUS MATERIALS**

During a preliminary observation of the Project site on August 11, 2010, no visible or physical evidence was observed to suggest that a surface release of hazardous materials or petroleum based materials have recently occurred.

## **5.3 OFF-SITE OBSERVATIONS**

An adjoining property is considered any real property or properties that the border of which is contiguous or partially contiguous with that of the Project site, or that would be contiguous or partially contiguous with that of the Project site but for a street, road, or other public thoroughfare separating them. An adjacent property is any real property located within 0.25 miles of the Project site's border. Visual observations of the publicly accessible portions of adjoining properties were conducted on August 11, 2010, as part of this Assessment and are described below.

Off-site uses consisted of agricultural and rural residential uses to the north; commercial and vacant uses to the east; and railroad, agricultural, and rural residential uses to the south and west; refer to Exhibit 6, Off-Site Photographs.



View to the north of the Project site toward agricultural uses.



View of typical commercial uses to the east of the Project site.



View to the south of the Project site toward the railroad, agricultural uses, and utilities.



View of rural residential uses and utilities to the west of the Project site.

## **UTILITIES**

Evidence of underground off-site utilities was noted along the railroad to the southwest of the Project site. Visible evidence included utilities signage for gas pipeline(s) and fiber optic cable, as well as metal ventilation piping. Minor odors were present along the railroad right-of-way.

## **CHEMICAL STORAGE TANKS**

Visible evidence to suggest the presence of USTs was noted at the adjoining retail center (at Costco Wholesale) via fuel pump islands. No other evidence of chemical storage tanks was noted within adjacent properties during the August 11, 2010, site visit.

## **HAZARDOUS MATERIALS**

During a preliminary observation of accessible adjoining properties, no visible or physical evidence was observed to suggest that a surface release of petroleum-based material has recently occurred, other than the minor odors noted along the railroad to the southwest of the Project site. No other unusual or suspicious materials handling or storage practices were observed with respect to adjacent properties.

## 6.0 CONCLUSIONS

The following conclusions are based upon review of reasonably ascertainable reference material available to RBF during the preparation of this Assessment, which included the review of regulatory databases, historical aerial photographs, historical topographic maps, other documentation, interviews, and a site visit. It should be noted that RBF did not conduct environmental sampling as part of this Assessment, nor does this Assessment satisfy the requirements of the ASTM Standard Practice E 1527-05.

### 6.1 CURRENT USES

The Project site consists of four (4) residential structures, four (4) shed structures (including the garage structure), two (2) barn structures, and agricultural uses. Residential structures consist of wood and stucco materials, while three (3) of the shed structures are wooden, and the barn structures and garage consist of metal materials.

The Project site is currently utilized for agricultural purposes. No evidence to suggest the presence of an environmental condition at the Project site as a result of current agricultural practices was apparent during the August 11, 2010, site visit. Also, no storage areas or other agricultural equipment was observed on-site. Thus, it is the opinion of RBF that no hazardous materials contamination has resulted at the Project site due to current agricultural operations.

### 6.2 HISTORICAL USES

The Project site has been historically utilized for agricultural purposes (since prior to 1957 until the present day). Therefore, a combination of several commonly-used pesticides (i.e., DDD, DDT, DDE), which are now banned, may have been used throughout the Project site. The historical use of agricultural pesticides may have resulted in pesticide residues of certain persistence in soil at concentrations that are considered to be hazardous based on established Federal regulatory levels. The primary concern with historical pesticide residues is human health risk from inadvertent ingestion of contaminated soil, particularly by children. The presence of moderately elevated pesticide residuals in soil presents potential health and marketplace concerns.

The Project site has historically been utilized for agricultural purposes for several decades (since prior to 1957 until the present based on interviews, historic aerial photographs, and the site visit) and may contain pesticide residues in the soil. It is RBF's opinion that the historic agricultural practices at the Project site have resulted in potential hazardous materials contamination within the on-site soils.

### 6.3 SPILLS

There is reported residual crude oil and Bunker C oil in the soil along the southern portion of the Project site as a result of two off-site oil pipelines. Historically, the OVP and TAOC pipelines trended along West Byron Road. The OVP is along the west side of the West Byron Road easement and the former TAOC pipeline is along the east side of West Byron Road along the UPRR right-of-way (also trending in the vicinity of the southern boundary of the Project site). In addition, two active pipelines exist in the UPRR right-of-way. These include the Kinder-Morgan pipeline and the BAPL. Other pipelines may also exist in the vicinity.

Site investigations have been undertaken by Chevron for properties along the historical pipelines (which included portions of the Project site). Crude oil affected soil, later attributed to the OVP/TAOC leaks, were identified.

Soil and Groundwater Investigations, Site Closure Requests, and Soil Management Plans have been prepared for the Project site (APNs 209-27-026 and -030). Based on these reports, very limited petroleum hydrocarbon-affected soil was encountered at 4 to 15 feet bgs. Detected constituents (pyrene and chrysene) were below their respective residential PRGs, indicating that the presence of these constituents in soil at the site do not pose an unacceptable risk to future on-site residents. Also, the concentrations of detected benzene, toluene, ethylbenzene, xylenes, and PAHs were below their respective PRGs, also indicating that the presence of these constituents in soil at the site, including the potential for additivity due to multiple constituents, do not pose an unacceptable risk to the health of future on-site residents. There were no detections of dissolved petroleum constituents in groundwater.

According to letters issued by the DTSC, RWQCB, and the EHD, no further investigation is required for this site due to pipeline impacted soils. It is noted that any changes in the present or proposed use of the site may require further site characterization and mitigation activity.

Per an interview conducted with Mr. Michael Infurna of EHD, the Soil Management Plans previously prepared for the Project site do not consider vapor intrusion. Due to the known level of past contamination at the Project site, Mr. Infurna advised that the site characterization and extent of contamination at the project site be updated for present day conditions. Mr. Infurna also recommended a vapor intrusion, as it applies to on-site contaminated soils, be considered.

Although there is a known presence of hazardous materials contamination in on-site soils along the southern portions of the Project site, these detected concentrations do not pose an unacceptable risk to the health of future on-site residents, as determined in 1999. However, recent changes to the regulatory framework, as applicable to the Project, currently require further investigations to potential on-site vapor intrusion that may result from on-site contaminated soils. Thus, it is RBF's opinion that these historic spills associated with off-site

petroleum pipelines have resulted in soil contamination at the Project site and potential vapor intrusion impacts may be present.

Per additional investigations documented in a report dated January 2009, a known third-party diesel spill on APN 209-27-014 (immediately adjacent to the OVP) may have contributed to contamination at this site. The diesel spill occurred when a big-rig truck traveling in dense fog on West Grant Line Road crossed West Byron Road and crashed on APN 209-27-014 in March 2008. A purported 140 gallons of diesel leaked from the ruptured fuel tank onto surface soil. To address the diesel spill, 130 cubic yards of affected soil were reportedly excavated by a third party to approximately 10 to 12 feet bgs. Groundwater was encountered at the bottom of the excavation, but a grab groundwater sample was not collected prior to backfill. Although approximately 130 cubic yards of affected soil were reportedly excavated to approximately 10 to 12 feet bgs, the adjoining up-gradient off-site property to the south reported concentrations in the groundwater as a result of this spill. Thus, it is RBF's opinion that this off-site spill has potentially resulted in groundwater contamination to the Project area.

#### **6.4 RAILROAD RIGHT-OF-WAY**

The UPRR Railroad is located along the southern boundary of the Project site. It should be noted that the UPRR Railroad is historically referenced as the Southern Pacific Railroad within this Assessment. No railroad-related land uses or railroad spurs are located within the boundaries of the Project site.

Active and inactive railroad beds frequently have concentrations of petroleum products and lead elevated above natural background conditions. Petroleum product concentrations and lead concentrations are derived from drippings from rail vehicles and flaked paint, respectively. Wooden railroad ties may contain preservatives (i.e., creosote), some of which may contain hazardous constituents. Track switch locations often have elevated levels of petroleum hydrocarbons. Inorganic and organic herbicides, along with diesel fuel, may have been used for vegetation control. As the proposed Project would not involve the disturbance of existing or historical railroad rights-of-way, it is unlikely that the Project would involve the disturbance of potential hazardous materials in the soil as a result of the off-site railroad.

#### **6.5 ASBESTOS-CONTAINING MATERIALS**

Asbestos is a strong, incombustible, and corrosion-resistant material that was used in many commercial products, beginning before the 1940s and continuing until the early 1970s. If inhaled, asbestos fibers can result in serious health problems. ACMs are building materials containing more than one percent asbestos. The majority of the existing structures present within the Project site have been built prior to 1978. Therefore, the potential for ACMs to be found in the Project site is considered likely.

## 6.6 LEAD-BASED PAINTS

Until 1978, when the U.S. Consumer Product Safety Commission (CPSC) phased out the sale and distribution of residential paint containing lead, many homes were treated with paint containing some amount of lead. It is estimated that over 80 percent of all housing built prior to 1978 contains some LBP. The mere presence of lead in paint may not cause a material to be considered hazardous. In fact, if in good condition (no flaking or peeling), most intact LBP is not considered to be a hazardous material. In poor condition, LBPs can create a potential health hazard for building occupants, especially children. The majority of the existing structures present within the Project site have been built prior to 1978. Therefore, the potential for LBPs to be found within the boundaries of the Project site is considered likely.

## 7.0 LIST OF PREPARERS

### **RBF Consulting**

This Existing Hazardous Materials Conditions Assessment was overseen by Mr. Richard Beck, Certified Environmental Professional (CEP), Certified Environmental Manager (CEM), Registered Environmental Assessor (REA) who conducted the overall Quality Assurance/Quality Control. Ms. Kristen Bogue, Certified Environmental Inspector (CEI), REA, prepared and reviewed this Assessment, as well as assisted with gathering records and research for this Assessment. Document research and records gathering was also conducted by Ms. Kelly Chiene. The site reconnaissance for this Assessment was conducted by Ms. Kristen Bogue and Ms. Kelly Chiene.

#### **Richard Beck, CEP #10050455, CEM #10084, REA #08065**

##### *Environmental Professional*

Mr. Beck graduated from the University of California, Santa Cruz, with a degree in Environmental Studies. Mr. Beck's professional environmental experience of 10 years includes the management, review, and preparation of hazardous material assessments, which include: Phase I Environmental Site Assessments, Initial Site Assessments for the California Department of Transportation (Caltrans), Preliminary Hazardous Material Assessments, Existing Hazardous Material Conditions Assessments, and Environmental Baseline Surveys for the Department of the Navy for sites located throughout California, Nevada, and Arizona. Mr. Beck has prepared hundreds of hazardous materials assessments, which include detailed literature/historical reviews, thorough site reconnaissance, interviews, and professional recommendations with respect to remedial activities and/or housekeeping practices. Nationally, Mr. Beck is an active member of the Environmental Assessment Association's Advisory Council.

#### **Kristen Bogue, REA #30216, CEI #9924**

##### *Environmental Services*

Ms. Bogue graduated from the University of California, Irvine, with a degree in Environmental Analysis and Design. Mr. Bogue's professional environmental experience of five years includes the management, review, and preparation of hazardous material assessments, which include: Phase I Environmental Site Assessments, Initial Site Assessments for the California Department of Transportation (Caltrans), Preliminary Hazardous Material Assessments, Existing Hazardous Material Conditions Assessments, and Environmental Baseline Surveys for the Department of the Navy for sites located throughout California, Nevada, and Arizona. As an environmental analyst, Ms. Bogue is also involved with preparation of Environmental Documentation compliant with the California Environmental Quality Act (CEQA)/National Environmental Protection Act (NEPA), Visual Impact Assessments (VIAs), field studies, as well as various

technical studies in support of CEQA and NEPA. In the past five years Ms. Bogue has personally evaluated over 250 real properties in California.

**Kelly Chiene***Environmental Analyst*

Ms. Chiene graduated from California Polytechnic State University, San Luis Obispo, with a degree in City and Regional Planning with a concentration in Environmental Studies. Ms. Chiene assists in the preparation of environmental and planning studies for public and private sector clients. As an Environmental Analyst at RBF, Ms. Chiene is involved with the preparation of several technical studies associated with CEQA documents. Ms. Chiene's professional environmental experience of 2 years includes the preparation of hazardous material assessments, which include: Phase I Environmental Site Assessments, Initial Site Assessments for the California Department of Transportation (Caltrans), and Preliminary Hazardous Material Assessments for sites located throughout California.

## 8.0 REFERENCES

Date	Approximate Scale	Source
1957	1'=555'	Cartwright
1968	1'=500'	McDonald Douglas
1972	1'=600'	Cartwright
1982	1'=690'	USGS
1993	1'=666'	USGS
1998	1'=666'	USGS
2005	1'=604'	EDR

Note: 1957-2005 Historical Aerial Photographs provided by Environmental Data Resources, Inc., on July 19, 2010

Building Records, County of San Joaquin Building Department, requested on July 15, 2010, response on July 15, 2010 via facsimile

County of San Joaquin Public Health Services – Environmental Health Division, files requested on July 15, 2010, County responded on July 26, 2010, files reviewed on August 11, 2010

Department of Toxic Substances Control, files requested on July 15, 2010, staff responded on July 19, 2010

Department of Conservation, Division of Oil, Gas & Geothermal Resources, Version 2.1 of the Online Mapping System (DOMS), <http://maps.conservation.ca.gov/doms/index.html>, accessed on July 27, 2010

EDR City-Directory Abstract, Environmental Data Resources, Inc., dated July 19, 2010

EDR Radius Map with GeoCheck, Environmental Data Resources, Inc., dated July 15, 2010

EnviroStor, Department of Toxic Substances Control, accessed July 23, 2010

EPA Map of Radon Zones, U.S. EPA, 1993

Flood Insurance Rate Map, Federal Emergency Management Agency, Index Map Number 06077C0590F, panel 590 of 950, effective date October 16, 2009

GeoTracker, State Water Resource Control Board, accessed July 23, 2010

Low-Risk Closure Request, prepared by Geomatrix Consultants, Inc., dated September 13, 2001

Regional Water Quality Control Board, files requested on July 15, 2010, staff responded on July 16, 2010

San Joaquin County District Viewer, maintained by San Joaquin County Geographic Information Systems, San Joaquin County official website, accessed on July 14, 2010

Soil and Groundwater Investigation Report and Site Closure Request, prepared by Geomatrix Consultants, Inc., dated February 17, 1999

Soil Management Plan San Joaquin County APN No. 209-270-26, prepared by Geomatrix Consultants, Inc., dated August 1999

Soil Management Plan San Joaquin County APN No. 209-270-30, prepared by Geomatrix Consultants, Inc., dated December 1999

Sanborn Fire Insurance Maps, provided by EDR, via The Sanborn Library, LLC, searched July 15, 2010

Site Visit, conducted on August 11, 2010

Tracy Fire Department, files requested on July 15, 2010, Department responded on July 15, 2010

USDA Soil Conservation Service Soil Survey, Soil Survey of San Joaquin County, California, dated October 1992

USGS Historical Topographic Quadrangles, Union Island, Tracy, and Carbona, California Quadrangles, dated 1914 through 1981

USGS Topographic Quadrangle, Union Island, California and Tracy, California Quadrangles, dated 1978 and 1954 (photorevised 1981), respectively

## **APPENDICES**

**APPENDIX A**  
**EDR Database Search**

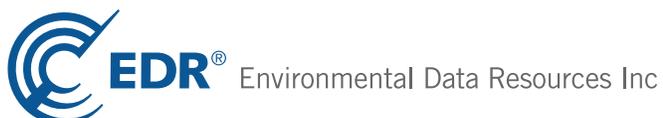
**Filios/Dobler Annexation**

13588, 13880, 14044, 14010 W. Grant Line Road  
Tracy, CA 95304

Inquiry Number: 2816742.2s

July 15, 2010

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



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Milford, CT 06461  
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[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

13588, 13880, 14044, 14010 W. GRANT LINE ROAD  
TRACY, CA 95304

#### COORDINATES

Latitude (North): 37.752600 - 37° 45' 9.4"  
Longitude (West): 121.479200 - 121° 28' 45.1"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 633976.8  
UTM Y (Meters): 4179249.8  
Elevation: 28 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37121-G4 UNION ISLAND, CA  
Most Recent Revision: 1978  
  
South Map: 37121-F4 TRACY, CA  
Most Recent Revision: 1981

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2006, 2005  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
OLD VALLEY PIPELINE - MANSFIELD S 13880 W GRANT LINE RD TRACY, CA 95304	FINDS	N/A
OLD VALLEY PIPELINE - MANSFIELD S 13880 W GRANT LINE RD TRACY, CA 95304	VCP ENVIROSTOR Status: No Further Action	N/A

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

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

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

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

Delisted NPL..... National Priority List Deletions

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

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

#### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

#### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

RESPONSE..... State Response Sites

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

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

# EXECUTIVE SUMMARY

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

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

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

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

## ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

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

US CDL..... Clandestine Drug Labs

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

Toxic Pits..... Toxic Pits Cleanup Act Sites

CDL..... Clandestine Drug Labs

US HIST CDL..... National Clandestine Laboratory Register

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

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

LIENS..... Environmental Liens Listing

DEED..... Deed Restriction Listing

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

HMIRS..... Hazardous Materials Information Reporting System

CHMIRS..... California Hazardous Material Incident Report System

LDS..... Land Disposal Sites Listing

MCS..... Military Cleanup Sites Listing

### ***Other Ascertainable Records***

RCRA-NonGen..... RCRA - Non Generators

## EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CA WDS.....	Waste Discharge System
NPDES.....	NPDES Permits Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
Notify 65.....	Proposition 65 Records
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
MWMP.....	Medical Waste Management Program Listing
PROC.....	Certified Processors Database

### EDR PROPRIETARY RECORDS

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

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

# EXECUTIVE SUMMARY

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal RCRA generators list***

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

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>COSTCO WHOLESALE 658</b>	<b>3250 W GRANTLINE RD</b>	<b>E 0 - 1/8 (0.090 mi.)</b>	<b>E12</b>	<b>16</b>

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

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

A review of the LUST list, as provided by EDR, and dated 06/22/2010 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>INTERLAND CORP</b> Status: Completed - Case Closed	<b>8715 GRANT LINE RD W</b>	<b>N 0 - 1/8 (0.006 mi.)</b>	<b>C7</b>	<b>13</b>
<b>J.B. TERMINAL</b> Status: Completed - Case Closed	<b>6700 GRANT LINE RD W</b>	<b>ENE 0 - 1/8 (0.098 mi.)</b>	<b>E14</b>	<b>20</b>

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

A review of the SLIC list, as provided by EDR, and dated 06/22/2010 has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON PIPE LINE COMPANY, MCC	12450 BYRON RD W	SSW 0 - 1/8 (0.033 mi.)	D11	16

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

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

A review of the UST list, as provided by EDR, and dated 06/22/2010 has revealed that there are 3 UST

## EXECUTIVE SUMMARY

sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALDRONS GENERAL STORE	12750 W BYRON RD	SSW 0 - 1/8 (0.033 mi.)	D10	15

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COSTCO GASOLINE FAC #658	3250 W GRANT LINE RD	E 0 - 1/8 (0.090 mi.)	E13	19
WALMART SUPERCENTER #2025	3010 W GRANT LINE RD	E 1/8 - 1/4 (0.239 mi.)	F16	22

### ADDITIONAL ENVIRONMENTAL RECORDS

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

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CALDRONS GENERAL STORE</i>	<i>12750 W BYRON ROAD</i>	<i>SSW 0 - 1/8 (0.033 mi.)</i>	<i>D9</i>	<i>14</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>STANLEY ROBERTSON</i>	<i>8063 W GRANTLINE RD</i>	<i>N 0 - 1/8 (0.005 mi.)</i>	<i>B3</i>	<i>10</i>
<i>TONY CARDOZA ET AL</i>	<i>8715 W GRANTLINE RD</i>	<i>N 0 - 1/8 (0.006 mi.)</i>	<i>C6</i>	<i>12</i>
<i>NELSON COSTA</i>	<i>6200 W GRANTLINE RD</i>	<i>E 1/8 - 1/4 (0.221 mi.)</i>	<i>F15</i>	<i>21</i>

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALDRON'S GENERAL STORE	12750 WEST BYRON ROAD	SSW 0 - 1/8 (0.033 mi.)	D8	14

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STANLEY ROBERTSON	8063 W GRANT LINE RD	N 0 - 1/8 (0.005 mi.)	B4	11
VELMA PIMENTEL & SONS DAIRY	8297 W GRANT LINE RD	N 0 - 1/8 (0.005 mi.)	B5	11

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CALDRONS GENERAL STORE</i>	<i>12750 W BYRON ROAD</i>	<i>SSW 0 - 1/8 (0.033 mi.)</i>	<i>D9</i>	<i>14</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>STANLEY ROBERTSON</i>	<i>8063 W GRANTLINE RD</i>	<i>N 0 - 1/8 (0.005 mi.)</i>	<i>B3</i>	<i>10</i>
<i>TONY CARDOZA ET AL</i>	<i>8715 W GRANTLINE RD</i>	<i>N 0 - 1/8 (0.006 mi.)</i>	<i>C6</i>	<i>12</i>
<i>NELSON COSTA</i>	<i>6200 W GRANTLINE RD</i>	<i>E 1/8 - 1/4 (0.221 mi.)</i>	<i>F15</i>	<i>21</i>

### ***Other Ascertainable Records***

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

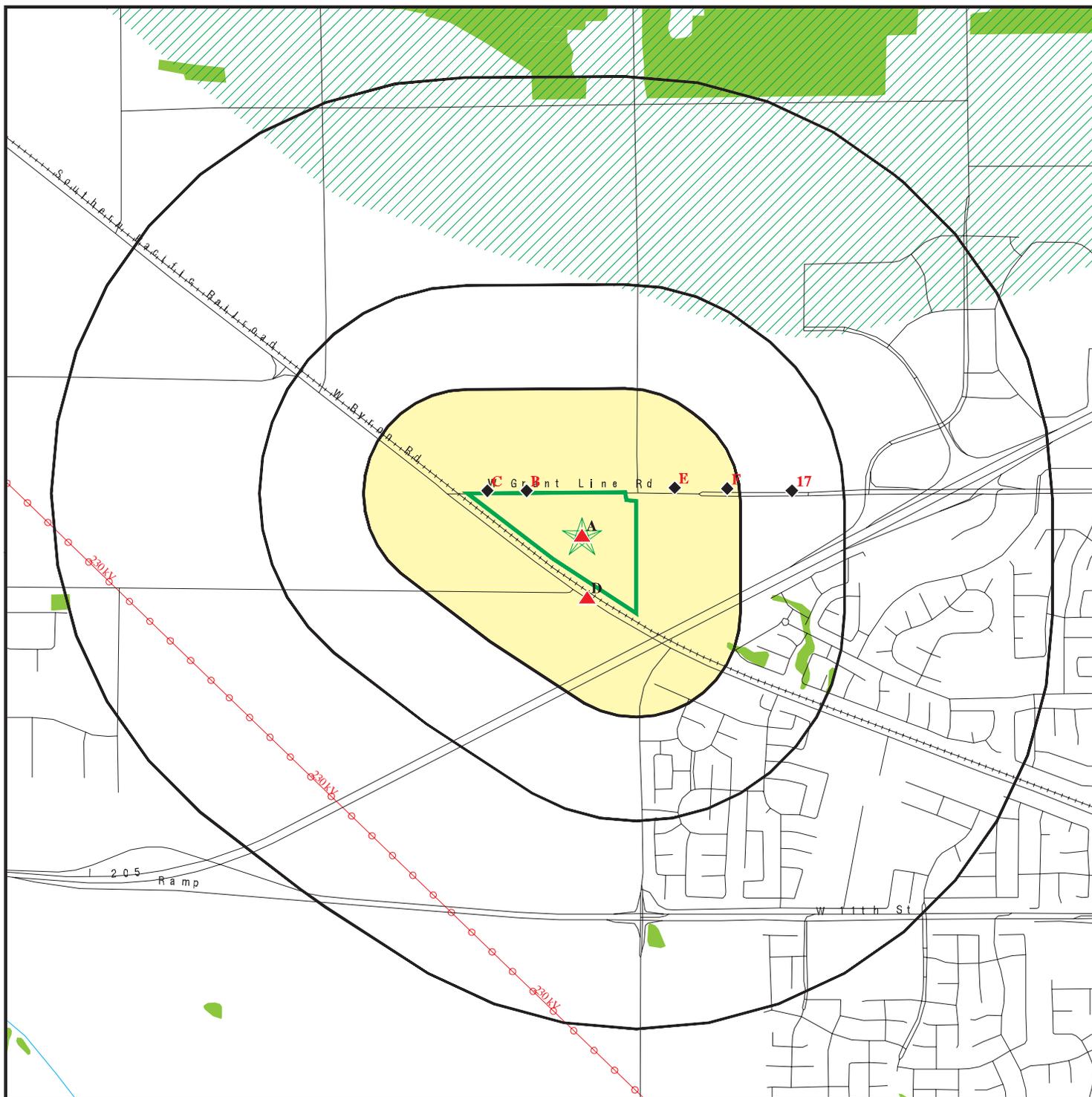
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>INTERLAND CORP</i>	<i>8715 GRANT LINE RD W</i>	<i>N 0 - 1/8 (0.006 mi.)</i>	<i>C7</i>	<i>13</i>
<i>J.B. TERMINAL</i>	<i>6700 GRANT LINE RD W</i>	<i>ENE 0 - 1/8 (0.098 mi.)</i>	<i>E14</i>	<i>20</i>
<i>PETRIG SEED COMPANY</i>	<i>5431 GRANT LINE</i>	<i>E 1/4 - 1/2 (0.375 mi.)</i>	<i>17</i>	<i>22</i>

## EXECUTIVE SUMMARY

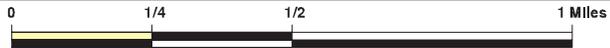
Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CHEVRON PIPE LINE COMPANY, DIVIDEN	SLIC
CHEVRON, FORMER TRACY PUMP STA., T	SLIC
CHEVRON, BYRON ROAD, TRACY	SLIC
CHEVRON PIPE LINE COMPANY, SOUZA/C	SLIC
CHEVRON PIPE LINE COMPANY, NICHOLA	SLIC
CHEVRON PIPE LINE COMPANY, SURLAND	SLIC
CHEVRON, CATELLUS, TRACY	SLIC
CHEVRON PIPE LINE COMPANY, HIGHIET	SLIC
TRACY, CITY OF	SLIC
CHEVRON PIPELINE	SLIC
CHEVERON PIPELINE- GRANT LINE	SLIC
TRINKLE & BOYS FLYING SERVICE	SLIC
CHEVRON PIPELINE CO - MANSFIELD PR	SLIC

# OVERVIEW MAP - 2816742.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  Areas of Concern

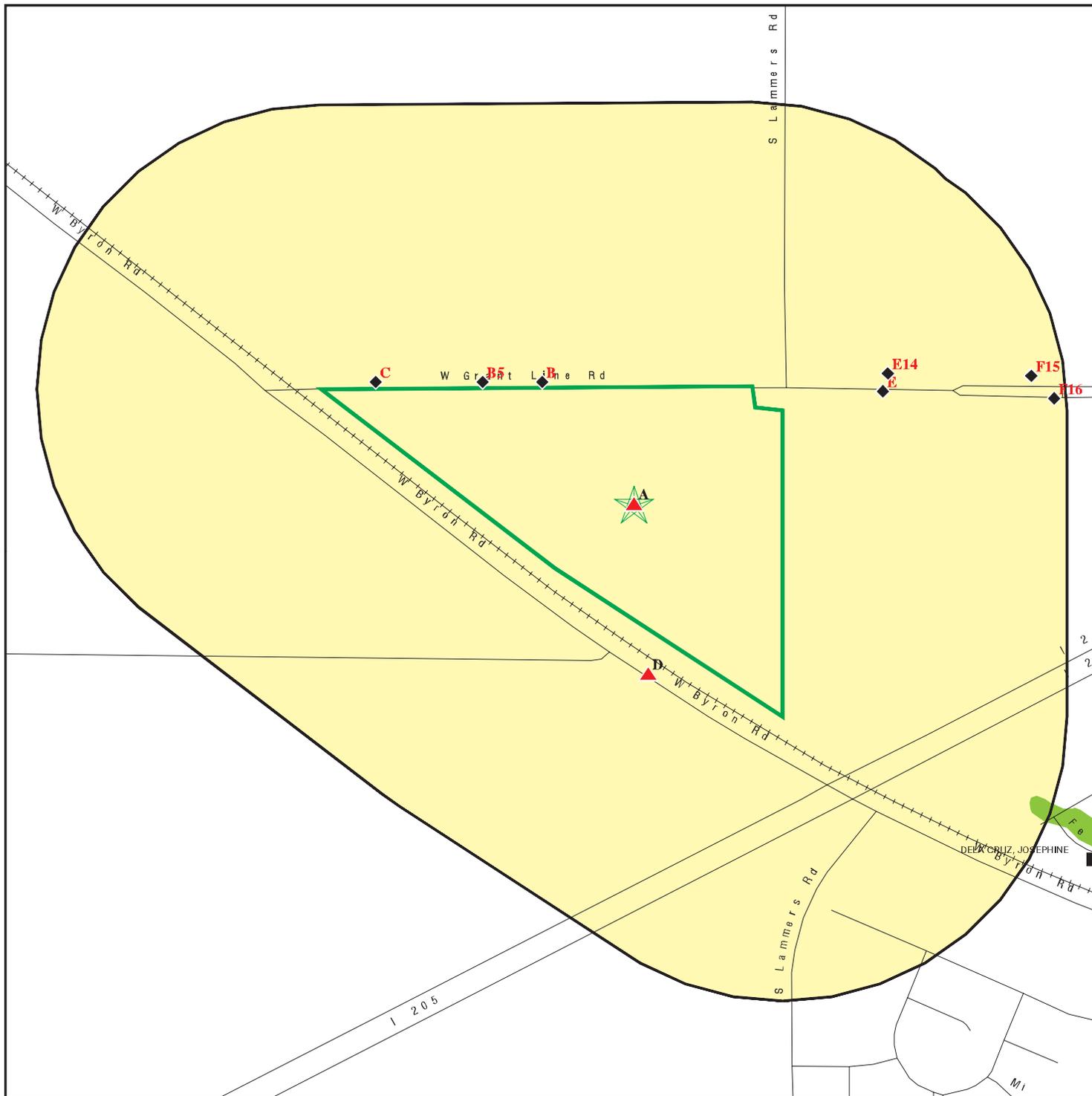


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Filios/Dobler Annexation  
 ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road  
 Tracy CA 95304  
 LAT/LONG: 37.7526 / 121.4792

CLIENT: RBF Consulting  
 CONTACT: Kristen Bogue  
 INQUIRY #: 2816742.2s  
 DATE: July 15, 2010 8:34 am

# DETAIL MAP - 2816742.2s



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



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



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

SITE NAME: Filios/Dobler Annexation  
 ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road  
 Tracy CA 95304  
 LAT/LONG: 37.7526 / 121.4792

CLIENT: RBF Consulting  
 CONTACT: Kristen Bogue  
 INQUIRY #: 2816742.2s  
 DATE: July 15, 2010 8:36 am

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>STANDARD ENVIRONMENTAL RECORDS</u></b>								
<b><i>Federal NPL site list</i></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS		1.000	0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	1	0	NR	NR	NR	1
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS		TP	NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
RESPONSE		1.000	0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
ENVIROSTOR	X	1.000	0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF		0.500	0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST		0.500	2	0	0	NR	NR	2
SLIC		0.500	1	0	0	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
UST		0.250	2	1	NR	NR	NR	3
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP	X	0.500	0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST		0.250	3	1	NR	NR	NR	4
HIST UST		0.250	3	0	NR	NR	NR	3
SWEEPS UST		0.250	3	1	NR	NR	NR	4
<b>Local Land Records</b>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
LDS		TP	NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS		TP	NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE		0.500	2	0	1	NR	NR	3
Notify 65		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
HWP		1.000	0	0	0	0	NR	0
HWT		0.250	0	0	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
MWMP		0.250	0	0	NR	NR	NR	0
PROC		0.500	0	0	0	NR	NR	0

### EDR PROPRIETARY RECORDS

#### **EDR Proprietary Records**

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
-------------------------	--	-------	---	---	---	---	----	---

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A1**      **OLD VALLEY PIPELINE - MANSFIELD SITE**  
**Target**    **13880 W GRANT LINE RD**  
**Property**   **TRACY, CA 95304**

**FINDS**    **1010728008**  
**N/A**

**Site 1 of 2 in cluster A**

**Actual:**  
**28 ft.**

FINDS:

Registry ID:            110033612507

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

**A2**      **OLD VALLEY PIPELINE - MANSFIELD SITE**  
**Target**    **13880 W GRANT LINE RD**  
**Property**   **TRACY, CA 95304**

**VCP**      **S106568317**  
**ENVIROSTOR**    **N/A**

**Site 2 of 2 in cluster A**

**Actual:**  
**28 ft.**

VCP:

Facility ID:            39460002  
 Site Type:             Voluntary Cleanup  
 Site Type Detail:     Voluntary Cleanup  
 Site Mgmt. Req.:      NONE SPECIFIED  
 Acres:                 Not reported  
 National Priorities List:    NO  
 Cleanup Oversight Agencies: DTSC  
 Lead Agency:         NONE SPECIFIED  
 Lead Agency Description: Not reported  
 Project Manager:      Not reported  
 Supervisor:           Steven Becker  
 Division Branch:      Sacramento  
 Site Code:             101220  
 Assembly:             15  
 Senate:                14  
 Special Programs Code: Voluntary Cleanup Program  
 Status:                No Further Action  
 Status Date:          11/18/1999 0:00  
 Restricted Use:        NO  
 Funding:              Responsible Party  
 Lat/Long:             37.75260552 / -121.4802024  
 APN:                   NONE SPECIFIED  
 Past Use:              TRANSPORTATION - PIPELINE  
 Potential COC:        10097  
 Confirmed COC:      NONE SPECIFIED  
 Potential Description: SOIL  
 Alias Name:            OLD VALLEY PIPELINE - MANSFIELD SITE  
 Alias Type:            Alternate Name  
 Alias Name:            OLD VALLEY  
 Alias Type:            Alternate Name  
 Alias Name:            OLD VALLEY PIPELINE  
 Alias Type:            Alternate Name

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLD VALLEY PIPELINE - MANSFIELD SITE (Continued)**

**S106568317**

Alias Name: 101220  
Alias Type: Project Code (Site Code)  
Alias Name: 110033612507  
Alias Type: EPA (FRS #)  
Alias Name: 39460002  
Alias Type: Envirostor ID Number  
Alias Name: MANSFIELD PROPERTY  
Alias Type: Alternate Name  
Alias Name: CHEVRON MANSFIELD  
Alias Type: Alternate Name

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Voluntary Cleanup Agreement Completion  
Completed Date: 1999-11-18 00:00:00  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 1999-10-06 00:00:00  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 1999-11-16 00:00:00  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Consultation  
Completed Date: 1999-11-18 00:00:00  
Comments: VCONS/VCOMP - Completed the terms of the VCA. DTSC reviewed soil and groundwater investigation and screening risk assessment and determined that the residual levels of petroleum-related hydrocarbons in soil are below levels that would constitute a unacceptable risk.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**ENVIROSTOR:**

Site Type: Voluntary Cleanup  
Site Type Detailed: Voluntary Cleanup  
Acres: Not reported  
NPL: NO  
Regulatory Agencies: DTSC  
Lead Agency: NONE SPECIFIED  
Program Manager: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLD VALLEY PIPELINE - MANSFIELD SITE (Continued)**

**S106568317**

Supervisor: Steven Becker  
Division Branch: Sacramento  
Facility ID: 39460002  
Site Code: 101220  
Assembly: 15  
Senate: 14  
Special Program: Voluntary Cleanup Program  
Status: No Further Action  
Status Date: 11/18/1999 0:00  
Restricted Use: NO  
Site Mgmt. Req.: NONE SPECIFIED  
Funding: Responsible Party  
Latitude: 37.75260552  
Longitude: -121.4802024  
APN: NONE SPECIFIED  
Past Use: TRANSPORTATION - PIPELINE  
Potential COC: 10097  
Confirmed COC: NONE SPECIFIED  
Potential Description: SOIL  
Alias Name: OLD VALLEY PIPELINE - MANSFIELD SITE  
Alias Type: Alternate Name  
Alias Name: OLD VALLEY  
Alias Type: Alternate Name  
Alias Name: OLD VALLEY PIPELINE  
Alias Type: Alternate Name  
Alias Name: 101220  
Alias Type: Project Code (Site Code)  
Alias Name: 110033612507  
Alias Type: EPA (FRS #)  
Alias Name: 39460002  
Alias Type: Envirostor ID Number  
Alias Name: MANSFIELD PROPERTY  
Alias Type: Alternate Name  
Alias Name: CHEVRON MANSFIELD  
Alias Type: Alternate Name

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Voluntary Cleanup Agreement Completion  
Completed Date: 1999-11-18 00:00:00  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Agreement  
Completed Date: 1999-10-06 00:00:00  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Correspondence  
Completed Date: 1999-11-16 00:00:00  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Voluntary Cleanup Consultation

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLD VALLEY PIPELINE - MANSFIELD SITE (Continued)**

**S106568317**

Completed Date: 1999-11-18 00:00:00  
Comments: VCONS/VCOMP - Completed the terms of the VCA. DTSC reviewed soil and groundwater investigation and screening risk assessment and determined that the residual levels of petroleum-related hydrocarbons in soil are below levels that would constitute a unacceptable risk.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**B3**  
**North**  
**< 1/8**  
**0.005 mi.**  
**26 ft.**

**STANLEY ROBERTSON**  
**8063 W GRANTLINE RD**  
**TRACY, CA 95376**  
**Site 1 of 3 in cluster B**

**CA FID UST** **S101626864**  
**SWEEPS UST** **N/A**

**Relative:**  
**Lower**

CA FID UST:  
Facility ID: 39003646  
Regulated By: UTNKI  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 2098350542  
Mail To: Not reported  
Mailing Address: 8063 W GRANTLINE RD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: TRACY 95376  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Inactive

**Actual:**  
**27 ft.**

SWEEPS UST:  
Status: Not reported  
Comp Number: 2109  
Number: Not reported  
Board Of Equalization: Not reported  
Ref Date: Not reported  
Act Date: Not reported  
Created Date: Not reported  
Tank Status: Not reported  
Owner Tank Id: Not reported  
Swrcb Tank Id: 39-000-002109-000001  
Actv Date: Not reported  
Capacity: 500  
Tank Use: M.V. FUEL  
Stg: PRODUCT  
Content: LEADED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STANLEY ROBERTSON (Continued)**

**S101626864**

Number Of Tanks: 1

**B4**  
North  
< 1/8  
0.005 mi.  
26 ft.

**STANLEY ROBERTSON**  
**8063 W GRANT LINE RD**  
**TRACY, CA 95376**

**HIST UST** **U001608540**  
**N/A**

**Site 2 of 3 in cluster B**

**Relative:**  
**Lower**

HIST UST:  
Region: STATE  
Facility ID: 00000036360  
Facility Type: Other  
Other Type: PERSONAL  
Total Tanks: 0001  
Contact Name: Not reported  
Telephone: 2098350542  
Owner Name: STANLEY ROBERTSON  
Owner Address: 8063 WEST GRANTLINE ROAD  
Owner City,St,Zip: TRACY, CA 95376

**Actual:**  
**27 ft.**

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00000500  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: Not reported  
Leak Detection: None

**B5**  
North  
< 1/8  
0.005 mi.  
28 ft.

**VELMA PIMENTEL & SONS DAIRY**  
**8297 W GRANT LINE RD**  
**TRACY, CA 95376**

**HIST UST** **U001608562**  
**N/A**

**Site 3 of 3 in cluster B**

**Relative:**  
**Lower**

HIST UST:  
Region: STATE  
Facility ID: 00000059793  
Facility Type: Other  
Other Type: DAIRY  
Total Tanks: 0001  
Contact Name: JOE PIMENTEL  
Telephone: 2098350274  
Owner Name: VELMA PIMENTEL & SONS DAIRY  
Owner Address: 8297 W. GRANTLINE RD.  
Owner City,St,Zip: TRACY, CA 95376

**Actual:**  
**27 ft.**

Tank Num: 001  
Container Num: 1  
Year Installed: 1971  
Tank Capacity: 00000350  
Tank Used for: PRODUCT  
Type of Fuel: REGULAR  
Tank Construction: 10 gauge  
Leak Detection: Stock Inventor

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**C6**  
**North**  
**< 1/8**  
**0.006 mi.**  
**31 ft.**

**TONY CARDOZA ET AL**  
**8715 W GRANTLINE RD**  
**TRACY, CA 95376**

**CA FID UST**    **S101593008**  
**SWEEPS UST**    **N/A**

**Site 1 of 2 in cluster C**

**Relative:**  
**Lower**

CA FID UST:  
 Facility ID: 39001264  
 Regulated By: UTKNI  
 Regulated ID: Not reported  
 Cortese Code: Not reported  
 SIC Code: Not reported  
 Facility Phone: Not reported  
 Mail To: Not reported  
 Mailing Address: 8715 W GRANTLINE RD  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: TRACY 95376  
 Contact: Not reported  
 Contact Phone: Not reported  
 DUNS Number: Not reported  
 NPDES Number: Not reported  
 EPA ID: Not reported  
 Comments: Not reported  
 Status: Inactive

**Actual:**  
**27 ft.**

**SWEEPS UST:**

Status: Not reported  
 Comp Number: 2287  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Ref Date: Not reported  
 Act Date: Not reported  
 Created Date: Not reported  
 Tank Status: Not reported  
 Owner Tank Id: Not reported  
 Swrcb Tank Id: 39-000-002287-000001  
 Actv Date: Not reported  
 Capacity: 550  
 Tank Use: M.V. FUEL  
 Stg: PRODUCT  
 Content: REG UNLEADED  
 Number Of Tanks: 3

Status: Not reported  
 Comp Number: 2287  
 Number: Not reported  
 Board Of Equalization: Not reported  
 Ref Date: Not reported  
 Act Date: Not reported  
 Created Date: Not reported  
 Tank Status: Not reported  
 Owner Tank Id: Not reported  
 Swrcb Tank Id: 39-000-002287-000002  
 Actv Date: Not reported  
 Capacity: 550  
 Tank Use: M.V. FUEL  
 Stg: PRODUCT  
 Content: REG UNLEADED  
 Number Of Tanks: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TONY CARDOZA ET AL (Continued)**

**S101593008**

Status: Not reported  
Comp Number: 2287  
Number: Not reported  
Board Of Equalization: Not reported  
Ref Date: Not reported  
Act Date: Not reported  
Created Date: Not reported  
Tank Status: Not reported  
Owner Tank Id: Not reported  
Swrcb Tank Id: 39-000-002287-000003  
Actv Date: Not reported  
Capacity: 110  
Tank Use: OIL  
Stg: WASTE  
Content: REGULAR UNLE  
Number Of Tanks: Not reported

**C7**  
North  
< 1/8  
0.006 mi.  
31 ft.

**INTERLAND CORP**  
**8715 GRANT LINE RD W**  
**TRACY, CA 95376**  
**Site 2 of 2 in cluster C**

**HIST CORTESE** **S104403441**  
**LUST** **N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**27 ft.**

**CORTESE:**  
Region: CORTESE  
Facility County Code: 39  
Reg By: LTNKA  
Reg Id: 390518

**LUST:**  
Region: STATE  
Global Id: T0607700404  
Latitude: 37.7543688  
Longitude: -121.412344  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 1991-12-16 00:00:00  
Lead Agency: SAN JOAQUIN COUNTY LOP  
Case Worker: DIA  
Local Agency: Not reported  
RB Case Number: 390518  
LOC Case Number: 2287  
File Location: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST REG 5:**  
Region: 5  
Status: Case Closed  
Case Number: 390518  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: JLB  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**D8**  
**SSW**  
**< 1/8**  
**0.033 mi.**  
**173 ft.**

**CALDRON'S GENERAL STORE**  
**12750 WEST BYRON ROAD**  
**TRACY, CA 95376**

**HIST UST**    **U001608415**  
**N/A**

**Site 1 of 4 in cluster D**

**Relative:**  
**Higher**

HIST UST:

Region: STATE  
Facility ID: 00000068931  
Facility Type: Other  
Other Type: CLOTHING AND WESTERN  
Total Tanks: 0002  
Contact Name: Not reported  
Telephone: 2098358790  
Owner Name: ALFRED FRANK CALDRON  
Owner Address: 12750 WEST BYRON ROAD  
Owner City,St,Zip: TRACY, CA 95376

**Actual:**  
**33 ft.**

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00002000  
Tank Used for: WASTE  
Type of Fuel: 1  
Tank Construction: Unkown gauge  
Leak Detection: None

Tank Num: 002  
Container Num: 2  
Year Installed: Not reported  
Tank Capacity: 00002000  
Tank Used for: PRODUCT  
Type of Fuel: UNLEADED  
Tank Construction: Not reported  
Leak Detection: None

**D9**  
**SSW**  
**< 1/8**  
**0.033 mi.**  
**173 ft.**

**CALDRONS GENERAL STORE**  
**12750 W BYRON ROAD**  
**TRACY, CA 95376**

**CA FID UST**    **S101626833**  
**SWEEPS UST**    **N/A**

**Site 2 of 4 in cluster D**

**Relative:**  
**Higher**

CA FID UST:

Facility ID: 39000548  
Regulated By: UTKNI  
Regulated ID: Not reported  
Cortese Code: Not reported  
SIC Code: Not reported  
Facility Phone: 2098358790  
Mail To: Not reported  
Mailing Address: 12750 W BYRON RD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: TRACY 95376  
Contact: Not reported  
Contact Phone: Not reported  
DUNs Number: Not reported  
NPDES Number: Not reported  
EPA ID: Not reported  
Comments: Not reported  
Status: Inactive

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALDRONS GENERAL STORE (Continued)**

**S101626833**

**SWEEPS UST:**

Status: Not reported  
Comp Number: 1531  
Number: Not reported  
Board Of Equalization: 44-024742  
Ref Date: Not reported  
Act Date: Not reported  
Created Date: Not reported  
Tank Status: Not reported  
Owner Tank Id: Not reported  
Swrcb Tank Id: 39-000-001531-000001  
Actv Date: Not reported  
Capacity: 2000  
Tank Use: M.V. FUEL  
Stg: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 2

Status: Not reported  
Comp Number: 1531  
Number: Not reported  
Board Of Equalization: 44-024742  
Ref Date: Not reported  
Act Date: Not reported  
Created Date: Not reported  
Tank Status: Not reported  
Owner Tank Id: Not reported  
Swrcb Tank Id: 39-000-001531-000002  
Actv Date: Not reported  
Capacity: 2000  
Tank Use: M.V. FUEL  
Stg: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

**D10**  
**SSW**  
**< 1/8**  
**0.033 mi.**  
**173 ft.**

**CALDRONS GENERAL STORE**  
**12750 W BYRON RD**  
**TRACY, CA 95376**  
**Site 3 of 4 in cluster D**

**UST U004023462**  
**N/A**

**Relative:**  
**Higher**

**UST SAN JOAQUIN:**  
Region: SJ  
Facility Id: FA0004719  
Mail Address: 12750 W BYRON RD  
Mail Care of: FRANK CALDRON  
Mail City,St,Zip: TRACY, CA 95376

**Actual:**  
**33 ft.**

Tank Rec ID: TA0500306  
Tank Number: 1  
Tank Status: CLOSED  
Tank Capacity: 2000  
Product Type: 99  
Product Type Desc: OTHER  
Program Element: 2380

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALDRONS GENERAL STORE (Continued)**

**U004023462**

Tank Rec ID: TA0500307  
Tank Number: 2  
Tank Status: CLOSED  
Tank Capacity: 2000  
Product Type: 99  
Product Type Desc: OTHER  
Program Element: 2380

**D11**  
**SSW**  
**< 1/8**  
**0.033 mi.**  
**175 ft.**

**CHEVRON PIPE LINE COMPANY, MCCORMACK\*\* SOME ARCHI**  
**12450 BYRON RD W**  
**TRACY, CA**

**SLIC S106230403**  
**N/A**

**Site 4 of 4 in cluster D**

**Relative:**  
**Higher**

**SLIC:**  
Region: 5  
Facility Status: Closed by County  
Unit: Facility is a Spill or site  
Pollutant: TPH  
Lead Agency: Not reported  
Date Filed: 05/01/97  
Report Date: 04/21/97  
Date Added: Not reported  
Date Closed: Not reported

**Actual:**  
**34 ft.**

**E12**  
**East**  
**< 1/8**  
**0.090 mi.**  
**473 ft.**

**COSTCO WHOLESALE 658**  
**3250 W GRANTLINE RD**  
**TRACY, CA 95377**

**RCRA-SQG 1005441231**  
**FINDS CAR000116947**  
**HAZNET**

**Site 1 of 3 in cluster E**

**Relative:**  
**Lower**

**RCRA-SQG:**  
Date form received by agency: 05/21/2002  
Facility name: COSTCO WHOLESALE 658  
Facility address: 3250 W GRANTLINE RD  
TRACY, CA 95377  
EPA ID: CAR000116947  
Mailing address: 999 LAKE DRIVE ATTN LICENSING  
ISSAQUAH, WA 98027  
Contact: LISA SIMPSON  
Contact address: 999 LAKE DRIVE ATTN LICENSING  
ISSAQUAH, WA 98027  
Contact country: US  
Contact telephone: (425) 313-6275  
Contact email: Not reported  
EPA Region: 09  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:**  
**26 ft.**

**Owner/Operator Summary:**  
Owner/operator name: COSTCO WHOLESALE CORPORATION  
Owner/operator address: 999 LAKE DRIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COSTCO WHOLESALE 658 (Continued)**

**1005441231**

ISSAQUAH, WA 98027

Owner/operator country: Not reported  
Owner/operator telephone: (425) 313-8100  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): Unknown  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Verified to be non-commercial

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D011  
Waste name: SILVER

Waste code: D018  
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110012545326

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COSTCO WHOLESALE 658 (Continued)**

**1005441231**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000116947  
Contact: Lisa Simpson  
Telephone: 4253136275  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 999 Lake DR Attn Licensing  
Mailing City,St,Zip: Issaquah, WA 980270000  
Gen County: San Joaquin  
TSD EPA ID: NVT330010000  
TSD County: 99  
Waste Category: Other organic solids  
Disposal Method: H132  
Tons: 0.4625  
Facility County: San Joaquin

Gepaid: CAR000116947  
Contact: Lisa Simpson  
Telephone: 4253136275  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 999 Lake Drive Attn Licensing  
Mailing City,St,Zip: Issaquah, WA 98027  
Gen County: San Joaquin  
TSD EPA ID: KYD053348108  
TSD County: San Joaquin  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
Disposal Method: Transfer Station  
Tons: 0.07  
Facility County: San Joaquin

Gepaid: CAR000116947  
Contact: Lisa Simpson  
Telephone: 4253136275  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 999 Lake Drive Attn Licensing  
Mailing City,St,Zip: Issaquah, WA 98027  
Gen County: San Joaquin  
TSD EPA ID: CAD059494310  
TSD County: San Joaquin  
Waste Category: Oil/water separation sludge  
Disposal Method: Transfer Station  
Tons: 3.18  
Facility County: San Joaquin

Gepaid: CAR000116947  
Contact: Lisa Simpson  
Telephone: 4253136275  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 999 Lake Drive Attn Licensing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COSTCO WHOLESALE 658 (Continued)**

**1005441231**

Mailing City,St,Zip: Issaquah, WA 98027  
Gen County: San Joaquin  
TSD EPA ID: KYD053348108  
TSD County: 99  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
Disposal Method: Not reported  
Tons: 0.07  
Facility County: Not reported

Gepaid: CAR000116947  
Contact: Lisa Simpson  
Telephone: 4253136275  
Facility Addr2: Not reported  
Mailing Name: Not reported  
Mailing Address: 999 Lake Drive Attn Licensing  
Mailing City,St,Zip: Issaquah, WA 98027  
Gen County: San Joaquin  
TSD EPA ID: KYD053348108  
TSD County: 99  
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)  
Disposal Method: Not reported  
Tons: 0.07  
Facility County: Not reported

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

**E13**  
**East**  
**< 1/8**  
**0.090 mi.**  
**473 ft.**

**COSTCO GASOLINE FAC #658**  
**3250 W GRANT LINE RD**  
**TRACY, CA 95377**

**UST U004023641**  
**N/A**

**Site 2 of 3 in cluster E**

**Relative:**  
**Lower**

UST SAN JOAQUIN:  
Region: SJ  
Facility Id: FA0013810  
Mail Address: 999 LAKE DR  
Mail Care of: LICENSING  
Mail City,St,Zip: ISSAQUAH, WA 98027

**Actual:**  
**26 ft.**

Tank Rec ID: TA0515627  
Tank Number: 1  
Tank Status: ACTIVE  
Tank Capacity: 20000  
Product Type: 1A  
Product Type Desc: REGULAR UNLEADED  
Program Element: 2362

Tank Rec ID: TA0515628  
Tank Number: 2  
Tank Status: ACTIVE  
Tank Capacity: 20000  
Product Type: 1A  
Product Type Desc: REGULAR UNLEADED  
Program Element: 2360

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COSTCO GASOLINE FAC #658 (Continued)**

**U004023641**

Tank Rec ID: TA0515629  
Tank Number: 3  
Tank Status: ACTIVE  
Tank Capacity: 20000  
Product Type: 1B  
Product Type Desc: PREMIUM UNLEADED  
Program Element: 2360

**E14**  
**ENE**  
**< 1/8**  
**0.098 mi.**  
**518 ft.**

**J.B. TERMINAL**  
**6700 GRANT LINE RD W**  
**TRACY, CA 95376**

**HIST CORTESE** **S104403351**  
**LUST** **N/A**

**Site 3 of 3 in cluster E**

**Relative:**  
**Lower**

**CORTESE:**  
Region: CORTESE  
Facility County Code: 39  
Reg By: LTNKA  
Reg Id: 390087

**Actual:**  
**26 ft.**

**LUST:**

Region: STATE  
Global Id: T0607700061  
Latitude: 37.7539583  
Longitude: -121.4725646  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 1995-09-19 00:00:00  
Lead Agency: SAN JOAQUIN COUNTY LOP  
Case Worker: HAR  
Local Agency: SAN JOAQUIN COUNTY LOP  
RB Case Number: 390087  
LOC Case Number: 1410  
File Location: Not reported  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

**LUST REG 5:**

Region: 5  
Status: Case Closed  
Case Number: 390087  
Case Type: Drinking Water Aquifer affected  
Substance: UNLEAD GASOLINE  
Staff Initials: JLB  
Lead Agency: Local  
Program: LUST  
MTBE Code: N/A

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F15**            **NELSON COSTA**  
**East**           **6200 W GRANTLINE RD**  
**1/8-1/4**        **TRACY, CA 95376**  
**0.221 mi.**  
**1165 ft.**        **Site 1 of 2 in cluster F**

**CA FID UST**    **S101626855**  
**SWEEPS UST**    **N/A**

**Relative:**  
**Lower**

CA FID UST:  
 Facility ID:            39003881  
 Regulated By:        UTKNI  
 Regulated ID:        Not reported  
 Cortese Code:        Not reported  
 SIC Code:             Not reported  
 Facility Phone:        2098351110  
 Mail To:               Not reported  
 Mailing Address:      6200 W GRANTLINE RD  
 Mailing Address 2:    Not reported  
 Mailing City,St,Zip:   TRACY 95376  
 Contact:               Not reported  
 Contact Phone:        Not reported  
 DUNS Number:        Not reported  
 NPDES Number:       Not reported  
 EPA ID:                Not reported  
 Comments:            Not reported  
 Status:                Inactive

**Actual:**  
**27 ft.**

SWEEPS UST:  
 Status:                Not reported  
 Comp Number:        4106  
 Number:               Not reported  
 Board Of Equalization: Not reported  
 Ref Date:             Not reported  
 Act Date:             Not reported  
 Created Date:        Not reported  
 Tank Status:         Not reported  
 Owner Tank Id:       Not reported  
 Swrcb Tank Id:       39-000-004106-000001  
 Actv Date:            Not reported  
 Capacity:             350  
 Tank Use:             M.V. FUEL  
 Stg:                    PRODUCT  
 Content:              LEADED  
 Number Of Tanks:    2

Status:                Not reported  
 Comp Number:        4106  
 Number:               Not reported  
 Board Of Equalization: Not reported  
 Ref Date:             Not reported  
 Act Date:             Not reported  
 Created Date:        Not reported  
 Tank Status:         Not reported  
 Owner Tank Id:       Not reported  
 Swrcb Tank Id:       39-000-004106-000002  
 Actv Date:            Not reported  
 Capacity:             3501  
 Tank Use:             M.V. FUEL  
 Stg:                    PRODUCT  
 Content:              LEADED  
 Number Of Tanks:    Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F16**      **WALMART SUPERCENTER #2025**  
**East**      **3010 W GRANT LINE RD**  
**1/8-1/4**      **TRACY, CA 95304**  
**0.239 mi.**  
**1261 ft.**      **Site 2 of 2 in cluster F**

**UST**      **U004025210**  
             **N/A**

**Relative:**      UST SAN JOAQUIN:  
**Lower**            Region:                    SJ  
                       Facility Id:                FA0004548  
**Actual:**            Mail Address:            702 SW EIGHTH ST DEPT 8916  
**27 ft.**                Mail Care of:            WAL-MART STORES INC  
                       Mail City,St,Zip:        BENTONVILLE, AR 727160500

                      Tank Rec ID:            TA0500001  
                       Tank Number:            1  
                       Tank Status:            CLOSED  
                       Tank Capacity:           1000  
                       Product Type:            99  
                       Product Type Desc:      OTHER  
                       Program Element:        2360

**17**              **PETRIG SEED COMPANY**  
**East**              **5431 GRANT LINE**  
**1/4-1/2**              **TRACY, CA 95376**  
**0.375 mi.**  
**1978 ft.**

**HIST CORTESE**      **S104403505**  
                             **N/A**

**Relative:**            CORTESE:  
**Lower**                Region:                    CORTESE  
                             Facility County Code:    39  
**Actual:**                Reg By:                    LTNKA  
**27 ft.**                    Reg Id:                     390753

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TRACY	S106230423	CHEVRON PIPE LINE COMPANY, DIVIDEN	13120TH GRANTLINE & BYRON RD		SLIC
TRACY	S108937577	CHEVRON, FORMER TRACY PUMP STA., T	BYRON RD		SLIC
TRACY	S108937582	CHEVRON, BYRON ROAD, TRACY	BYRON RD		SLIC
TRACY	S106230402	CHEVRON PIPE LINE COMPANY, SOUZA/C	BYRON & LAMMERS RD		SLIC
TRACY	S106230404	CHEVRON PIPE LINE COMPANY, NICHOLA	RD BYRON DIRECTLY OF CPL DIVID		SLIC
TRACY	S106230405	CHEVRON PIPE LINE COMPANY, SURLAND	BYRON RD 1 W & 2 MILE NW OF CO		SLIC
TRACY	S108418392	CHEVRON, CATELLUS, TRACY	W BYRON RD		SLIC
TRACY	S106230410	CHEVRON PIPE LINE COMPANY, HIGHIET	CORRAL HOLLOW & BYRON RD		SLIC
TRACY	S106230411	TRACY, CITY OF	CORRAL HOLLOW & BYRON RDS CORN		SLIC
TRACY	S106487249	CHEVRON PIPELINE	W GRANT LINE RD		SLIC
TRACY	S106707864	CHEVERON PIPELINE- GRANT LINE	GRANT LINE RD W		SLIC
TRACY	S106486714	TRINKLE & BOYS FLYING SERVICE	31244 S HWY 33		SLIC
TRACY	S106483863	CHEVRON PIPELINE CO - MANSFIELD PR	N WEST OF 13120 GRANTLINE & BY		SLIC

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## STANDARD ENVIRONMENTAL RECORDS

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

#### NPL: National Priority List

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

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

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

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/17/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/12/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/30/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

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

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

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/12/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 09/13/2010
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/25/2010  
Date Data Arrived at EDR: 03/31/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 57

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 05/17/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

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

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

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

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

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

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 06/14/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 06/14/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2009	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/22/2010	Telephone: 202-267-2180
Date Made Active in Reports: 02/11/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Annually

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

### RESPONSE: State Response Sites

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

Date of Government Version: 06/16/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/17/2010	Telephone: 916-323-3400
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 06/17/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Quarterly

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

### ENVIROSTOR: EnviroStor Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/16/2010  
Date Data Arrived at EDR: 06/17/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 06/17/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Quarterly

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

### SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/24/2010  
Date Data Arrived at EDR: 05/25/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 45

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 05/25/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Quarterly

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

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

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

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

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: No Update Planned

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

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

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: No Update Planned

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

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

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

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: No Update Planned

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

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

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

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 05/17/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: No Update Planned

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

## LUST REG 4: Underground Storage Tank Leak List

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

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6710  
Last EDR Contact: 06/07/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

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

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

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 04/19/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

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

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

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

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

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 06/22/2010  
Date Data Arrived at EDR: 06/23/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 16

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 06/23/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Quarterly

## LUST REG 8: Leaking Underground Storage Tanks

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 04/19/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Varies

## SLIC: Statewide SLIC Cases

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

Date of Government Version: 06/22/2010  
Date Data Arrived at EDR: 06/23/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 16

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/23/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

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

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

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: No Update Planned

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

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

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 04/19/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Semi-Annually

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

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

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

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 05/17/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: Semi-Annually

## SLIC REG 6L: SLIC Sites

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

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

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 05/17/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

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

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

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Semi-Annually

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

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

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

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 05/10/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Annually

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2010	Source: EPA Region 10
Date Data Arrived at EDR: 05/05/2010	Telephone: 206-553-2857
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/03/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/25/2010	Source: EPA Region 8
Date Data Arrived at EDR: 02/25/2010	Telephone: 303-312-6271
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

Date of Government Version: 05/03/2010	Source: EPA Region 6
Date Data Arrived at EDR: 05/05/2010	Telephone: 214-665-6597
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

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

Date of Government Version: 03/10/2010	Source: EPA Region 4
Date Data Arrived at EDR: 03/16/2010	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 02/01/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

Date of Government Version: 11/04/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/04/2010	Telephone: 913-551-7003
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 05/04/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/22/2010	Source: SWRCB
Date Data Arrived at EDR: 06/23/2010	Telephone: 916-480-1028
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/23/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/04/2010
	Data Release Frequency: Semi-Annually

## AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-341-5712
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/12/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

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

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/04/2010	Source: EPA Region 10
Date Data Arrived at EDR: 05/05/2010	Telephone: 206-553-2857
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/01/2010	Source: EPA Region 9
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 02/25/2010	Source: EPA Region 8
Date Data Arrived at EDR: 02/25/2010	Telephone: 303-312-6137
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/12/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

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

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/03/2010  
Date Data Arrived at EDR: 05/05/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 22

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Semi-Annually

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

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010  
Date Data Arrived at EDR: 02/11/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 60

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Varies

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

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

Date of Government Version: 03/10/2010  
Date Data Arrived at EDR: 03/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 27

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Semi-Annually

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009  
Date Data Arrived at EDR: 02/19/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 25

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Varies

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 04/19/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

### VCP: Voluntary Cleanup Program Properties

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/16/2010  
Date Data Arrived at EDR: 06/17/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 06/17/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Quarterly

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 07/08/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

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

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

Date of Government Version: 03/02/2010  
Date Data Arrived at EDR: 03/23/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 55

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: Semi-Annually

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

#### ODI: Open Dump Inventory

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

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

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

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

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

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 09/20/2010  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 05/17/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Quarterly

## SWRCY: Recycler Database

A listing of recycling facilities in California.

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

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 03/09/2010	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 03/10/2010	Telephone: 916-341-6422
Date Made Active in Reports: 04/09/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/06/2010
	Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 06/08/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Varies

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

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 08/19/2009	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/29/2009	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 03/08/2010
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Quarterly

### HIST CAL-SITES: Calsites Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005  
Date Data Arrived at EDR: 08/03/2006  
Date Made Active in Reports: 08/24/2006  
Number of Days to Update: 21

Source: Department of Toxic Substance Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/23/2009  
Next Scheduled EDR Contact: 05/25/2009  
Data Release Frequency: No Update Planned

## SCH: School Property Evaluation Program

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

Date of Government Version: 06/16/2010  
Date Data Arrived at EDR: 06/17/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 06/17/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Quarterly

## TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 02/25/2010  
Date Made Active in Reports: 03/04/2010  
Number of Days to Update: 7

Source: Department of Toxic Substances Control  
Telephone: 916-255-6504  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

## US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 03/30/2009  
Number of Days to Update: 131

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

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

### CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/07/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Annually

## HIST UST: Hazardous Substance Storage Container Database

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

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

## SWEEPS UST: SWEEPS UST Listing

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

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

## Local Land Records

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/05/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/11/2010	Telephone: 202-564-6023
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/24/2010
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/06/2010
	Data Release Frequency: Varies

### LIENS: Environmental Liens Listing

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

Date of Government Version: 05/05/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/07/2010	Telephone: 916-323-3400
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 11	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DEED: Deed Restriction Listing

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

Date of Government Version: 06/14/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/15/2010	Telephone: 916-323-3400
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 06/15/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 04/06/2010	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/07/2010	Telephone: 202-366-4555
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 50	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Annually

### CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 12/31/2007	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/09/2008	Telephone: 916-845-8400
Date Made Active in Reports: 06/20/2008	Last EDR Contact: 05/03/2010
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/22/2010	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/23/2010	Telephone: 866-480-1028
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 06/23/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/04/2010
	Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/22/2010	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/23/2010	Telephone: 866-480-1028
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/23/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/04/2010
	Data Release Frequency: Quarterly

## **Other Ascertainable Records**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (415) 495-8895
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Varies

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/12/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Varies

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/21/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Semi-Annually

## FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 06/16/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 04/11/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/19/2010	Telephone: Varies
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 07/08/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/29/2010	Source: EPA
Date Data Arrived at EDR: 05/07/2010	Telephone: 703-416-0223
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 06/16/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 06/01/2010
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/13/2010
	Data Release Frequency: Varies

## MINES: Mines Master Index File

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

Date of Government Version: 02/12/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/10/2010	Telephone: 303-231-5959
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 06/09/2010
Number of Days to Update: 68	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 06/04/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 09/13/2010
	Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/07/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Every 4 Years

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

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/13/2010
	Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/13/2010
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

Date of Government Version: 04/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2010	Telephone: 202-564-5088
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 06/25/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

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

Date of Government Version: 09/01/2009	Source: EPA
Date Data Arrived at EDR: 10/21/2009	Telephone: 202-566-0500
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 04/22/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 06/14/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

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

Date of Government Version: 04/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (415) 947-8000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 05/25/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/06/2010
	Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989  
Date Data Arrived at EDR: 07/27/1994  
Date Made Active in Reports: 08/02/1994  
Number of Days to Update: 6

Source: Department of Health Services  
Telephone: 916-255-2118  
Last EDR Contact: 05/31/1994  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 06/01/2010  
Next Scheduled EDR Contact: 09/13/2010  
Data Release Frequency: Quarterly

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

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

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 05/25/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/05/2010  
Date Data Arrived at EDR: 04/07/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 41

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

## HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001  
Date Data Arrived at EDR: 01/22/2009  
Date Made Active in Reports: 04/08/2009  
Number of Days to Update: 76

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 01/22/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## NOTIFY 65: Proposition 65 Records

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

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

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 12/22/2009  
Date Data Arrived at EDR: 01/25/2010  
Date Made Active in Reports: 01/29/2010  
Number of Days to Update: 4

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Annually

## WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 10/21/2009  
Date Made Active in Reports: 10/28/2009  
Number of Days to Update: 7

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Annually

## EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 07/14/2009  
Date Made Active in Reports: 07/23/2009  
Number of Days to Update: 9

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

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

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

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/21/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 02/10/2010  
Date Data Arrived at EDR: 02/11/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 60

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 05/10/2010  
Next Scheduled EDR Contact: 08/09/2010  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROC: Certified Processors Database

A listing of certified processors.

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

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

## MWMP: Medical Waste Management Program Listing

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

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

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Varies

## COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 04/21/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009  
Date Data Arrived at EDR: 12/18/2009  
Date Made Active in Reports: 02/10/2010  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 06/14/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Varies

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/21/2010  
Date Data Arrived at EDR: 04/21/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 27

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 04/21/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Quarterly

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/11/2010  
Date Data Arrived at EDR: 05/12/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 6

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/12/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Quarterly

## FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2010  
Date Data Arrived at EDR: 03/10/2010  
Date Made Active in Reports: 04/09/2010  
Number of Days to Update: 30

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

## FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007  
Date Data Arrived at EDR: 06/01/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 28

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 05/05/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 04/21/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: N/A

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008  
Date Data Arrived at EDR: 02/18/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 100

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 05/14/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### *EDR Proprietary Records*

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

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

Date of Government Version: 04/12/2010  
Date Data Arrived at EDR: 04/14/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 34

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

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/12/2010  
Date Data Arrived at EDR: 04/14/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 34

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

### CONTRA COSTA COUNTY:

#### Site List

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

Date of Government Version: 05/24/2010  
Date Data Arrived at EDR: 05/25/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 43

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 05/24/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Semi-Annually

### FRESNO COUNTY:

#### CUPA Resources List

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

Date of Government Version: 04/15/2010  
Date Data Arrived at EDR: 04/16/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 32

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 04/16/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Semi-Annually

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

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

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 06/24/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: Quarterly

### LOS ANGELES COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Gabriel Valley Areas of Concern

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

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 06/25/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: No Update Planned

## HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

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

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 04/19/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Semi-Annually

## List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/23/2010  
Date Data Arrived at EDR: 04/26/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 22

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/23/2010  
Next Scheduled EDR Contact: 08/09/2010  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009  
Date Data Arrived at EDR: 03/10/2009  
Date Made Active in Reports: 04/08/2009  
Number of Days to Update: 29

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 06/18/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Varies

## Site Mitigation List

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

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

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 04/22/2010  
Next Scheduled EDR Contact: 08/09/2010  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/28/2010  
Date Data Arrived at EDR: 04/29/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 19

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 04/23/2010  
Next Scheduled EDR Contact: 08/09/2010  
Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

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

Date of Government Version: 03/28/2003  
Date Data Arrived at EDR: 10/23/2003  
Date Made Active in Reports: 11/26/2003  
Number of Days to Update: 34

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/19/2010

Date Data Arrived at EDR: 04/21/2010

Date Made Active in Reports: 05/18/2010

Number of Days to Update: 27

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Last EDR Contact: 04/19/2010

Next Scheduled EDR Contact: 08/02/2010

Data Release Frequency: Semi-Annually

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 04/19/2010

Date Data Arrived at EDR: 04/30/2010

Date Made Active in Reports: 05/18/2010

Number of Days to Update: 18

Source: Public Works Department Waste Management

Telephone: 415-499-6647

Last EDR Contact: 07/12/2010

Next Scheduled EDR Contact: 10/25/2010

Data Release Frequency: Semi-Annually

## NAPA COUNTY:

### Sites With Reported Contamination

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

Date of Government Version: 07/09/2008

Date Data Arrived at EDR: 07/09/2008

Date Made Active in Reports: 07/31/2008

Number of Days to Update: 22

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Last EDR Contact: 06/07/2010

Next Scheduled EDR Contact: 09/20/2010

Data Release Frequency: No Update Planned

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008

Date Data Arrived at EDR: 01/16/2008

Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Last EDR Contact: 06/07/2010

Next Scheduled EDR Contact: 09/20/2010

Data Release Frequency: No Update Planned

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/05/2010

Date Data Arrived at EDR: 05/21/2010

Date Made Active in Reports: 07/07/2010

Number of Days to Update: 47

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 05/18/2010

Next Scheduled EDR Contact: 08/30/2010

Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/05/2010

Date Data Arrived at EDR: 05/21/2010

Date Made Active in Reports: 07/07/2010

Number of Days to Update: 47

Source: Health Care Agency

Telephone: 714-834-3446

Last EDR Contact: 05/18/2010

Next Scheduled EDR Contact: 08/30/2010

Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/03/2010	Source: Health Care Agency
Date Data Arrived at EDR: 02/12/2010	Telephone: 714-834-3446
Date Made Active in Reports: 02/23/2010	Last EDR Contact: 05/28/2010
Number of Days to Update: 11	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Quarterly

## PLACER COUNTY:

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/22/2010	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 06/24/2010	Telephone: 530-889-7312
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/14/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/19/2010	Source: Department of Public Health
Date Data Arrived at EDR: 04/19/2010	Telephone: 951-358-5055
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/19/2010	Source: Health Services Agency
Date Data Arrived at EDR: 04/19/2010	Telephone: 951-358-5055
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

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

Date of Government Version: 04/01/2010	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/15/2010	Telephone: 916-875-8406
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 04/12/2010
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Quarterly

### Master Hazardous Materials Facility List

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

Date of Government Version: 03/03/2010	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/16/2010	Telephone: 916-875-8406
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 07/13/2010
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Permits

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

Date of Government Version: 06/09/2010  
Date Data Arrived at EDR: 06/11/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 28

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 05/17/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

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

Date of Government Version: 07/16/2008  
Date Data Arrived at EDR: 10/29/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 28

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 06/23/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Quarterly

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

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

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Varies

### Environmental Case Listing

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

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 06/15/2010  
Next Scheduled EDR Contact: 09/27/2010  
Data Release Frequency: Varies

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

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

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 05/17/2010  
Next Scheduled EDR Contact: 08/30/2010  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/17/2010	Source: Department of Public Health
Date Data Arrived at EDR: 05/17/2010	Telephone: 415-252-3920
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 05/17/2010
Number of Days to Update: 53	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

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

Date of Government Version: 05/14/2010	Source: Environmental Health Department
Date Data Arrived at EDR: 06/09/2010	Telephone: N/A
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Semi-Annually

## SAN MATEO COUNTY:

### Business Inventory

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

Date of Government Version: 04/20/2010	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 04/21/2010	Telephone: 650-363-1921
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 06/21/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/04/2010
	Data Release Frequency: Annually

### Fuel Leak List

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

Date of Government Version: 06/21/2010	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 06/22/2010	Telephone: 650-363-1921
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/21/2010
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/04/2010
	Data Release Frequency: Semi-Annually

## SANTA CLARA COUNTY:

### HIST LUST - Fuel Leak Site Activity Report

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

Date of Government Version: 03/29/2005	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 03/23/2009
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

### LOP Listing

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

Date of Government Version: 05/29/2009	Source: Department of Environmental Health
Date Data Arrived at EDR: 06/01/2009	Telephone: 408-918-3417
Date Made Active in Reports: 06/15/2009	Last EDR Contact: 07/09/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 08/31/2009	Telephone: 408-535-7694
Date Made Active in Reports: 09/18/2009	Last EDR Contact: 06/14/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Annually

## SOLANO COUNTY:

### Leaking Underground Storage Tanks

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

Date of Government Version: 06/07/2010	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 06/22/2010	Telephone: 707-784-6770
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 06/07/2010
Number of Days to Update: 17	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/07/2010	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 06/23/2010	Telephone: 707-784-6770
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 03/08/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Leaking Underground Storage Tank Sites

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

Date of Government Version: 04/06/2010	Source: Department of Health Services
Date Data Arrived at EDR: 04/07/2010	Telephone: 707-565-6565
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 07/07/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 04/01/2009	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 04/02/2009	Telephone: 530-822-7500
Date Made Active in Reports: 04/09/2009	Last EDR Contact: 07/14/2010
Number of Days to Update: 7	Next Scheduled EDR Contact: 09/27/2010
	Data Release Frequency: Semi-Annually

## VENTURA COUNTY:

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/26/2010  
Date Data Arrived at EDR: 05/28/2010  
Date Made Active in Reports: 07/07/2010  
Number of Days to Update: 40

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 02/23/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Quarterly

## Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 08/01/2009  
Date Data Arrived at EDR: 10/05/2009  
Date Made Active in Reports: 10/13/2009  
Number of Days to Update: 8

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 05/03/2010  
Next Scheduled EDR Contact: 08/16/2010  
Data Release Frequency: Annually

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008  
Date Data Arrived at EDR: 06/24/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 37

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 05/24/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Quarterly

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2010  
Date Data Arrived at EDR: 06/24/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 15

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 06/24/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/07/2010  
Date Data Arrived at EDR: 04/13/2010  
Date Made Active in Reports: 05/18/2010  
Number of Days to Update: 35

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 07/07/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: Annually

## OTHER DATABASE(S)

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

### CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 08/26/2009  
Date Made Active in Reports: 09/11/2009  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 06/04/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 01/20/2010  
Date Made Active in Reports: 02/05/2010  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/23/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 04/30/2010  
Date Data Arrived at EDR: 05/13/2010  
Date Made Active in Reports: 06/21/2010  
Number of Days to Update: 39

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/13/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 12/01/2009  
Date Made Active in Reports: 12/14/2009  
Number of Days to Update: 13

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 05/24/2010  
Next Scheduled EDR Contact: 09/06/2010  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 11/03/2009  
Date Data Arrived at EDR: 02/12/2010  
Date Made Active in Reports: 02/22/2010  
Number of Days to Update: 10

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 06/01/2010  
Next Scheduled EDR Contact: 09/13/2010  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 07/17/2009  
Date Made Active in Reports: 08/10/2009  
Number of Days to Update: 24

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Annually

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

## Electric Power Transmission Line Data

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

## AHA Hospitals:

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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

Source: United States Geologic Survey

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

### STREET AND ADDRESS INFORMATION

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

### TARGET PROPERTY ADDRESS

FILIOS/DOBLER ANNEXATION  
13588, 13880, 14044, 14010 W. GRANT LINE ROAD  
TRACY, CA 95304

### TARGET PROPERTY COORDINATES

Latitude (North):	37.75260 - 37° 45' 9.4"
Longitude (West):	121.4792 - 121° 28' 45.1"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	633976.8
UTM Y (Meters):	4179249.8
Elevation:	28 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	37121-G4 UNION ISLAND, CA
Most Recent Revision:	1978
South Map:	37121-F4 TRACY, CA
Most Recent Revision:	1981

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

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

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

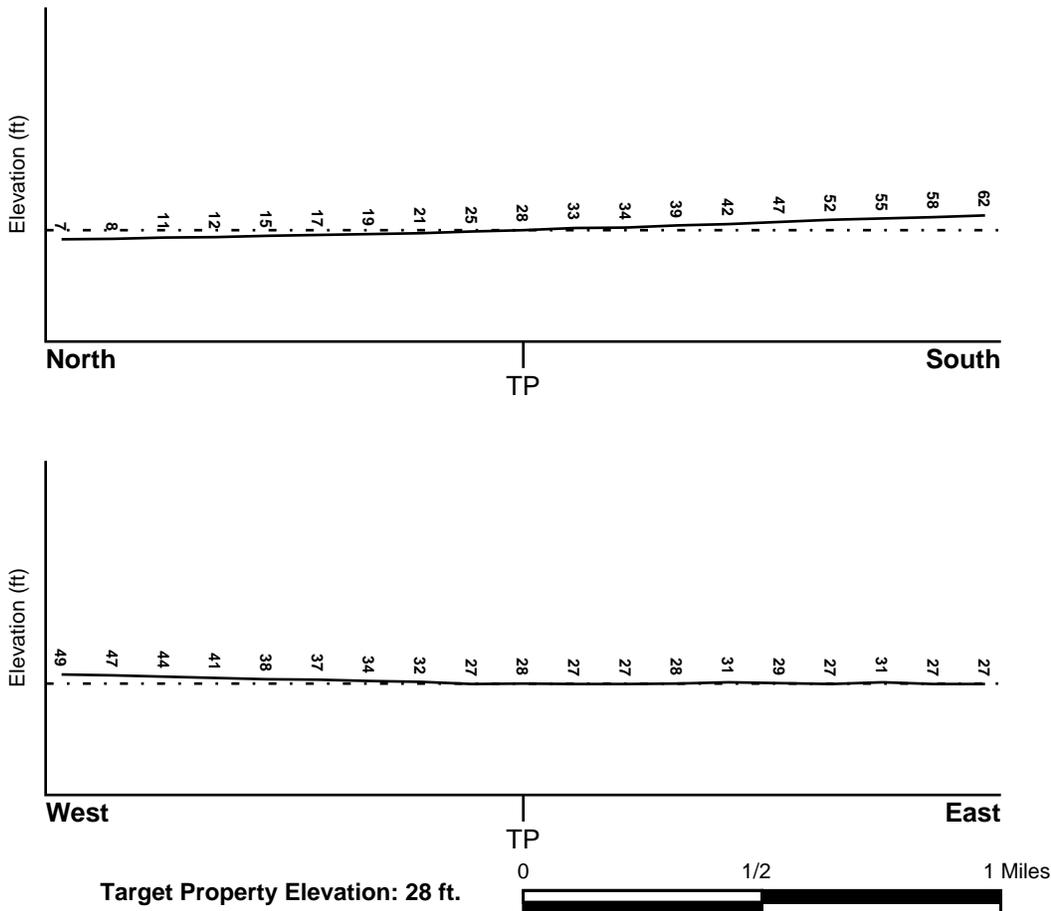
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

Target Property County  
SAN JOAQUIN, CA

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

Flood Plain Panel at Target Property: 0602990565B - FEMA Q3 Flood data

Additional Panels in search area: 0603030005A - FEMA Q3 Flood data  
0602990705A - FEMA Q3 Flood data

## **NATIONAL WETLAND INVENTORY**

NWI Quad at Target Property  
UNION ISLAND

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

## HYDROGEOLOGIC INFORMATION

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

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

Search Radius: 1.25 miles  
Status: Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### **ROCK STRATIGRAPHIC UNIT**

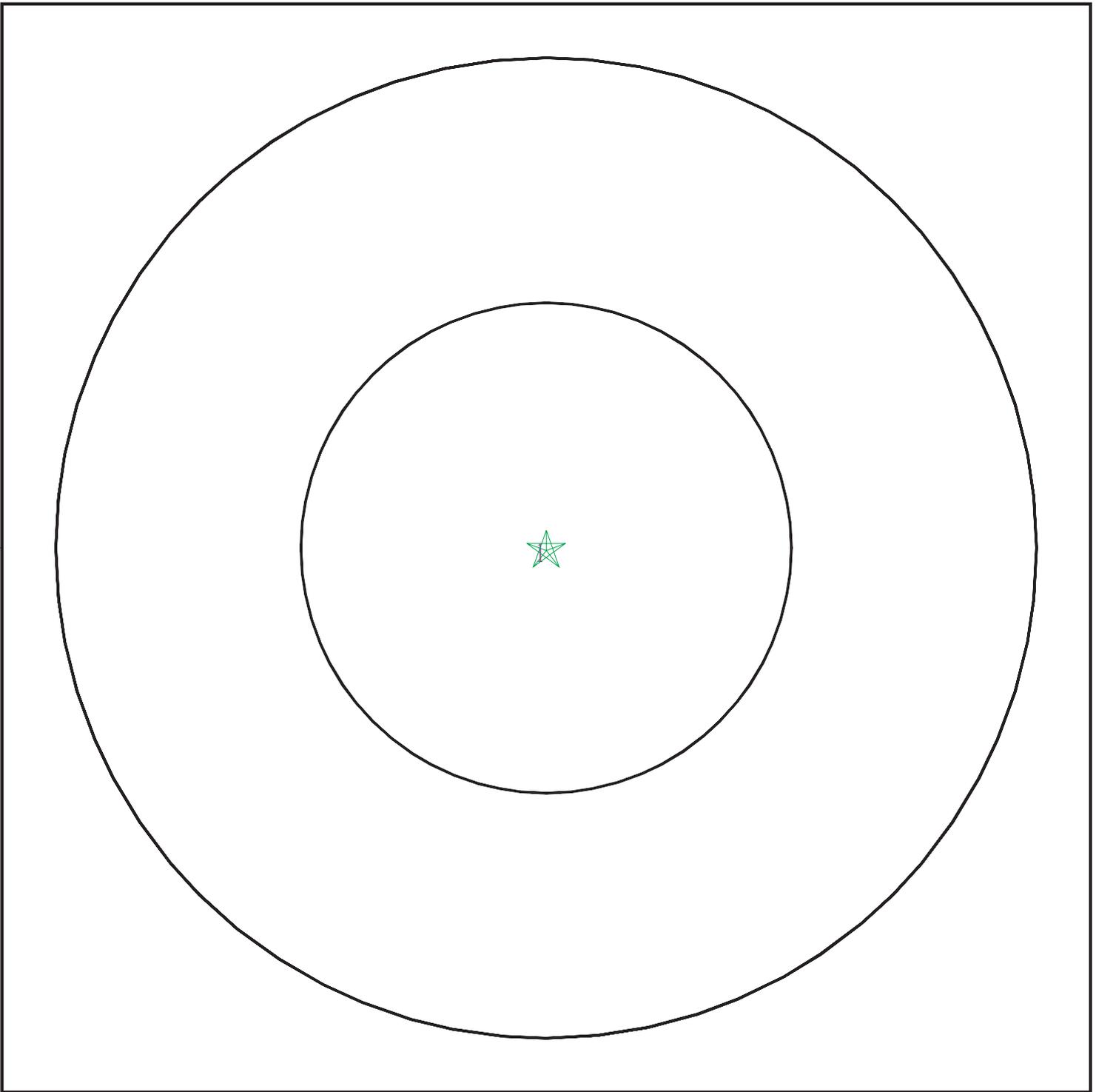
Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

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

# SSURGO SOIL MAP - 2816742.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Filios/Dobler Annexation  
ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road  
Tracy CA 95304  
LAT/LONG: 37.7526 / 121.4792

CLIENT: RBF Consulting  
CONTACT: Kristen Bogue  
INQUIRY #: 2816742.2s  
DATE: July 15, 2010 8:36 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

### Soil Map ID: 1

Soil Component Name: Capay

Soil Surface Texture: clay

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

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	20 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

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

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	USGS3222672	1/8 - 1/4 Mile NE
5	USGS3222868	1/2 - 1 Mile ESE
6	USGS3222876	1/2 - 1 Mile WSW
7	USGS3222685	1/2 - 1 Mile WNW
8	USGS3222847	1/2 - 1 Mile SE
9	USGS3222725	1/2 - 1 Mile NNE

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

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

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

## **STATE DATABASE WELL INFORMATION**

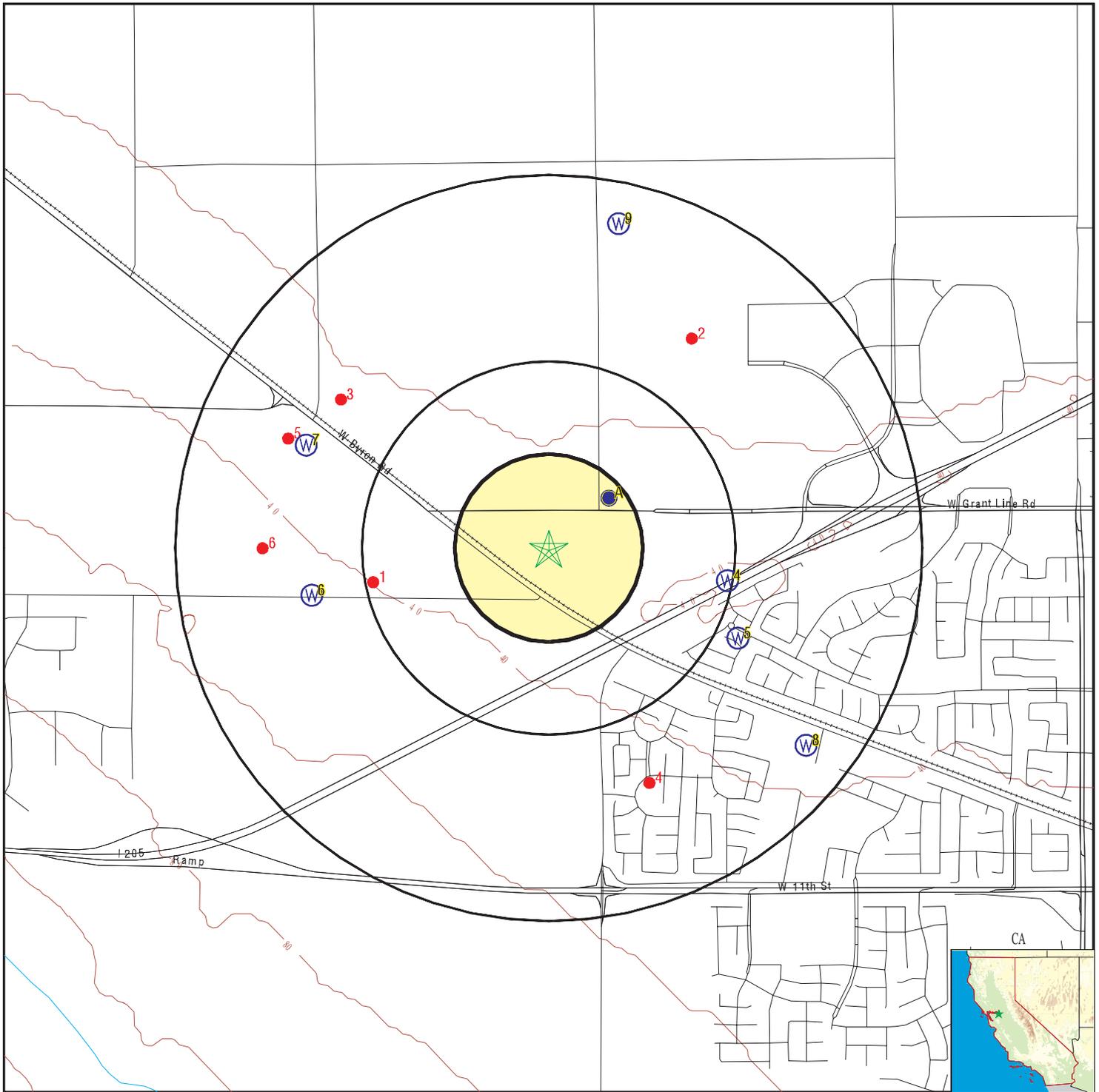
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CADW40000038336	1/8 - 1/4 Mile NE
A2	CADW40000038335	1/8 - 1/4 Mile NE
4	CADW40000038317	1/4 - 1/2 Mile East

## OTHER STATE DATABASE INFORMATION

## **STATE OIL/GAS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG60000191772	1/4 - 1/2 Mile West
2	CAOG60000191800	1/2 - 1 Mile NE
3	CAOG60000191793	1/2 - 1 Mile NW
4	CAOG60000191743	1/2 - 1 Mile SSE
5	CAOG60000191786	1/2 - 1 Mile WNW
6	CAOG60000191776	1/2 - 1 Mile West

# PHYSICAL SETTING SOURCE MAP - 2816742.2s



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



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



SITE NAME: Filios/Dobler Annexation  
 ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road  
 Tracy CA 95304  
 LAT/LONG: 37.7526 / 121.4792

CLIENT: RBF Consulting  
 CONTACT: Kristen Bogue  
 INQUIRY #: 2816742.2s  
 DATE: July 15, 2010 8:36 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**NE**  
**1/8 - 1/4 Mile**  
**Lower**

**CA WELLS      CADW40000038336**

Longitude:            -121.4753  
Latitude:              37.7547  
Stwellno:             02S05E18N002M  
Districtco:           7  
Welluseco:            Z  
Countyco:            39  
Gwcode:              502215  
Site id:                CADW40000038336

**A2**  
**NE**  
**1/8 - 1/4 Mile**  
**Lower**

**CA WELLS      CADW40000038335**

Longitude:            -121.4753  
Latitude:              37.7547  
Stwellno:             02S05E18N001M  
Districtco:           8  
Welluseco:            Z  
Countyco:            39  
Gwcode:              502215  
Site id:                CADW40000038335

**A3**  
**NE**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS3222672**

Agency cd:	USGS	Site no:	374516121283001
Site name:	002S005E18N001M	EDR Site id:	USGS3222672
Latitude:	374516	Dec lat:	37.75437347
Longitude:	1212830	Coor meth:	M
Dec lon:	-121.47605743	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	077
State:	06	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	23.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Joaquin Delta. California. Area = 938 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19590101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	130	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	8479423710		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data count:	0
Daily flow data end date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data begin date:	0000-00-00		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 1979-05-23  
 Ground water data begin date: 1967-05-01  
 Ground water data count: 1

Water quality data begin date: 1979-05-23  
 Water quality data count: 1  
 Ground water data end date: 1967-05-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1967-05-01	5.00	

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

**CA WELLS      CADW40000038317**

Longitude: -121.4694  
 Latitude: 37.7514  
 Stwllno: 02S05E19C001M  
 Districtco: 8  
 Welluseco: Z  
 Countyco: 39  
 Gwcode: 502215  
 Site id: CADW40000038317

**5  
ESE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS3222868**

Agency cd:	USGS	Site no:	374457121280801
Site name:	002S005E19C001M	EDR Site id:	USGS3222868
Latitude:	374457	Dec lat:	37.7490958
Longitude:	1212808	Coor meth:	M
Dec lon:	-121.46994608	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	077
State:	06	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	26.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Joaquin Delta. California. Area = 938 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19480101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	615	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data count:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
 Water quality data end date: Not Reported  
 Ground water data begin date: Not Reported  
 Ground water data count: Not Reported

Water quality data begin date: Not Reported  
 Water quality data count: Not Reported  
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**6**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3222876**

Agency cd:	USGS	Site no:	374503121292301
Site name:	002S004E13N001M	EDR Site id:	USGS3222876
Latitude:	374503	Dec lat:	37.75076251
Longitude:	1212923	Coor meth:	M
Dec lon:	-121.49077991	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	077
State:	06	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	48.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Joaquin Delta. California. Area = 938 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19510101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM OF THE COAST RANGE, YOUNGER (PLEISTOCENE-HOLOCENE)		
Well depth:	232	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	8479423710		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data begin date:	1968-05-03	Water quality data begin date:	1967-04-06
Water quality data end date:	1952-06-01	Water quality data count:	2
Ground water data begin date:	1952-06-01	Ground water data end date:	1952-06-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel
-----		
1952-06-01	20.00	

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

**FED USGS      USGS3222685**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	374524121292401
Site name:	002S004E13M001M		
Latitude:	374524	EDR Site id:	USGS3222685
Longitude:	1212924	Dec lat:	37.75659568
Dec lon:	-121.4910578	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	077
Country:	US	Land net:	Not Reported
Location map:	UNION ISLAND	Map scale:	24000
Altitude:	28.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Joaquin Delta. California. Area = 938 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19510101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM OF THE COAST RANGE, YOUNGER (PLEISTOCENE-HOLOCENE)		
Well depth:	232	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	8479423710		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data begin date:	1963-03-14	Water quality data count:	1
Water quality data end date:	1963-03-14	Ground water data begin date:	0000-00-00
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**8  
SE  
1/2 - 1 Mile  
Higher**

**FED USGS USGS3222847**

Agency cd:	USGS	Site no:	374442121275601
Site name:	002S005E19L001M		
Latitude:	374442	EDR Site id:	USGS3222847
Longitude:	1212756	Dec lat:	37.74492918
Dec lon:	-121.4666126	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	077
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	33.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Joaquin Delta. California. Area = 938 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19550101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974-11-04	36.00	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

**1**

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

**OIL\_GAS      CAOG60000191772**

Apinumber:	07720377	Operator:	Conley & Associates, Inc.
Lease:	One Market Street Unit	Well no:	1
Field:	Tracy, West, Gas	Caog m2 area:	Not Reported
Map:	606	Status cod:	006
Source:	Not Reported		
Latitude27:	37.75134		
Longitude2:	-121.48673		
Latitude83:	37.751269		
Longitude8:	-121.487788		
Td:	0		
Sec:	13		
Twn:	2S	Rge:	4E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/27/2007
Abanddate:	09/28/2007	Comments 1:	Not Reported
District:	6	Site id:	CAOG60000191772

**2**

**NE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG60000191800**

Apinumber:	07720272	Operator:	Atlantic Oil Co.
Lease:	Holly Sugar	Well no:	1
Field:	Not Reported	Caog m2 area:	Not Reported
Map:	606	Status cod:	006
Source:	Not Reported		
Latitude27:	37.76081		
Longitude2:	-121.47115		
Latitude83:	37.760739		
Longitude8:	-121.472207		
Td:	0		
Sec:	18		
Twn:	2S	Rge:	5E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/27/2007
Abanddate:	09/28/2007	Comments 1:	Not Reported
District:	6	Site id:	CAOG60000191800

**3**

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

**OIL\_GAS      CAOG60000191793**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	07720554	Operator:	Nahama & Weagant Energy Co.
Lease:	West Tracy	Well no:	1-13
Field:	Tracy, West, Gas	Caog m2 area:	Not Reported
Map:	606	Status cod:	006
Source:	Not Reported		
Latitude27:	37.75844		
Longitude2:	-121.4883		
Latitude83:	37.758369		
Longitude8:	-121.489358		
Td:	0		
Sec:	13		
Twn:	2S	Rge:	4E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/27/2007
Abanddate:	09/28/2007	Comments 1:	Not Reported
District:	6	Site id:	CAOG60000191793

---

4

**SSE**

**1/2 - 1 Mile**

**OIL\_GAS**

**CAOG60000191743**

Apinumber:	07700344	Operator:	Tiger Oil Co.
Lease:	Correia	Well no:	1
Field:	Not Reported	Caog m2 area:	Not Reported
Map:	606	Status cod:	006
Source:	Not Reported		
Latitude27:	37.74354		
Longitude2:	-121.47322		
Latitude83:	37.743469		
Longitude8:	-121.474277		
Td:	0		
Sec:	19		
Twn:	2S	Rge:	5E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/27/2007
Abanddate:	09/28/2007	Comments 1:	Not Reported
District:	6	Site id:	CAOG60000191743

---

5

**WNW**

**1/2 - 1 Mile**

**OIL\_GAS**

**CAOG60000191786**

Apinumber:	07720570	Operator:	Enerfin Resources NLP
Lease:	Tracy	Well no:	13-25
Field:	Tracy, West, Gas	Caog m2 area:	Not Reported
Map:	606	Status cod:	024
Source:	Not Reported		
Latitude27:	37.75692242		
Longitude2:	-121.490883385		
Latitude83:	37.756851		
Longitude8:	-121.491941		
Td:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	13	Rge:	4E
Twn:	2S		
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/27/2007
Abanddate:	09/28/2007	Comments 1:	Not Reported
District:	6	Site id:	CAOG60000191786

**6**  
**West**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG60000191776**

Apinumber:	07720576	Operator:	Enerfin Resources NLP
Lease:	West Tracy	Well no:	13-28
Field:	Tracy, West, Gas	Caog m2 area:	Not Reported
Map:	606	Status cod:	025
Source:	Not Reported		
Latitude27:	37.752658426		
Longitude2:	-121.492136594		
Latitude83:	37.752587		
Longitude8:	-121.493195		
Td:	0		
Sec:	13		
Twn:	2S	Rge:	4E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	06/27/2007
Abanddate:	09/28/2007	Comments 1:	Not Reported
District:	6	Site id:	CAOG60000191776

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for SAN JOAQUIN County: 3

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

Federal Area Radon Information for SAN JOAQUIN COUNTY, CA

Number of sites tested: 20

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.530 pCi/L	90%	10%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.050 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

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

Source: United States Geologic Survey

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

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

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

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

### SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

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

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

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

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

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

### STREET AND ADDRESS INFORMATION

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[LINK TO THIS MAP](#)

# GEOTRACKER

## LAYERS

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- Permitted Underground Storage Tank (UST) Facilities
- Monitoring Wells
- ▲ DTSC Cleanup Sites
- ▲ DTSC Haz Waste Permit

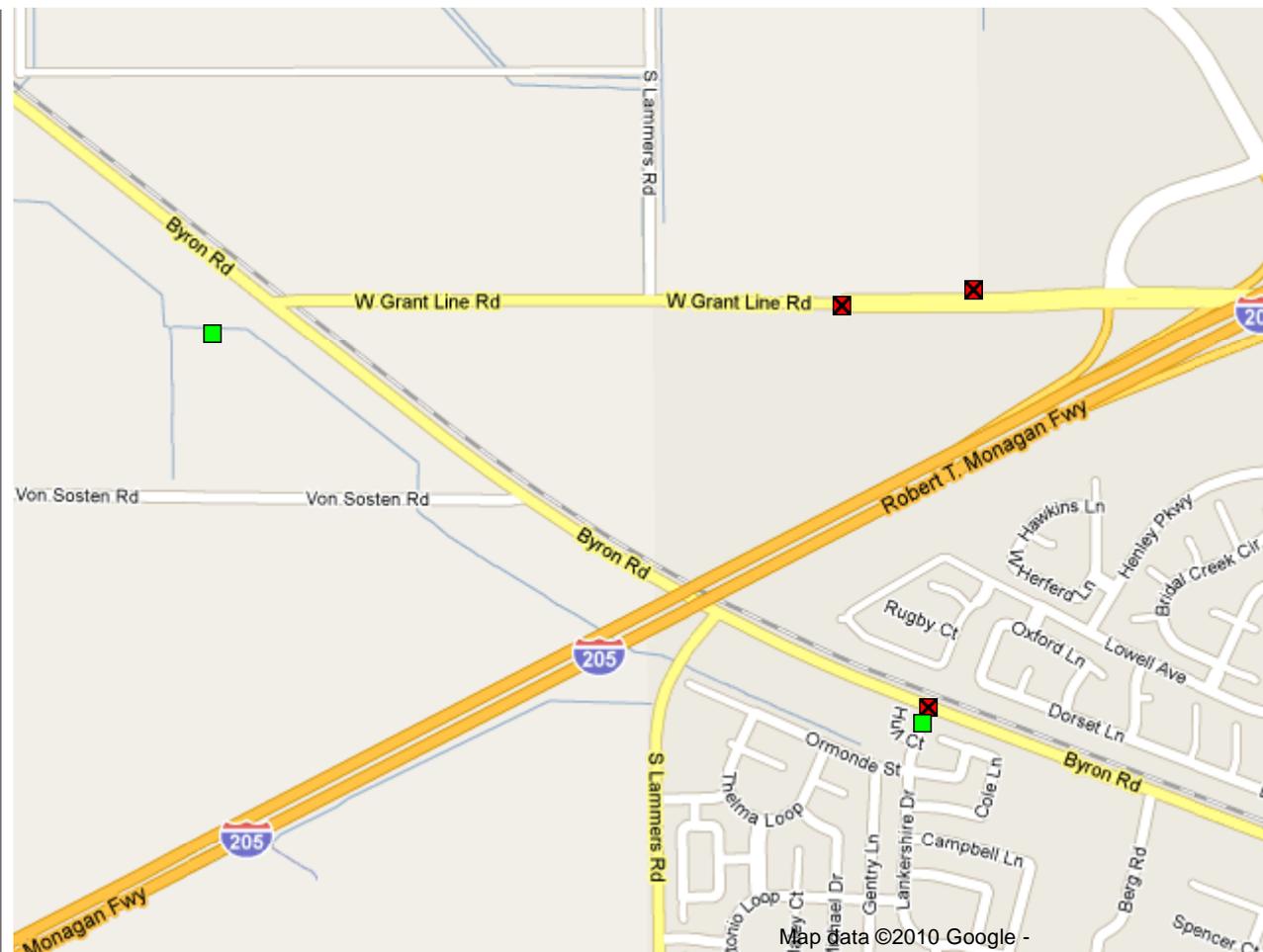
## MAP SIZE

640x480

## OPTIONS

- Site List - [EXPORT TO EXCEL](#)

6 Sites



SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS:

## SITE LIST

<b>SITE NAME</b>	<b>GLOBAL ID</b>	<b>CLEANUP STATUS</b>	<b>ADDRESS</b>	<b>CITY</b>
<input checked="" type="checkbox"/> <a href="#">CALDRON GENERAL STORE</a>	T0607700530	COMPLETED - CASE CLOSED	12750 BYRON RD W	TRACY
<input checked="" type="checkbox"/> <a href="#">CHEVRON, BYRON ROAD, TRACY</a>	SL0607749525	OPEN - SITE ASSESSMENT	BYRON RD	TRACY
<input checked="" type="checkbox"/> <a href="#">CHEVRON, CATELLUS, TRACY</a>	SL0607736148	OPEN - SITE ASSESSMENT	W. BYRON ROAD	TRACY
<input checked="" type="checkbox"/> <a href="#">GILLILAND PROPERTY</a>	T0607700393	COMPLETED - CASE CLOSED	3776 GRANT LINE RD	TRACY
<input checked="" type="checkbox"/> <a href="#">J.B. TERMINAL</a>	T0607700061	COMPLETED - CASE CLOSED	6700 GRANT LINE RD W	TRACY
<input checked="" type="checkbox"/> <a href="#">WAL MART STORE #2025</a>	T0607700904	COMPLETED - CASE CLOSED	3010 GRANT LINE RD W	TRACY

MAP AN ADDRESS:

Go!

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON, CATELLUS, TRACY (SL0607736148) - (MAP)**

W. BYRON ROAD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
 CENTRAL VALLEY RWQCB (REGION 5F) (**LEAD**) - CASE #: 2050277  
**CASEWORKER:** [C DEAN HUBBARD](#)  
 SAN JOAQUIN COUNTY LOP  
**CASEWORKER:** [MICHAEL INFURNA](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS - [DEFINITIONS](#)**

**OPEN - SITE ASSESSMENT AS OF 10/1/2005**

**POTENTIAL CONTAMINANTS OF CONCERN**

PETROLEUM - OTHER

**POTENTIAL MEDIA AFFECTED**

OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

**FILE LOCATION**

REGIONAL BOARD

Site History

The Site is located on West Byron Road from Von Sosten Road to West Grant Line Road near Tracy on approximately 700 acres. Historically the Old Valley Pipeline (OVP) ran underneath the property. It transported crude oil and bunker C fuel from Bakersfield to Richmond from the early 1900s to the late 1960s. Currently the Site is undeveloped but is within the sphere of influence for the City of Tracy.

Starting in 1998 a series of Site investigations were performed. The investigations indicated the presence of San Joaquin Valley crude oil in the soil and groundwater.

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON, CATELLUS, TRACY (SL0607736148) - (MAP)**

W. BYRON ROAD  
 TRACY, CA 95376  
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Cleanup Status History

DATE	STATUS
10/1/2005	Open - Site Assessment
10/1/2005	Open - Case Begin Date

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON, CATELLUS, TRACY (SL0607736148) - (MAP)**

W. BYRON ROAD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
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**CASEWORKER:** [C DEAN HUBBARD](#)  
 SAN JOAQUIN COUNTY LOP  
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[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS - DEFINITIONS**

**OPEN - SITE ASSESSMENT AS OF 10/1/2005**

**POTENTIAL CONTAMINANTS OF CONCERN**

PETROLEUM - OTHER

**POTENTIAL MEDIA AFFECTED**

OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)

**FILE LOCATION**

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Cleanup Status History

DATE	STATUS
10/1/2005	Open - Site Assessment
10/1/2005	Open - Case Begin Date

Regulatory Activities

	ACTION TYPE	ACTION DATE	ACTION
<a href="#">VIEW DOCS</a>	OTHER REGULATORY ACTIONS	4/15/2009	Technical Correspondence / Assistance / Other
<a href="#">VIEW DOCS</a>	OTHER REGULATORY ACTIONS	12/17/2008	Technical Correspondence / Assistance / Other
	LEAK ACTION	10/1/2005	Leak Discovery
	LEAK ACTION	10/1/2005	Leak Reported
	CLEANUP ACTION	10/1/2005	
	LEAK ACTION	1/2/1965	Leak Stopped
	LEAK ACTION	1/2/1965	Leak Began


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0.078125 seconds



# California Regional Water Quality Control Board Central Valley Region

Karl E. Longley, ScD, P.E., Chair



Arnold  
Schwarzenegger  
Governor

Linda S. Adams  
Secretary for  
Environmental  
Protection

1685 E Street, Fresno, California 93706  
(559) 445-5116 • Fax (559) 445-5910  
<http://www.waterboards.ca.gov/centralvalley>

**FILE**

15 April 2009

M. Scott Mansholt  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road  
Room 3432  
San Ramon, CA 94583

## REVIEW - SOIL AND GROUNDWATER INVESTIGATION REPORT CLARIFICATION, CATELLUS PROPERTY, TRACY, SAN JOAQUIN COUNTY

Chevron Environmental Management Company (Chevron) submitted a Soil and Groundwater Investigation Report clarification letter, dated 27 January 2009 and prepared by Science Applications International Corporation (SAIC).

Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff had requested that Chevron conduct additional groundwater investigation at the site. Central Valley Water Board staff had directed Chevron to assess whether the source of total petroleum hydrocarbon as diesel reported in one groundwater sample, was the result of a March 2008 diesel fuel spill or the result of a pipeline leak from the historical Old Valley Pipeline and/or Tidewater Associated Oil Company pipelines.

Based on review of the Chevron response, project files and site investigative reports, Central Valley Water Board staff concur that additional groundwater characterization is not needed.

If you have any questions or comments, please contact Dean Hubbard at (559) 445-5179.

SHELTON R. GRAY  
Senior Engineering Geologist

C. DEAN HUBBARD  
Engineering Geologist  
P.G. No. 6357

cc: Michael J. Infurna, San Joaquin County EHD, Stockton  
Michael Jenkins, SAIC, Sacramento  
Dhalvinder Kaur Singh, Tracy

APPROVED  
*CHR*  
Supervising Engineer

**California Environmental Protection Agency**



Linda S. Adams  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board Central Valley Region

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Arnold  
Schwarzenegger  
Governor

FILE

17 December 2008

M. Scott Mansholt  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road  
Room 3432  
San Ramon, CA 94583

## REVIEW - SOIL AND GROUNDWATER INVESTIGATION REPORT, CATELLUS PROPERTY, TRACY, SAN JOAQUIN COUNTY

Chevron Environmental Management Company (Chevron) submitted a Soil and Groundwater Investigation Report, dated 16 September 2008. The site investigation was completed and the report submitted by Science Applications International Corporation (SAIC) on behalf of Chevron. The Catellus Property (Site) lies along Byron Road between Van Sosten Road on the southeast to West Grant Line Road at the northwest end, northwest of Tracy.

In conjunction with the current report, an investigation report completed by SAIC in 2006, was reviewed by Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff, to evaluate the extent of affected soil and groundwater at the Site. Detailed comments are provided in the attached memorandum and summarized below.

SAIC's 2008 report concluded the following:

- The lateral and vertical extent of affected soils has been defined.
- The vertical extent of affected groundwater has been delineated.
- Fuel fingerprint evaluation determined that petroleum hydrocarbons detected are consistent with degraded San Joaquin Valley crude oil.
- The lateral extent of affected groundwater has been delineated except offsite, northeast of the North area. A separate workplan is being prepared by SAIC to address the former Tracy Pump Station.

*California Environmental Protection Agency*

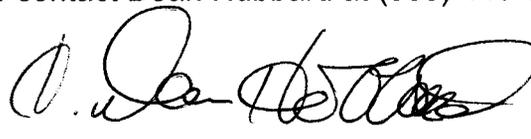
Based on our review, Central Valley Water Board staff concurs that:

- The lateral and vertical extent of affected soil has been delineated.
- Groundwater has been defined up and downgradient of the Singh private domestic well and nearby borings SB-66 and 67. However, additional investigation is needed to confirm if the petroleum hydrocarbons detected in the SB-66 groundwater sample represent diesel fuel or crude oil.
- The lateral and vertical extent of affected groundwater has been delineated except for near SB-66 and the area downgradient of the former Tracy Pump Station facility which will be addressed separately.

By **20 February 2009**, please submit the workplan to address the source of TPHd identified in the SB-66 groundwater sample.

If you have any questions or comments, please contact Dean Hubbard at (559) 445-5179.

  
SHELTON R. GRAY  
Senior Engineering Geologist

  
C. DEAN HUBBARD  
Engineering Geologist  
P.G. No. 6357

Attachment

cc: Michael J. Infurna, San Joaquin County EHD, Stockton  
Charles McPhee, Catellus Tracy LLC, Tracy  
Michael Turner, Prologis, Tracy  
Dhalvinder Kaur Singh, Tracy





# California Regional Water Quality Control Board Central Valley Region

Karl E. Longley, ScD, P.E., Chair

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Arnold  
Schwarzenegger  
Governor

Linda S. Adams  
Secretary for  
Environmental  
Protection

**TO:** Shelton R. Gray  
Senior Engineering Geologist

**FROM:** C. Dean Hubbard  
Engineering Geologist

**DATE:** 17 December 2008

**SIGNATURE:** 

**SUBJECT: REVIEW – SOIL AND GROUNDWATER INVESTIGATION REPORT, CATELLUS PROPERTY, TRACY, SAN JOAQUIN COUNTY**

Chevron Environmental Management Company (Chevron) submitted a Soil and Groundwater Investigation Report, dated 16 September 2008. The Catellus Property (Site) is along the former Old Valley Pipeline (OVP) right-of-way (ROW) easement adjacent to Byron Road, between West Grant Line Road and Van Sosten Road, immediately northwest of Tracy. I have reviewed the referenced report, prepared for Chevron by Science Applications International Corporation (SAIC), and my comments are provided below. A reference figure provided by SAIC is attached.

### Background

The historical OVP and Tidewater Associated Oil Company (TAOC) pipelines transported crude oil between Kern County oil fields and refineries in the Richmond area until the 1960's. The pipelines were owned/operated by Chevron predecessors until removed from service in the late 1960s or early 1970s. The OVP is on the west side of the W. Byron Road easement and the former TAOC pipeline is along the east side of W. Byron Road within the adjacent Union Pacific Railroad (UPRR) ROW east of the highway.

Reportedly, prior to abandonment one or both of the historical pipelines transported Bunker C fuel oil from the refineries to locomotive fueling centers in Tracy. In addition to the TAOC line, two active refined product pipelines, Bay Area Products Line and the Kinder Morgan Line, are within the ROW.

In 2006, Site investigations were undertaken as part of Chevron's "forward-looking" environmental assessment of properties along the historical pipelines. In early 2006, crude oil affected soil and groundwater, later attributed to OVP/TAOC leaks, were identified during a utility trench excavation. In June 2006, SAIC implemented a workplan to evaluate Site conditions and the findings were provided in a 28 September 2006 report. Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff reviewed the report in a 16 November 2006 response to Chevron, including approval for an additional investigation workplan.

The adjacent areas are primarily agricultural land, local access roads, and some rural residences. Another Chevron OVP crude oil investigation site, the former Tracy Pump Station, is adjacent north of the Catellus Site. California Interstate Highway 205 is less than one-quarter mile to the southeast.

## Current Investigation

The purpose of the current investigation was to delineate the lateral and vertical extent of crude oil affected soil and groundwater partially defined during the June 2006 investigation. Impacted soil and groundwater previously designated as "North, Central, and South affected areas" were identified for additional characterization.

To define the lateral and vertical extent of affected soil and groundwater, SAIC compared analytical results to applicable environmental screening levels. The screening levels are provided in: 1) U.S. Environmental Protection Agency Region 9, *Preliminary Remediation Goals, October 2004* (PRGs) and 2) San Francisco Regional Water Quality Control Board - Environmental Screening Levels (ESLs) in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, May 2008*.

The analytical results from the investigations were compared to the respective PRGs and/or ESLs to estimate contaminant concentrations in soil and groundwater that are considered protective of human health. In addition, the Water Quality Objectives (WQOs) provided in the 2004 California Regional Water Quality Control Board document entitled *Beneficial Use-Protective Water Quality Limits for Components of Petroleum-Based Fuels* were considered in conjunction with the ESLs/PRGs to determine local groundwater quality parameters. The lowest and most conservative PRG, ESL, and/or WQO constituent concentrations applicable to the anticipated future site use(s) were considered in determining the extent of affected soil and groundwater.

In May 2008, soil borings were completed and 44 soil and 25 groundwater samples were submitted for analysis of the petroleum hydrocarbon constituents. Two soil samples were submitted for fuel fingerprint evaluation to determine the type of petroleum hydrocarbons present. Depth to groundwater ranged from 5 to 15 feet below ground surface (bgs). The gradient is northeast as determined by monitoring well data from the adjacent OVP Tracy Pump Station property.

## Soil

During the investigation, 26 borings were advanced to depths of 16 to 40 feet bgs. According to the analytical reports, soil sample results were less than applicable environmental screening levels except as described below. Total petroleum hydrocarbons as crude oil (TPHc), detected at 7,000 milligrams per kilogram (mg/kg) to 24,000 mg/kg, in borings SB-8B and SB-40 between 8 and 9.5 feet bgs, exceeds the applicable ESL for TPHc.

Review of lithologic logs described separate phase oil (SPO) in boring SB-8B from approximately 7 to 14 feet bgs, extending to groundwater. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in the sample from 9.5 feet bgs at concentrations of 6.0, 2.1, 11.0, and 13.0 mg/kg, respectively.

Analytical results of polynuclear aromatic hydrocarbons (PAHs) of four samples from SB-8B and SB-40 detected up to five PAHs were at or slightly exceeded respective PRGs/ESLs. The analysis of soil samples detected PAHs at or near the method detection limits or were

non-detect (ND) for the remaining soil samples. PAH concentrations greater than screening levels for these boring samples were: a) benzo(a)anthracene, b) benzo(a)pyrene, and c) naphthalene. The ESL for benzo(b)fluoranthene was exceeded only in the sample from 9.5 feet bgs in SB-8B. Remaining samples from the two borings at depths of 15.5 and 29 feet bgs respectively, were ND for TPH compounds. Subsequently, the result of the 2008 offset borings defined the lateral extent of affected soil for the Central area.

The vertical extent of TPHc affected soil for the three areas of the Site was defined by ND results at depths between 29 and 36 feet bgs. Laterally, delineation was defined by ND results for the TPH constituents of samples from depths between 5 and 36 feet bgs. A fuel fingerprint evaluation of two samples from 11.5 and 15 feet bgs reported the petroleum hydrocarbons were consistent with weathered San Joaquin Valley crude oil.

SAIC concluded that the lateral and vertical extent of crude oil affected soil for the Site has been delineated and additional characterization is not needed.

### Groundwater

Groundwater samples from 23 borings, plus one duplicate and one sample from the DW Singh private well were submitted for analysis. Five of the samples, including the Singh well, were ND for TPH as diesel (TPHd). Analysis of ten samples detected low TPHd concentrations ranging between 59 and 93 micrograms per liter ( $\mu\text{g/L}$ ). These TPHd concentrations are below the ESL and WQO taste and odor maximum concentration of 100  $\mu\text{g/L}$  which is intended to limit general groundwater resource degradation. Analysis of seven samples detected TPHd concentrations between 110 and 180  $\mu\text{g/L}$  and three had concentrations of 240, 270, and 270  $\mu\text{g/L}$ . The latter results were for groundwater samples from three offsite borings completed northeast of the North affected area, and the former Tracy Pump Station facility.

With the exception of benzene detected in groundwater at 0.30  $\mu\text{g/L}$  in boring SB-8B where separate phase crude oil was noted, BTEX compounds were ND. Naphthalene was detected in this same boring at a concentration of 0.097  $\mu\text{g/L}$ . In addition, low concentrations of two PAHs detected in two other borings from 0.0085 to 0.017  $\mu\text{g/L}$  are equal to or slightly above respective ESLs and/or WQOs.

According to SAIC's report, soil samples from boring SB-66 were unaffected. Analysis of a groundwater sample however detected TPHd at a concentration of 270  $\mu\text{g/L}$  and ND for BTEX and PAHs. Borings SB-66 and SB-67 were drilled to evaluate groundwater conditions downgradient of the Singh well where reportedly, a diesel fuel spill was previously documented on Singh's property. The two borings and the Singh well were sampled to determine if diesel fuel impacted groundwater may exist at/near this location. The Singh and SB-67 groundwater samples were ND for TPH constituents.

The up and downgradient extent of affected groundwater has been defined for the three different study areas indicated by ND results or TPHd concentrations at less than the ESLs and/or WQOs. The vertical extent of crude oil affected groundwater was defined by ND

results for TPHd at depths of 30, 34, and 36 feet bgs, respectively for the North, Central, and South study areas.

Based on the report, SB-66 was drilled approximately 150 feet east of the Singh well, and SB-67 was less than 50 feet northwest of SB-66, both very close to the OVP alignment. However, SAIC concluded that the TPHd detected in SB-66 was an anomaly and not attributable to the historical OVP or TAOC pipelines since groundwater samples from the surrounding and downgradient borings were ND for TPH compounds.

Total dissolved solids (TDS) concentrations ranged from approximately 1,200 to 9,680 milligrams per liter (mg/L) for 11 groundwater samples, including the Singh well. As reported by SAIC, the Singh property owner indicated that the well is not used for domestic purposes. Except for the two highest values of 6,170 and 9,680 mg/L, the TDS values are consistent with those documented in groundwater at nearby Mountain House and City of Tracy OVP projects. The reported TDS values exceed the U.S. Environmental Protection Agency Recommended Secondary Maximum Contaminant Level of 500 mg/L, which is based on aesthetic (taste and odor) and technical (staining and corrosion) characteristics.

Use of the shallow groundwater in Tracy is prohibited by Municipal Code for domestic or municipal use for reasons unrelated to the historical OVP/TAOC pipelines.

SAIC concluded and recommended the following:

- The lateral and vertical extent of affected soil has been defined for the three different areas of the Site. Vertically, affected soil has been defined at approximate depths of between 30 and 36 feet bgs.
- The vertical extent of affected groundwater has been delineated.
- The lateral extent of affected groundwater has been delineated except northeast of the North area. A separate workplan will be prepared to address the affected groundwater at the former Tracy Pump Station.

Based on my review, I have the following comments:

- I concur that the lateral and vertical extent of affected soil has been delineated.
- Groundwater has been defined up and downgradient of the Singh private well and the associated borings. However, additional investigation is needed in the vicinity of boring SB-66 to confirm if the petroleum hydrocarbons detected are diesel fuel or crude oil.
- I concur that the lateral and vertical extent of affected groundwater has been delineated except as noted for the area downgradient of the former Tracy Pump Station facility. Except for confirmation in the area around SB-66, additional characterization is not needed at Catellus.



**M. Scott Mansholt**  
Sr. Environmental  
Project Management  
Specialist

**Chevron Environmental  
Management Company**  
6111 Bollinger Canyon Rd.  
San Ramon, CA 94583  
Tel (925) 543-2353  
Fax (925) 543-2323  
scott.mansholt@chevron.com

January 27, 2009

HPP-BTR MP #217.9  
Catellus Property  
Agency Correspondence–RWQCB

Mr. C. Dean Hubbard  
California Regional Water Quality Control Board  
Central Valley Region  
1685 E. Street  
Fresno, California 93706-2020

**Subject: Soil and Groundwater Investigation Report Clarification  
Catellus Property**  
West Byron Road from West Grant Line Road (North) to Van Sosten Road  
Tracy, San Joaquin County, California

Dear Mr. Hubbard:

Enclosed is the subject document prepared by Science Applications International Corporation (SAIC) on behalf of Chevron Environmental Management Company for your review.

If you have any questions or require additional information, please call either Lee Higgins at (925) 543-2365 or me at (925) 543-2353.

Sincerely,

M. Scott Mansholt

MSM/klg

Enclosure:

SAIC, 2009, Soil and Groundwater Investigation Report Clarification, Catellus Property, West Byron Road from West Grant Line Road (North) to Van Sosten Road, Tracy, San Joaquin County, California. January.

cc: Mr. Mike Jenkins–SAIC (letter only)  
3800 Watt Avenue, Suite 210, Sacramento, California 95821  
Mr. Dhalvinder Singh  
14222 W. Byron Road, Tracy, California 95304  
Mr. Steve Buster–Catellus  
66 Franklin Street, Suite 200, Oakland, California 94607



HPP-BTR MP #217.9 to 218.7  
Catellus Property  
Agency Correspondence–RWQCB  
Accession # 06102.20081219.001

January 27, 2009

Mr. M. Scott Mansholt  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road  
San Ramon, California 94583-0712

**Subject: Soil and Groundwater Investigation Report Clarification  
Catellus Property**

West Byron Road from West Grant Line Road (North) to Van Sosten Road  
Tracy, San Joaquin County, California

Dear Mr. Mansholt

Science Applications International Corporation (SAIC) prepared this letter on behalf of Chevron Environmental Management Company. SAIC submitted a soil and groundwater investigation report for the Catellus Property<sup>1</sup> to the Regional Water Quality Control Board–Central Valley Region (RWQCB) on September 16, 2008.

As part of the investigation, SAIC advanced soil boring SB-66 in the area of a known third-party diesel spill on Assessor's Parcel Number [APN] 209-27-014 immediately adjacent to the Old Valley Pipeline (OVP). The diesel spill occurred when a big-rig truck traveling in dense fog on West Grant Line Road crossed West Byron Road and crashed on APN 209-27-014 in March 2008. A purported 140 gallons of diesel leaked from the ruptured fuel tank onto surface soil. To address the diesel spill, 130 cubic yards of affected soil were reportedly excavated by a third party to approximately 10 to 12 feet below ground surface (bgs). Groundwater was encountered at the bottom of the excavation, but a grab groundwater sample was not collected prior to backfill.

Laboratory analytical results for the SB-66 sample indicated no total petroleum hydrocarbons (TPH) detections in a soil sampled collected from 9.5 feet bgs. A groundwater sample collected from 10 feet bgs returned a TPH quantified as diesel (TPHd) detection of 270 micrograms per liter ( $\mu\text{g/L}$ ), which exceeded the TPH Environmental Screening Level (ESL)/Water Quality Objective (WQO) of 100  $\mu\text{g/L}$ . There were no WQO or ESL exceedances of polynuclear aromatic hydrocarbons (PAHs), or benzene, toluene, ethylbenzene, and total xylenes (BTEX) in the SB-66 sample.

---

1. SAIC, 2008. *Soil and Groundwater Investigation Report, Catellus Property, West Byron Road and West Grant Line Road, Tracy, California*. September.

During a call between SAIC and the RWQCB in November 2008 to discuss the results of the May 2008 site investigation, the RWQCB indicated they would request additional site investigation activities in the area of the diesel spill to determine if the 270 µg/L TPHd detection in the SB-66 groundwater sample was the result of a historic release from the adjacent OVP. SAIC requests that the RWQCB re-consider their request for an additional boring in this area for the following reasons:

- Soil boring SB-12 was advanced to approximately 15 feet bgs in June 2006, prior to the diesel spill. Affected soil and groundwater were not observed, and soil and groundwater analytical results did not indicate constituents above the screening levels. The absence of affected groundwater in a boring that predates the diesel release, coupled with the presence of affected groundwater nearby (approximately 20 feet bgs) in a boring that postdates the release, suggest that the affected groundwater is the result of the diesel release and not related to the OVP.
- Borings SB-12 and SB-67 were located along the former OVP alignment, at 20 feet and 37 feet, respectively, from boring SB-66, and neither boring showed evidence of affected soil or detections of TPH, PAHs, or BTEX (nor did boring SB-66), further suggesting that a release associated with the OVP has not occurred.

Review of the above data indicated that the TPHd detection in SB-66 appears to be unrelated to the OVP.

If you have questions, please contact me at (916) 979-3828.

Sincerely

*SCIENCE APPLICATIONS INTERNATIONAL CORPORATION*



Mohamed Ibrahim  
Environmental Project Scientist

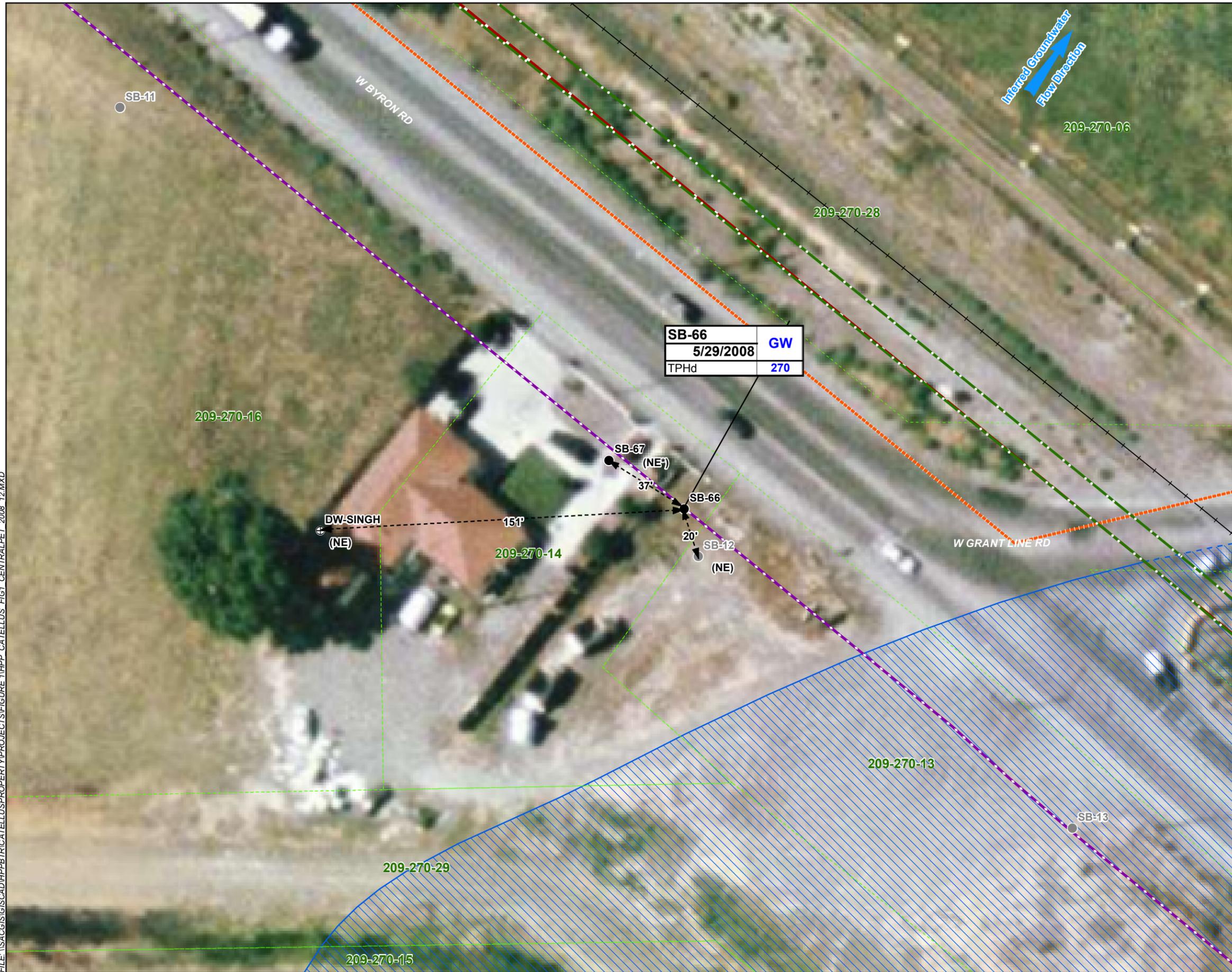
Enclosure:

Figure 1. Analytical Results Near SB-66

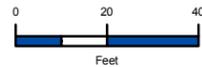
**Figure**

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FILE: \\SACGIS\GIS\CAD\HPP\BTR\CATELLUS\PROPERTY\PROJECTS\FIGURE 1\HPP\_CATELLUS\_FIG1\_CENTRALPET\_2008\_12.MXD



<b>SB-66</b>	<b>GW</b>
<b>5/29/2008</b>	
TPHd	<b>270</b>



- Soil Boring Location (May 2008)
- Soil Boring Location (June 2006)
- ⊕ Domestic Well
- (NE) No Exceedances of PRGs or ESLs in soil; no exceedances of WQOs or ESLs in groundwater
- (NE\*) No Exceedances of PRGs or ESLs in soil; not sampled for groundwater
- Historical Old Valley Pipeline
- Historical Tidewater Associated Oil Company Pipeline
- Bay Area Products Line
- Kinder Morgan Pipeline (approximate)
- Railroad
- San Joaquin County Assessor's Parcel
- Lateral extent of groundwater affected by hydrocarbons, where petroleum constituents exceed WQOs and/or ESLs. Outline dashed where inferred.

TPHd = Total Petroleum Hydrocarbons quantified as diesel  
 GW = Groundwater  
 PRG = U.S. EPA Region 9 Preliminary Remediation Goal  
 ESL = San Francisco Bay RWQCB Environmental Screening Level  
 WQO = Central Valley RWQCB Water Quality Objective  
 U.S. EPA = U.S. Environmental Protection Agency  
 RWQCB = Regional Water Quality Control Board  
 - All results are presented in micrograms per liter (µg/L)  
 - Results presented in **bold** equal or exceed PRGs and/or WQOs. See Tables 2 through 5 for PRGs, ESLs, and WQOs.  
 - For each sample, this figure shows only those analytes with concentrations that equal or exceed PRGs, WQOs, and/or ESLs.

Groundwater flow direction inferred from regional data.  
 Map is a relative representation of current and historical data and should be verified for exact legal or underground work.

**ANALYTICAL RESULTS NEAR SB-66**

CATELLUS PROPERTY  
 W. Byron Road from W. Grant Line Road  
 to Von Sosten Road, Tracy, California

DATE: 12/18/2008 ANALYST: MOORECYN FIGURE:





0 200 400  
Feet

CALIFORNIA LOCATION MAP

- Soil Boring Location (May 2008)
- Soil Boring Location (previous investigation)
- ⊕ Domestic Well
- ⊗ Abandoned Domestic Well
- Bay Area Products Line
- Kinder Morgan Pipeline (approximate)
- Historical Old Valley Pipeline
- Historical Tidewater Associated Oil Company Pipeline
- Railroad
- ▭ Catellus Property
- ▭ Other HPP Investigation Sites

Groundwater flow direction inferred from regional data.  
Map is a relative representation of current and historical data and should be verified for exact legal or underground work.

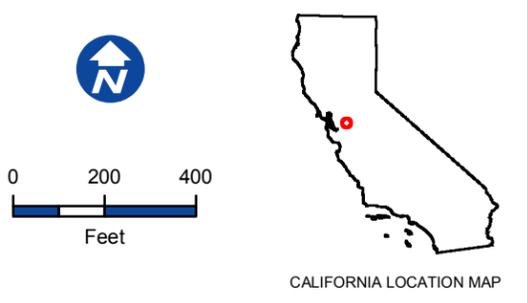
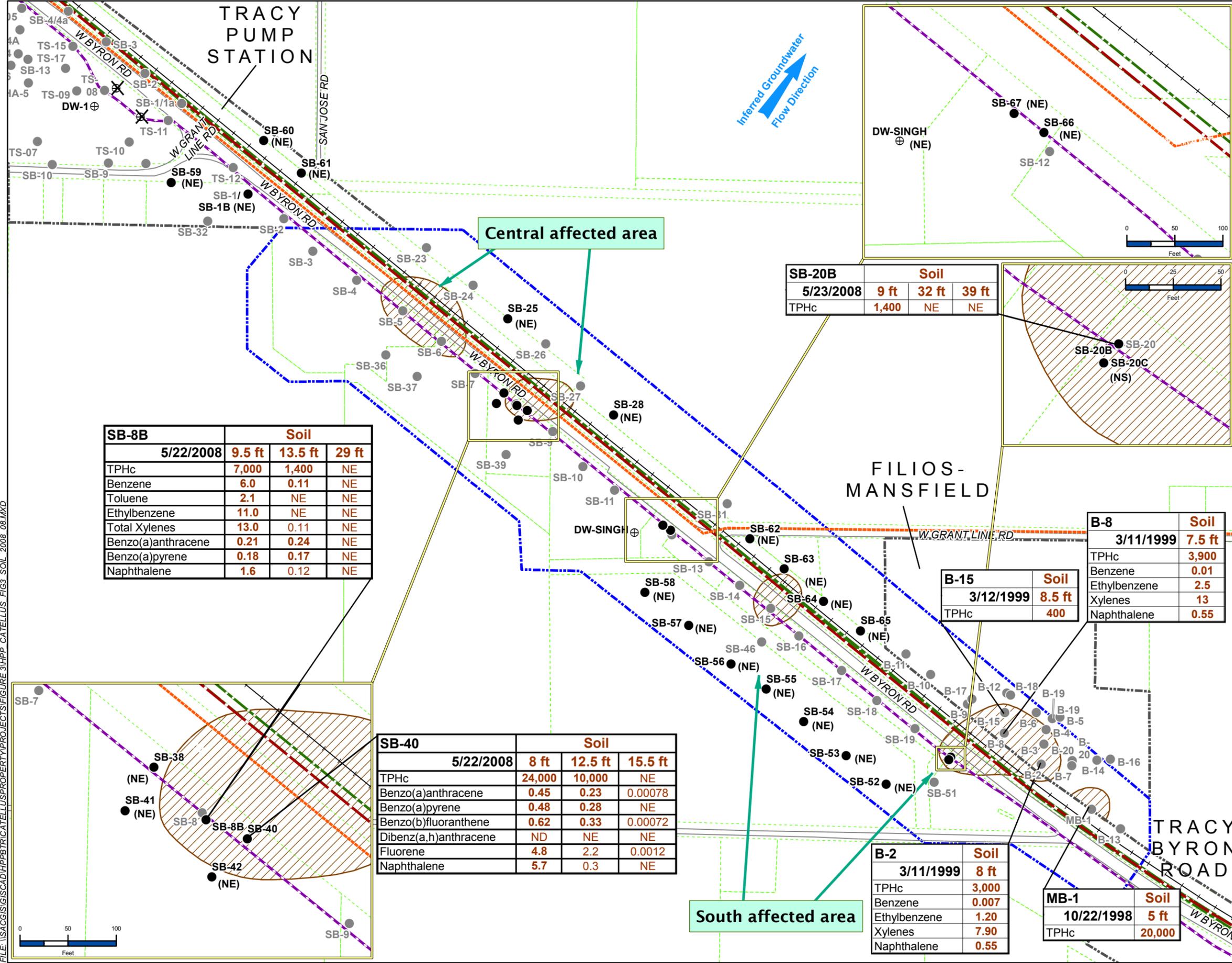
**SITE MAP**

**CATELLUS PROPERTY**  
W. Byron Road from W. Grant Line Road  
to Von Sosten Road, Tracy, California

DATE: 9/12/2008	ANALYST: MOORECYN	FIGURE:
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2

FILE: \\SACGIS\GIS\CAD\HPP\PROJECTS\FIGURE 2\HPP\_CATELLUS FIG2 SITE 2008 07.MXD



- Soil Boring Location (May 2008)
- Soil Boring Location (previous investigation)
- ⊕ Domestic Well
- ⊗ Abandoned Domestic Well
- (NE) No Exceedances of PRGs or ESLs
- (NS) Soil Not Sampled
- Bay Area Products Line
- Kinder Morgan Pipeline (approximate)
- Historical Old Valley Pipeline
- Historical Tidewater Associated Oil Company Pipeline
- Railroad
- Road
- ▭ Catellus Property
- ▭ Other HPP Investigation Sites
- ▭ San Joaquin County Assessor's Parcel
- ▭ Lateral extent of soil affected by hydrocarbons, where petroleum constituents exceed PRGs and/or ESLs. Outline dashed where inferred.

TPHc = Total Petroleum Hydrocarbons quantified as crude oil  
 ND = Not Detected at or above laboratory reporting limit when laboratory reporting limit is higher than PRGs, WQOs, or ESLs.  
 NE = No Exceedances of PRGs or ESLs in soil; no exceedances of WQOs or ESLs in groundwater  
 ft = Feet below ground surface.  
 PRG = U.S. EPA Region 9 Preliminary Remediation Goal  
 ESL = San Francisco Bay RWQCB Environmental Screening Level  
 U.S. EPA = U.S. Environmental Protection Agency  
 RWQCB = Regional Water Quality Control Board  
 - All results are presented in milligrams per kilogram (mg/kg) for soil and micrograms per liter (µg/L) for groundwater.  
 - Results presented in **bold** equal or exceed PRGs and/or ESLs for soil and/or WQOs for groundwater. See Tables 2 through 5 for PRGs, ESLs, and WQOs.  
 - For each sample, this figure shows only those analytes with concentrations that equal or exceed PRGs, WQOs, and/or ESLs.

Groundwater flow direction inferred from regional data.  
 Map is a relative representation of current and historical data and should be verified for exact legal or underground work.

**SOIL ANALYTICAL RESULTS MAP**

CATELLUS PROPERTY  
 W. Byron Road from W. Grant Line Road to Von Sosten Road, Tracy, California

DATE: 9/12/2008 ANALYST: MOORECYN FIGURE:



SB-8B	Soil			
	5/22/2008	9.5 ft	13.5 ft	29 ft
TPHc	7,000	1,400	NE	NE
Benzene	6.0	0.11	NE	NE
Toluene	2.1	NE	NE	NE
Ethylbenzene	11.0	NE	NE	NE
Total Xylenes	13.0	0.11	NE	NE
Benzo(a)anthracene	0.21	0.24	NE	NE
Benzo(a)pyrene	0.18	0.17	NE	NE
Naphthalene	1.6	0.12	NE	NE

SB-20B	Soil			
	5/23/2008	9 ft	32 ft	39 ft
TPHc	1,400	NE	NE	NE

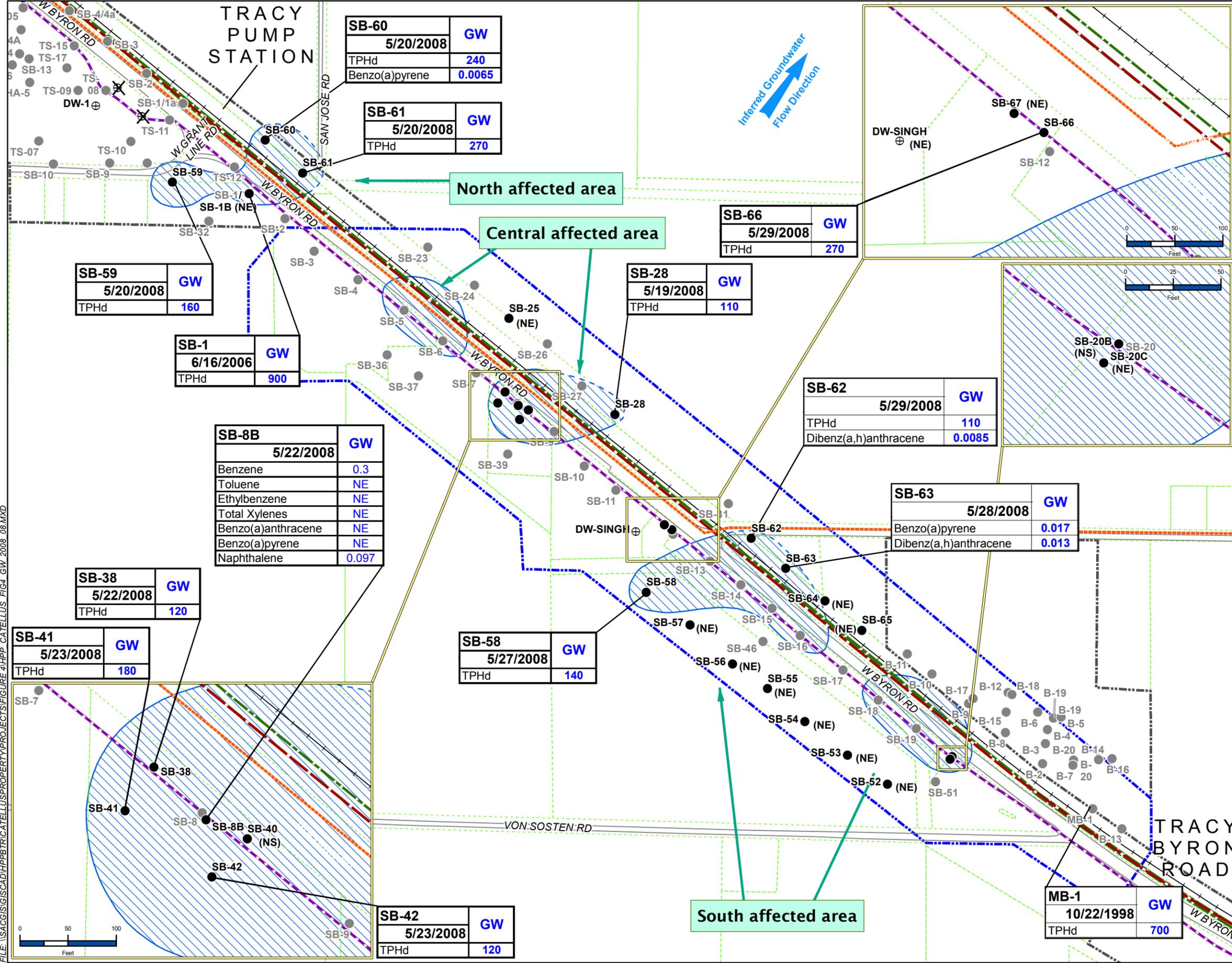
B-8	Soil	
	3/11/1999	7.5 ft
TPHc	3,900	
Benzene	0.01	
Ethylbenzene	2.5	
Xylenes	13	
Naphthalene	0.55	

B-15	Soil	
	3/12/1999	8.5 ft
TPHc	400	

B-2	Soil	
	3/11/1999	8 ft
TPHc	3,000	
Benzene	0.007	
Ethylbenzene	1.20	
Xylenes	7.90	
Naphthalene	0.55	

SB-40	Soil			
	5/22/2008	8 ft	12.5 ft	15.5 ft
TPHc	24,000	10,000	NE	NE
Benzo(a)anthracene	0.45	0.23	0.00078	NE
Benzo(a)pyrene	0.48	0.28	NE	NE
Benzo(b)fluoranthene	0.62	0.33	0.00072	NE
Dibenz(a,h)anthracene	ND	NE	NE	NE
Fluorene	4.8	2.2	0.0012	NE
Naphthalene	5.7	0.3	NE	NE

FILE: \\SACGIS\GIS\CAD\HPP\PROJECTS\FIGURE 3\HPP\_CATELLUS\_FIG3\_SOIL\_2008\_08.MXD



CALIFORNIA LOCATION MAP

- Soil Boring Location (May 2008)
- Soil Boring Location (previous investigation)
- ⊕ Domestic Well
- ⊗ Abandoned Domestic Well
- (NE) No Exceedances of WQOs or ESLs
- (NS) Groundwater Not Sampled
- Bay Area Products Line
- Kinder Morgan Pipeline (approximate)
- Historical Old Valley Pipeline
- Historical Tidewater Associated Oil Company Pipeline
- Railroad
- Road
- ▭ Catellus Property
- ▭ Other HPP Investigation Sites
- ▭ San Joaquin County Assessor's Parcel
- ⊖ Lateral extent of groundwater affected by hydrocarbons, where petroleum constituents exceed WQOs and/or ESLs. Outline dashed where inferred.

TPHd = Total Petroleum Hydrocarbons quantified as diesel  
 NE = No Exceedances of PRGs or ESLs in soil; no exceedances of WQOs or ESLs in groundwater  
 ft = Feet below ground surface.  
 ESL = San Francisco Bay RWQCB Environmental Screening Level  
 WQO = Central Valley RWQCB Water Quality Objective  
 U.S. EPA = U.S. Environmental Protection Agency  
 RWQCB = Regional Water Quality Control Board  
 - All results are presented in milligrams per kilogram (mg/kg) for soil and micrograms per liter (µg/L) for groundwater.  
 - Results presented in **bold** equal or exceed PRGs and/or ESLs for soil and/or WQOs for groundwater. See Tables 2 through 5 for PRGs, ESLs, and WQOs.  
 - For each sample, this figure shows only those analytes with concentrations that equal or exceed PRGs, WQOs, and/or ESLs.

Groundwater flow direction inferred from regional data.  
 Map is a relative representation of current and historical data and should be verified for exact legal or underground work.

**GROUNDWATER ANALYTICAL RESULTS MAP**

CATELLUS PROPERTY  
 W. Byron Road from W. Grant Line Road to Von Sosten Road, Tracy, California

DATE: 9/12/2008    ANALYST: MOORECYN    FIGURE:

4

FILE: \\SACGIS\GIS\CAD\HPP\PROJECTS\FIGURE 4\HPP\_CATELLUS\_FIG4\_GW\_2008\_08.MXD



September 14, 2005

Mr. M. Scott Mansholt  
Chevron Environmental Management Company  
6001 Bollinger Canyon Road, Room K2066  
P.O. Box 6012  
San Ramon, California 94583-2324

*Subject:* Site Investigation Work Plan  
Catellus Property  
West Byron Road and West Grant Line Road  
Tracy, California

Dear Mr. Mansholt:

At the request of Chevron Environmental Management Company (CEMC), Science Applications International Corporation (SAIC) has prepared this work plan for inclusion in a pending Site Access Agreement (SAA) with Catellus Tracy LLC for their property located near the intersection of West Byron Road and Grant Line Road in Tracy, California (Figure 1).

Future development is planned for the Catellus property. The property is found within the sphere of influence of the City of Tracy General Plan and is designated Urban Reserve 4. The General Plan notes this area will be developed for industrial, commercial, and office uses near I-205, with some low-density residential uses located further away from the highway.

In addition, Caltrans and the City of Tracy Public Works Department are developing plans for a potential I-205 Interchange Reconstruction Project on the Catellus property. SAIC reviewed three recommended build alternatives, each of which will involve significant construction activity along West Byron Road.

This work plan was specifically developed to delineate the lateral and vertical extent of potential petroleum-affected soil and groundwater within the Catellus Property. This work plan was prepared in accordance with the *Technical Approach to Site Evaluation and Decision Making, Historical Pipeline Portfolio, Central Valley Region* (CTA; Geomatrix Consultants, Inc. [Geomatrix], 2005).

## **BACKGROUND**

### **SITE DESCRIPTION AND USE**

As shown on Figure 1, the Catellus property is approximately 700 acres in size and is located immediately northwest of the City of Tracy city limits, generally on either side of West Byron Road and between I-205 and Grant Line Road. The property is predominantly agricultural in nature, with one single-family residence preliminarily identified along West Byron Road. At least four former and existing petroleum pipelines parallel West Byron Road in this area.

The former Standard Oil of California, Wait-Mendota-Richmond Pipeline or Old Valley Pipeline (OVP) right of way (ROW) traverses the Catellus property immediately south and west of West Byron Road. The OVP was installed between 1902 and 1904 as a “hot line” (i.e., the oil was heated to facilitate transmission) and carried San Joaquin Valley crude oil north from the Kern River Oil Fields (in and near Bakersfield) to Standard Oil Company’s Richmond Refinery. The pipeline and associated pump stations operated from 1903 until the early to mid 1930s. Pump station equipment and the pipeline were removed south of Tracy and used for other pipeline construction projects in the California, including a second parallel line along the OVP ROW. The pipelines from Tracy to Richmond were used during the early 1940s to primarily transmit Bunker C fuel oil from the refinery to railroad hubs in Tracy. The pipelines northwest of Tracy may have also been used to transport crude oil to various markets within the Bay Area until the late 1960s. The pipelines northwest of Tracy were reportedly abandoned in 1970. Where the pipelines were not abandoned in place, they were removed and their trenches were likely backfilled with the excavated native soil.

The former Tidewater Associated Oil Company (TAOC) Pipeline ROW traverses the Catellus property immediately north and east of West Byron Road in the Union Pacific Railroad (UPRR) ROW. The TAOC pipeline system was constructed in 1907, and like the OVP, transmitted heated crude oil from Bakersfield to the Bay Area. The TAOC pipeline was abandoned in the 1970s.

In addition, two active pipelines exist in the UPRR ROW. These include the Kinder-Morgan pipeline and the Chevron Pipe Line Company’s Bay Area Pipeline (BAPL). Other, as yet not confirmed, pipelines may also exist in the area.

## **REGIONAL/LOCAL HYDROGEOLOGY**

The Catellus property is located within the Tracy Sub-Basin of the San Joaquin Valley Groundwater Basin (Number 5-22.15). This sub-basin is defined by the aerial extent of unconsolidated to semi-consolidated sedimentary deposits that are bounded by the Diablo Range to the west, the Mokelumne and San Joaquin Rivers to the north, the San Joaquin River to the east, and the San Joaquin-Stanislaus County line to the south. The Tracy Sub-basin is comprised of continental deposits of late Tertiary to Quaternary age, which include the Tulare Formation, older alluvium, flood basin deposits, and younger alluvium. The thickness of these deposits ranges from a few hundred feet in the western foothills to about 3,000 feet near the eastern margin of the basin. The Tulare Formation is comprised of semi-consolidated, poorly sorted, discontinuous deposits of clay, silt, and gravel. The Corcoran clay is situated near the top of the Tulare Formation, separating groundwater in the basin in what has been reported as two primary aquifers. The upper aquifer is reported to range in thickness from 15 to 250 feet below ground surface (bgs), and the lower aquifer is reported at a depth of 600 feet bgs. Generally, depth to groundwater in the Tracy Sub-basin varies from 5 to 10 feet bgs (Department of Water Resources [DWR], Update 2003, Bulletin 118).

Locally, the Catellus property is situated at an elevation approximately 35 feet above mean sea level. The topography gently slopes to the northeast. Based on soil and groundwater investigations completed at the former Tracy Pump Station to the north and for the Tracy Byron Road Project to the south, shallow groundwater will likely be encountered between 10 and 20 feet bgs and will likely flow toward the northeast. Based on these investigations, shallow soils beneath the Catellus property will likely be composed of a mixture of fine-grained unconsolidated sediments, consisting mainly of clay, clayey sand, and minor amounts of poorly graded sand.

## **PREVIOUS ENVIRONMENTAL ACTIVITIES**

SAIC is unaware of any environmental investigations or activities that have occurred on the Catellus property in the vicinity of the pipelines. However, we understand the Catellus Tracy LLC is planning on conducting a Phase I/II property assessment for that portion of the property located northeast of West

Byron Road. They indicated ENGEO is preparing a proposal for the property assessment which will include oversight of any work CEMC will conduct on the property.

Environmental investigations have been initiated, and additional work is planned for the former Tracy Pump Station property located immediately north of the Catellus property, and the Tracy Byron Road project located immediately to the south. Petroleum-affected soil and groundwater was detected at each of these properties. In general, the limits of soil and groundwater contamination have been defined in areas west of Byron Road, but additional investigations are planned to the east of Byron Road to delineate the extent of petroleum-affected soil and groundwater. Specific findings may be found in SAIC's *Groundwater Investigation Report, Former Tracy Pump Station, 14821 West Grant Line Road, Tracy, California*, dated May 11, 2004, and SAIC's *Soil and Groundwater Investigation Report, Tracy Byron Road Project, Tracy, California*, dated February 18, 2004. The locations of neighboring soil borings installed for these investigations are shown on Figure 2.

## **OBJECTIVE AND SCOPE**

The objective of this site investigation is to identify areas of petroleum-affected soil and groundwater associated with the Historical Pipeline Portfolio-Bakersfield to Richmond (HPP-BTR) ROW that may exist on the Catellus property. In general, we propose advancing approximately 20 primary soil borings, spaced approximately 200 feet apart, on the west side of Byron Road as shown on Figure 2. An additional 31 secondary or step-out soil borings are proposed contingent on the soil and groundwater conditions encountered in the initial borings. The purpose of these secondary or step-out borings is to define the lateral extent of petroleum-affected soil or groundwater that may be identified by the primary borings. The number of secondary or contingency borings and their locations are provided for planning purposes only. These step-out borings, if warranted, will be installed consistent with the scope of work provided below.

## **SITE ACCESS AND ASSOCIATED PERMITS**

SAIC will submit the appropriate soil boring permit applications to San Joaquin County Public Health Services (SJCPHS) for approval. Access to advance any soil borings located in a City of Tracy right of way (ROW) will require an encroachment permit and possibly traffic control and a performance bond. If warranted, SAIC will secure an encroachment permit and the appropriate level of traffic control, and submit any performance bond requirements to CEMC for authorization. Those proposed soil borings that are on private property will require an access agreement. CEMC will secure access to these properties prior to any fieldwork.

A site-specific health and safety plan (HASP) will be prepared prior to any field activities. The HASP will include driving directions to the nearest hospital, a hospital route map, and job safety analysis of the work activities to be performed. The HASP will be kept on site, reviewed daily with all on-site personnel, and made available for review during investigation activities.

SAIC will also prepare a Journey Management Plan (JMP) to help prevent losses associated with motor vehicle-related incidents, including injuries to drivers, passengers, other supplier personnel, pedestrians, and damage to motor vehicles and third-party property.

In addition, all SAIC personnel working in the field on this project will complete a Loss Prevention Observation (LPO) for every day they are on site, consistent with Chevron's Operational Excellence objectives.

While marking proposed boring locations, potential safety concerns and obstacles to the proposed scope of work will be observed and noted, such as overhead lines, marked and unmarked underground lines, and pedestrians and automobile traffic. Underground Service Alert (USA) will be notified of all proposed boring locations at least 48 hours prior to any intrusive field activities. All USA ticket alerts will be

confirmed and cleared prior to any intrusive field activities. In addition, SAIC will subcontract a private utility locator to clear the proposed boring locations for underground utilities. All fieldwork will be conducted in accordance with SAIC's standard procedures.

## **SOIL BORINGS**

Based on the soil and groundwater conditions encountered in neighboring investigations, soil borings will be advanced to a targeted depth of 25 feet bgs. Direct-push technology will be used to advance the proposed soil borings. Continuous soil cores will be collected and screened for the presence of residual petroleum visually and with a photo-ionization detector. Under the supervision of a California Professional Geologist, the soil will be logged and boring logs will be prepared in general accordance with the Unified Soil Classification System as presented in ASTM 2488-90. All soil boring locations will be surveyed for longitude, latitude, and elevation using a global positioning system.

If petroleum-affected soil is observed in a boring, a soil sample will be collected from the most visually affected interval, and a contingency step-out boring will be advanced. If petroleum-affected soil is not observed in a boring, a soil sample will be collected at a depth corresponding to where petroleum-affected soil was observed in an adjacent or neighboring boring. If petroleum-affected soil was not observed in adjacent or neighboring borings, then a soil sample will be collected just above the observed groundwater table. In addition, a minimum of one soil sample will be collected from each boring at a depth shallower than 10 feet bgs for health risk assessment purposes. This sample will be collected from either the visibly-affected soil within this interval or from a depth of 5 feet bgs if no petroleum is visible in this interval. Finally, to delineate the vertical extent of petroleum-affected soil, at least one boring in five will be advanced through the affected soil until petroleum is no longer observed in the soil core. A soil sample will be collected from beneath the affected soil to confirm the vertical extent of contamination.

A grab groundwater sample will be collected from each soil boring except where separate-phase product, including sheen, is present. In general, grab groundwater samples will be collected by placing a temporary slotted polyvinyl chloride (PVC) well casing in the borehole and collecting a sample using a disposable bailer. In addition, for areas where petroleum-affected soil has been observed, at least one grab groundwater sample will be collected from a depth below the affected soil, using a depth-discrete sampling method (e.g., Hydropunch), to evaluate the vertical extent of affected groundwater. All soil borings will be abandoned per County regulations.

The samples will be labeled, sealed, and placed immediately into an ice-cooled chest for delivery to Lancaster Laboratories, Inc. (Lancaster), of Lancaster, Pennsylvania, under SAIC chain-of-custody protocol. Lancaster is a California State-certified laboratory (ELAP #2116).

## **INVESTIGATION DERIVED WASTE**

All investigation-derived waste will be placed in Department of Transportation (DOT) approved, 55-gallon drums that will be properly labeled and stored on site pending disposal by a CEMC-approved disposal contractor. As needed, a composite soil sample of the waste will be collected and submitted to Lancaster for waste profiling.

## **PROPOSED ANALYSES**

### **SOIL SAMPLE ANALYSES**

Selected soil samples will be submitted to Lancaster and will be analyzed for the following constituents:

- Benzene, toluene, ethyl benzene, and xylenes (BTEX) using U.S. Environmental Protection Agency (EPA) Method 8260B;
- Total extractable petroleum hydrocarbons in the C<sub>10</sub>–C<sub>36</sub> crude oil range (TPHc) using EPA Method 8015M with a crude oil standard; and

- Polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270C SIM.

## **GROUNDWATER SAMPLE ANALYSES**

Selected groundwater samples will be submitted to Lancaster and will be analyzed for the following constituents:

- BTEX using EPA Method 8260B;
- TPH in the C<sub>10</sub>–C<sub>25</sub> diesel range (TPHd) using EPA Method 8015M with a diesel standard;
- PAHs using EPA Method 8270C SIM; and
- Total Dissolved Solids (TDS) using EPA Method 160.1.

In addition, groundwater samples will be analyzed for TPHd using EPA Method 8015M with a silica gel preparation if TPHd is detected.

If significant amounts of petroleum hydrocarbon are encountered in the soil or groundwater during this investigation, one soil or groundwater sample will be submitted to Chevron Energy and Technology Company (ETC) for a fingerprint analysis using gas chromatography/mass spectrometer (full-scan) to confirm that the petroleum encountered at the site consists of historic San Joaquin Valley crude oil, and to assess whether the soil or groundwater has been impacted by other petroleum products, such as bunker fuel.

To facilitate the use of groundwater analytical results in a Human Health Risk Assessment (HHRA), SAIC will request Lancaster to report BTEX and PAH results using detection limits that are lower than the EPA Region 9 Preliminary Remediation Goals (PRGs). The benzene detection limit for use in a HHRA should be less than the EPA tap water PRG of 0.34 µg/L. A detection limit of less than 0.1 micrograms per liter (µg/L) will be requested for benzene. A detection limit of <1.0 µg/L is adequate for toluene, ethylbenzene, and total xylenes. Groundwater detection limits for all PAH compounds will be requested at <0.01 µg/L except for benzo(a)pyrene and dibenzo(a,h)anthracene, which should be requested at <0.005 µg/L to ensure the grab groundwater data is adequate for use in a HHRA.

## **QUALITY ASSURANCE/QUALITY CONTROL**

This investigation will be conducted in accordance with SAIC Standard Operating Procedures, our *Quality Assurance and Quality Control Sample Collection, Handling, and Analysis Guidelines* (2005), and the CTA (Geomatrix, 2005).

One trip-blank water sample and one equipment-blank water sample will be collected and analyzed for each of the analytical methods presented above. If five or more grab groundwater samples are collected, a field duplicate groundwater sample will also be collected and analyzed.

All down-hole drilling and sampling equipment will be cleaned using a Liquinox and water solution to prevent the possibility of cross contamination between boring locations.

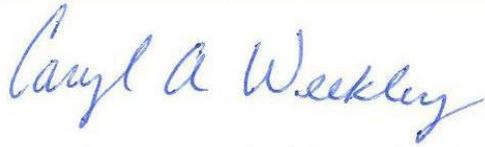
## **REPORTING AND SCHEDULE**

SAIC proposes to begin this investigation 30 days following work plan approval and after obtaining all necessary permits, bonds, and access agreements. Approximately 60 days after completion of all field activities described above and receipt of all analytical laboratory results, SAIC will submit a subsurface investigation report summarizing our methods, observations, and analytical laboratory findings. Based on these findings, we will evaluate whether potential petroleum-affected soil and groundwater has been characterized and delineated, and we will present our conclusions and recommendations for additional work if appropriate.

## CLOSING

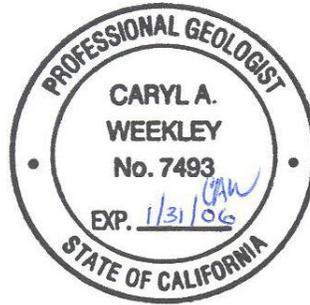
If you have any questions, comments, or wish to discuss the scope of this work plan in more detail, please call me at 916-979-3842.

Sincerely,  
*SCIENCE APPLICATIONS INTERNATIONAL CORPORATION*



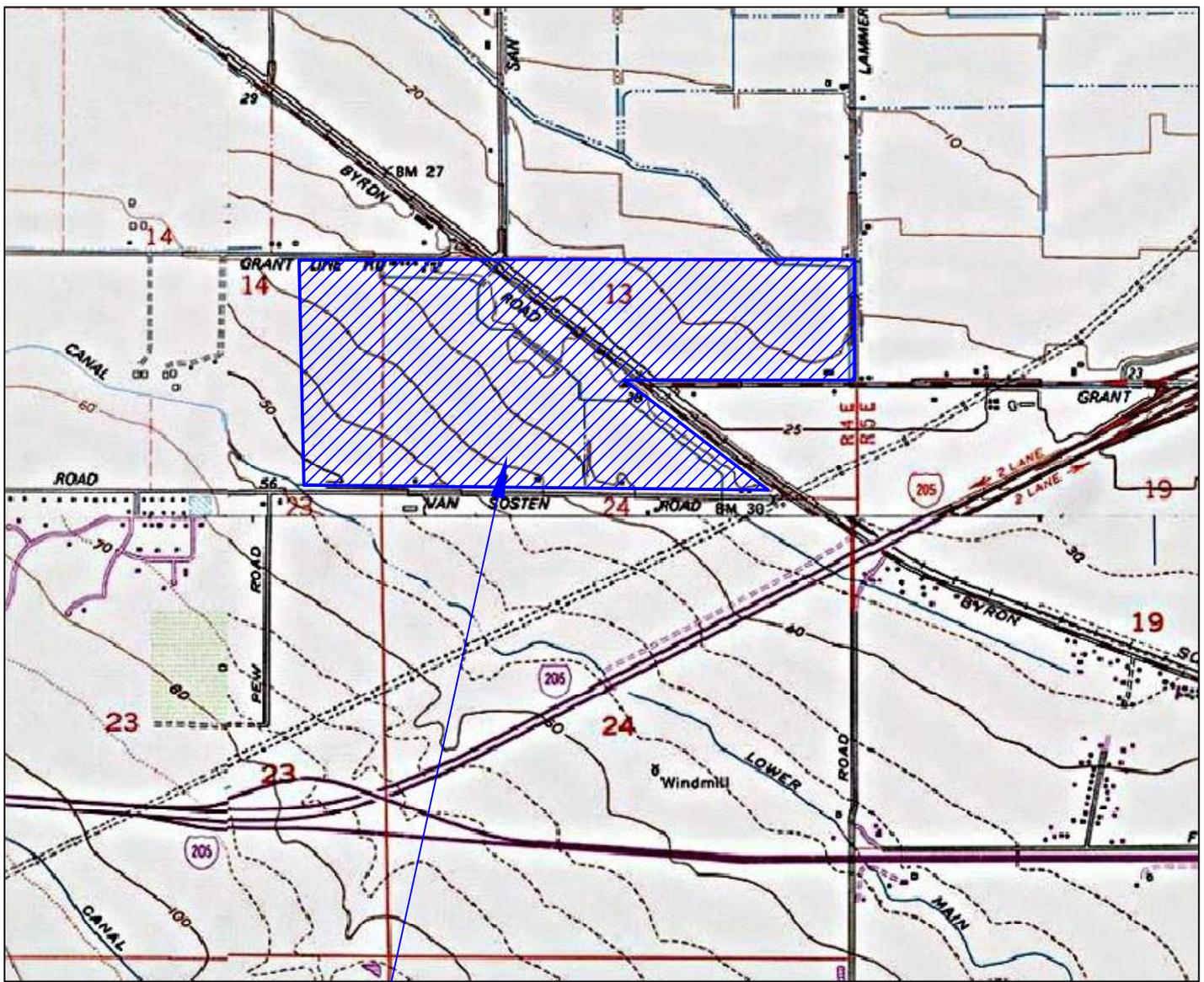
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Caryl Weekley, P.G.  
Project Manager



### Attachments:

- Figure 1: Site Vicinity Map
- Figure 2: Proposed Soil Boring Location Map

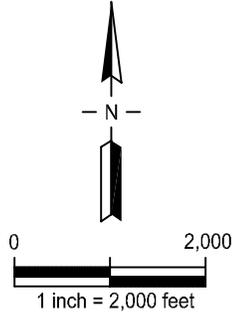


SITE LOCATION

Source: USGS Quadrangle Map 7.5 minute series Township 2 South, Range 4 East, Tracy, California



QUADRANGLE LOCATION



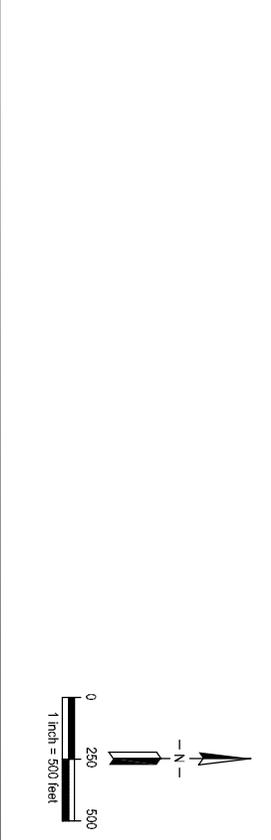
SITE VICINITY MAP

Catellus Property  
W. Byron Road and W. Grant Line Road  
Tracy, California

Drawn	EKO	Checked	Approved	Figure <b>1</b>
Date	9/12/05	Date	Date	
Job no.	06-6102-00-9570-710		File no.	



- LEGEND**
- SB-1-⊕ Approximate Location and Designation of Proposed Soil Boring
  - SB-2-⊕ Selected Soil Boring Location and Designation from the Tracy Pump Station Investigation
  - SB-1-⊕ Selected Soil Boring Location from the Tracy Byron Road Investigation
  - ⊕ Union Pacific Railroad
  - ⊕ Approximate Location of Old Valley Pipeline
  - ⊕ Approximate Location of Tidewater Associated Oil Company Pipeline
  - ⊕ Approximate Location of Kinder Morgan Pipeline
  - ⊕ Approximate Location of Bay Area Products Line
  - ⊕ Approximate Investigation Area



**PROPOSED SOIL BORING  
LOCATION MAP**

**Catellus Property**  
Tracy, California

Drawn	ECO	Checked		Date	9/7/2005	Approved		Date		Figure	2
Job no.	06-6102-00-9570-710	File no.									



STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**GILLILAND PROPERTY (T0607700393) - (MAP)**

3776 GRANT LINE RD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 2453  
**CASEWORKER:** [LORI DUNCAN](#)  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390504  
**CASEWORKER:** [JAMES BARTON](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

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[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 4/12/2002**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER  
 SUPPLY

**FILE LOCATION**

LOCAL AGENCY

Site History

No site history available

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**GILLILAND PROPERTY (T0607700393) - (MAP)**

3776 GRANT LINE RD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 2453  
**CASEWORKER:** [LORI DUNCAN](#)  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390504  
**CASEWORKER:** [JAMES BARTON](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 4/12/2002**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER  
 SUPPLY

**FILE LOCATION**

LOCAL AGENCY

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
4/12/2002	Completed - Case Closed
1/4/2002	Open - Site Assessment
5/21/1990	Open - Case Begin Date
5/21/1990	Open - Site Assessment

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**GILLILAND PROPERTY (T0607700393) - (MAP)**

3776 GRANT LINE RD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 2453  
**CASEWORKER:** [LORI DUNCAN](#)  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390504  
**CASEWORKER:** [JAMES BARTON](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

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**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 4/12/2002**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER  
 SUPPLY

**FILE LOCATION**

LOCAL AGENCY

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
4/12/2002	Completed - Case Closed
1/4/2002	Open - Site Assessment
5/21/1990	Open - Case Begin Date
5/21/1990	Open - Site Assessment

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
<b>NOTICES</b>	3/25/1997	Notice of Responsibility
<b>LEAK ACTION</b>	5/21/1990	Leak Reported
<b>LEAK ACTION</b>	5/21/1990	Leak Discovery

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STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**J.B. TERMINAL (T0607700061) - (MAP)**

6700 GRANT LINE RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (*LEAD*) - CASE #: 1410  
*CASEWORKER: HARLIN KNOLL*  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390087  
*CASEWORKER: JAMES BARTON*  
**CUF Claim #:** 378  
**CUF Priority Assigned:** C  
**CUF Amount Paid:** \$54,603

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)   [LUST Fund Data](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS - [DEFINITIONS](#)**

**COMPLETED - CASE CLOSED AS OF 9/19/1995**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER SUPPLY

**FILE LOCATION**

Site History

No site history available

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**J.B. TERMINAL (T0607700061) - (MAP)**

6700 GRANT LINE RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**

SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 1410

**CASEWORKER:** [HARLIN KNOLL](#)

CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390087

**CASEWORKER:** [JAMES BARTON](#)

**CUF Claim #:**

378

**CUF Priority Assigned:**

C

**CUF Amount Paid:**

\$54,603

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[Site Maps / Documents](#)   [Community Involvement](#)   [LUST Fund Data](#)

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**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 9/19/1995**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER  
 SUPPLY

**FILE LOCATION**

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
9/19/1995	Completed - Case Closed
3/16/1988	Open - Remediation
3/16/1988	Open - Case Begin Date

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**J.B. TERMINAL (T0607700061) - (MAP)**

6700 GRANT LINE RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**

SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 1410

**CASEWORKER:** [HARLIN KNOLL](#)

CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390087

**CASEWORKER:** [JAMES BARTON](#)

**CUF Claim #:**

378

**CUF Priority Assigned:**

C

**CUF Amount Paid:**

\$54,603

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[Site Maps / Documents](#)   [Community Involvement](#)   [LUST Fund Data](#)

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**COMPLETED - CASE CLOSED AS OF 9/19/1995**

**POTENTIAL CONTAMINANTS OF CONCERN**

GASOLINE

**POTENTIAL MEDIA AFFECTED**

AQUIFER USED FOR DRINKING WATER  
 SUPPLY

**FILE LOCATION**

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
9/19/1995	Completed - Case Closed
3/16/1988	Open - Remediation
3/16/1988	Open - Case Begin Date

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	3/16/1988	Leak Reported
LEAK ACTION	3/16/1988	Leak Discovery

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**WAL MART STORE #2025 (T0607700904) - (MAP)**

3010 GRANT LINE RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 0000702  
**CASEWORKER:** [MARGARET LAGORIO](#)  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 391089  
**CASEWORKER:** [JAMES BARTON](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 4/30/2001**

**POTENTIAL CONTAMINANTS OF CONCERN**

WASTE OIL / MOTOR / HYDRAULIC /  
 LUBRICATING

**POTENTIAL MEDIA AFFECTED**

UNDER INVESTIGATION

**FILE LOCATION**

Site History

No site history available

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**WAL MART STORE #2025 (T0607700904) - (MAP)**

3010 GRANT LINE RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**

SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 0000702

**CASEWORKER:** [MARGARET LAGORIO](#)

CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 391089

**CASEWORKER:** [JAMES BARTON](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

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[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 4/30/2001**

**POTENTIAL CONTAMINANTS OF CONCERN**

WASTE OIL / MOTOR / HYDRAULIC /  
 LUBRICATING

**POTENTIAL MEDIA AFFECTED**

UNDER INVESTIGATION

**FILE LOCATION**

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
4/30/2001	Completed - Case Closed
12/16/1999	Open - Site Assessment
12/16/1999	Open - Case Begin Date

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**WAL MART STORE #2025 (T0607700904) - (MAP)**

3010 GRANT LINE RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**

SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 0000702

**CASEWORKER:** [MARGARET LAGORIO](#)

CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 391089

**CASEWORKER:** [JAMES BARTON](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

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**COMPLETED - CASE CLOSED AS OF 4/30/2001**

**POTENTIAL CONTAMINANTS OF CONCERN**

WASTE OIL / MOTOR / HYDRAULIC /  
 LUBRICATING

**POTENTIAL MEDIA AFFECTED**

UNDER INVESTIGATION

**FILE LOCATION**

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
4/30/2001	Completed - Case Closed
12/16/1999	Open - Site Assessment
12/16/1999	Open - Case Begin Date

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
LEAK ACTION	12/17/1999	Leak Reported
LEAK ACTION	12/16/1999	Leak Discovery

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CALDRON GENERAL STORE (T0607700530) - (MAP)**

12750 BYRON RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 1531  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390683  
**CASEWORKER:** [JAMES BARTON](#)

**CUF Claim #:** 7125  
**CUF Priority Assigned:** B  
**CUF Amount Paid:** \$20,402

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)   [LUST Fund Data](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 6/8/1995**

**POTENTIAL CONTAMINANTS OF CONCERN**

OTHER SOLVENT OR NON-PETROLEUM  
 HYDROCARBON

**POTENTIAL MEDIA AFFECTED**

SOIL

**FILE LOCATION**

Site History

No site history available

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CALDRON GENERAL STORE (T0607700530) - (MAP)**

12750 BYRON RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 1531  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390683  
**CASEWORKER:** [JAMES BARTON](#)

**CUF Claim #:** 7125  
**CUF Priority Assigned:** B  
**CUF Amount Paid:** \$20,402

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)   [LUST Fund Data](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 6/8/1995**

**POTENTIAL CONTAMINANTS OF CONCERN**

OTHER SOLVENT OR NON-PETROLEUM  
 HYDROCARBON

**POTENTIAL MEDIA AFFECTED**

SOIL

**FILE LOCATION**

Site History

No site history available

Cleanup Status History

<u>DATE</u>	<u>STATUS</u>
6/8/1995	Completed - Case Closed
12/11/1991	Open - Case Begin Date

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CALDRON GENERAL STORE (T0607700530) - (MAP)**

12750 BYRON RD W  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 LUST CLEANUP SITE

**CLEANUP OVERSIGHT AGENCIES**  
 SAN JOAQUIN COUNTY LOP (**LEAD**) - CASE #: 1531  
 CENTRAL VALLEY RWQCB (REGION 5S) - CASE #: 390683  
**CASEWORKER:** [JAMES BARTON](#)

**CUF Claim #:** 7125  
**CUF Priority Assigned:** B  
**CUF Amount Paid:** \$20,402

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)   [LUST Fund Data](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS** - [DEFINITIONS](#)

**COMPLETED - CASE CLOSED AS OF 6/8/1995**

**POTENTIAL CONTAMINANTS OF CONCERN**

OTHER SOLVENT OR NON-PETROLEUM  
 HYDROCARBON

**POTENTIAL MEDIA AFFECTED**

SOIL

**FILE LOCATION**

Site History

No site history available

Cleanup Status History

DATE	STATUS
6/8/1995	Completed - Case Closed
12/11/1991	Open - Case Begin Date

Regulatory Activities

ACTION TYPE	ACTION DATE	ACTION
LEAK ACTION	12/11/1991	Leak Reported

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON, BYRON ROAD, TRACY (SL0607749525) - (MAP)**

BYRON RD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
 CENTRAL VALLEY RWQCB (REGION 5F) (LEAD) - CASE #: 2050128  
 CASEWORKER: [C DEAN HUBBARD](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

**CLEANUP STATUS - [DEFINITIONS](#)**

**OPEN - SITE ASSESSMENT AS OF 3/1/2003**

**POTENTIAL CONTAMINANTS OF CONCERN**

PETROLEUM/FUELS/OILS, HEATING OIL /  
 FUEL OIL

**POTENTIAL MEDIA AFFECTED**

OTHER GROUNDWATER (USES OTHER  
 THAN DRINKING WATER), SOIL

**FILE LOCATION**

REGIONAL BOARD

Site History

The Site is located along a 7,000 foot corridor along West Byron Road in Tracy, from the I-205 Overpass to Corral Hollow, on approximately 16 acres. The Site includes rights of way (ROWs) associated with the former Standard Oil of California Wait-Mendota-Richmond pipeline (OVP) and the TAOC pipelines. The OVP traversed the Site immediately south and west of West Byron Road. The OVP was installed between 1902 and 1904 as a heated crude oil line. The pipeline was active until the late 1960s and was abandoned in place in 1970.

The former TAOC pipelines ROW traversed the Site immediately north and east of West Byron Road in the Union Pacific Railroad ROW. The TAOC pipeline system was constructed in 1907 and transmitted heated crude oil from Bakersfield to the Bay Area. The pipelines were abandoned in the 1970s.

There is still one pipeline, the Kinder Morgan Energy Partners Pipeline, that is active in the ROW. It transports gasoline, jet fuel and diesel.

During construction in the area petroleum hydrocarbons were found in 2002. During additional construction for road widening in 2007 additional hydrocarbons were found.

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON, BYRON ROAD, TRACY (SL0607749525) - (MAP)**

BYRON RD  
 TRACY, CA 95376  
 SAN JOAQUIN COUNTY  
 CLEANUP PROGRAM SITE

**CLEANUP OVERSIGHT AGENCIES**  
 CENTRAL VALLEY RWQCB (REGION 5F) (**LEAD**) - CASE #: 2050128  
**CASEWORKER:** [C DEAN HUBBARD](#)

[Summary](#)   [Cleanup Status History](#)   [Regulatory Activities](#)   [Environmental Data \(ESI\)](#)

[Site Maps / Documents](#)   [Community Involvement](#)

Regulatory Profile

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Cleanup Status History

DATE	STATUS
3/1/2003	Open - Site Assessment
4/1/2000	Open - Case Begin Date


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STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER**

**CHEVRON, BYRON ROAD, TRACY (SL0607749525) - (MAP)**

BYRON RD  
 TRACY, CA 95376  
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OTHER GROUNDWATER (USES OTHER  
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3/1/2003	Open - Site Assessment
4/1/2000	Open - Case Begin Date

Regulatory Activities

<u>ACTION TYPE</u>	<u>ACTION DATE</u>	<u>ACTION</u>
--------------------	--------------------	---------------

<a href="#">[VIEW DOCS]</a>	<i>OTHER REGULATORY ACTIONS</i>	12/15/2009	Technical Correspondence / Assistance / Other
<a href="#">[VIEW DOCS]</a>	<i>OTHER REGULATORY ACTIONS</i>	7/8/2008	Technical Correspondence / Assistance / Other
	<i>CLEANUP ACTION</i>	5/1/2003	Pump and Treat Groundwater
	<i>CLEANUP ACTION</i>	3/1/2003	Excavate and Dispose
	<i>LEAK ACTION</i>	4/1/2000	Leak Reported
	<i>ENFORCEMENT - OTHER</i>		Unknown

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Please notify Central Valley Water Board staff at least 48 hours prior to initiating field investigation activities.

If you have any questions regarding the matters discussed above, please call Dean Hubbard at (559) 445-5179.

  
SHELTON R. GRAY  
Senior Engineering Geologist

  
C. DEAN HUBBARD  
Engineering Geologist  
P.G. No. 6357

cc: Mike Infurna, San Joaquin County EHS, Stockton  
Bill Courtney, Marion William Co., Castro Valley, CA  
Justin O'Connor, Tracy  
David Ormonde, Tradko Valley Associates LP, Tracy  
Michael Jenkins, SAIC, Sacramento  
Michael Hurd, SAIC, Oakland

APPROVED  
  
Supervising Engineer



Linda S. Adams  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board Central Valley Region

Karl E. Longley, ScD, PE, Chair



Arnold  
Schwarzenegger  
Governor

Fresno Branch Office  
1685 E Street, Fresno, California 93706  
(559) 445-5116 • Fax (559) 445-5910  
<http://www.waterboards.ca.gov/centralvalley>

FILE

8 July 2008

M. Scott Mansholt  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road  
BR1Y3432  
San Ramon, CA 94583

## REVIEW - SOIL AND GROUNDWATER INVESTIGATION REPORT, TRACY BYRON ROAD PROJECT, TRACY, SAN JOAQUIN COUNTY

Regional Water Board staff has reviewed the referenced report, dated 21 May 2008, prepared for Chevron Environmental Management Company (Chevron) by Science Applications International Corporation (SAIC). Additionally, we reviewed previous soil and groundwater investigation reports conducted by SAIC and others from 1996 to 2004 for predecessors of Chevron. Detailed comments are provided in the attached memorandum and summarized below.

SAIC's report summarized and concluded the following:

- Soil and groundwater has been adequately delineated at the five boring locations and additional characterization was not needed.
- Step-out borings SB-42, 43, and 45 (originally approved by our September 2004 response to the workplan) should be relocated.
- Historical information for the Calderon Store property indicates that the boring proposed for this property was not needed.

Regional Water Board staff concur that the borings and analytical results have delineated the upgradient extent of affected groundwater. We also concur with the recommendation to relocate the three proposed borings, and that the boring on the Calderon Store property is not needed.

The workplan was previously approved for the three remaining borings. Please continue to provide updates regarding access to the remaining properties, including the schedule to complete the final report. As soon as permission to enter those properties is granted, the field investigation should be concluded.

Provide at least 48 hours notification to Regional Water Board staff prior to implementing the field activities.

If you have any questions or comments, please contact Dean Hubbard at (559) 445-5179.

  
SHELTON R. GRAY  
Senior Engineering Geologist

  
C. DEAN HUBBARD  
Engineering Geologist  
P.G. No. 6357

cc: Michael Infurna, Jr., San Joaquin County EHD, Stockton  
Mike Jenkins, SAIC, Sacramento

Enclosure(s)

CDH/R/OVP/ByronRd/cvrltrJuly08





California Regional Water Quality Control Board  
Central Valley Region

Karl E. Longley, ScD, PE, Chair



Arnold Schwarzenegger  
Governor

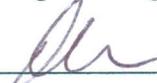
Linda S. Adams  
Secretary for  
Environmental  
Protection

Fresno Branch Office  
1685 E Street, Fresno, California 93706  
(559) 445-5116 • Fax (559) 445-5910  
<http://www.waterboards.ca.gov/centralvalley>

TO: Shelton R. Gray  
Senior Engineering Geologist

FROM: C. Dean Hubbard  
Engineering Geologist

DATE: 8 July 2008

SIGNATURE: 

SUBJECT: **REVIEW - TRACY BYRON ROAD PROJECT, TRACY, SAN JOAQUIN CO.**

I have reviewed the 21 May 2008 *Soil Investigation and Groundwater Investigation Report, Tracy Byron Road Project, Tracy, San Joaquin County*. The report was prepared for Chevron Environmental Management Company (Chevron) by Science Applications International Corporation (SAIC).

The purpose of the investigation was to evaluate the extent of soil and groundwater impacts caused by crude oil leaks from the historical Old Valley Pipeline (OVP) and/or the former Tidewater Associated Oil Company (TAOC) pipelines. The OVP/TAOC pipelines, previously operated by predecessors of Chevron and/or Texaco (now Chevron), transferred heated crude oil from Kern County oil fields to San Francisco Bay area refineries during the early 1900s to the mid-1960s. Portions of the lines reportedly were removed in the 1970's.

The OVP lies along the south side of the Byron Road right-of-way (ROW) easement. The TAOC lines are north of Byron Road, and the Union Pacific Railroad (UPRR) tracks are located between Byron Road and the TAOC lines. Overall, the combined width of the UPRR, Byron Road, and pipelines' ROW easements, varies between 200 and 240 feet. However, the area of investigation extends beyond the easements.

The active Kinder Morgan Energy Partners, L.P. refined petroleum product pipeline is present within the UPRR ROW easement. The Kinder Morgan line(s) transports gasoline, jet A fuel and/or diesel fuel.

**BACKGROUND**

Areas of impacted soil/groundwater were identified in 2003 during the excavation and dewatering well installation associated with construction of the City of Tracy storm drain beneath Byron Road. According to the previous reports, residual petroleum hydrocarbons, identified in the dewatering wells are present in soil and groundwater from approximately 5 feet to 20 feet below the surface. Minor quantities of free-phase crude oil were observed in soil at a few locations, generally at depths of less than 12 feet. Depth to first encountered groundwater is approximately 12 to 13 feet. The regional gradient is north to northwest as determined at adjacent OVP/TAOC projects in the Tracy area.

The approximately 200-foot wide by 7,000-foot long City of Tracy storm drain project, completed in 2003, is located within a residential area of west Tracy, and extends from Corral Hollow Road on the east to Van Sosten Road on the west. The Catellus OVP/TAOC project, currently being characterized by Chevron, is adjacent to the west end of the project. Adjoining properties are developed with private residences, small commercial businesses, and/or agricultural parcels/residencies. Consequently, access to certain properties was time consuming and in some cases, not achieved. Some proposed boring locations had to be relocated to parcels or roadways where access could be obtained to accommodate the investigation schedule. Interstate Freeway 205 (I-205) crosses Byron Road near the west end of the project.

The focus of the investigation was to further delineate affected soil and/or groundwater upgradient (south) of Byron Road and the former OVP/TAOC pipelines. Based on the findings of the storm drain project and subsequent investigation, we recommended an additional 8 to 10 borings be advanced upgradient of the areas of crude oil impacted soil/groundwater. Due to the difficulty of property access, only five of nine previously approved borings were completed.

According to historical documents, soil and groundwater investigations were conducted on adjacent downgradient properties to the north. With the exception of the Surland Homes, between 1996 and 2002, No Further Action (NFA) determinations for the properties were approved by the San Joaquin County Environmental Health Department (SJCEHD) or the Sacramento office of the Regional Water Quality Control Board (RWQCB). The Surland Homes residential property is currently being addressed by Chevron. Additionally, part of the upgradient sites to the south, were issued NFA closures by the SJCEHD in 1996 and 1997. The recent and current investigations addressed areas where delineation was incomplete. Reports of the earlier investigations and response letters to Chevron are contained in the Regional Water Board project files.

## **CURRENT INVESTIGATION**

During March 2007, SAIC completed soil borings SB-37 through 41. Soil and groundwater samples were collected and submitted for analysis of the petroleum hydrocarbon constituents of concern. The investigative findings addressed data gaps identified by the earlier characterization studies.

### Soil

Five soil borings, advanced to depths of 24 to 32 feet, were completed along the south side of Byron Road at the west end near I-205. Total petroleum hydrocarbon (TPH) affected soil was not observed. TPH as crude oil (TPHc), benzene, toluene, ethylbenzene, and xylenes (BTEX) was reported non-detect (ND) for all samples collected at depths of 5 to 24 feet. In addition, polynuclear aromatic hydrocarbons (PAHs) constituents were ND at their respective method detection limits (MDLs).

Based on review of the current and historical findings, the majority of TPH impacted soil occurs between depths of 4 and 20 feet. The vertical extent of impacted soil was previously delineated between depths of 24 to 36 feet, where TPHc concentrations ranging from ND to less than 100 milligrams per kilogram (mg/kg) were reported.

### Groundwater

Groundwater grab samples were obtained from each soil boring and submitted for analysis. Concentrations of TPH as diesel (TPHd) were reported in groundwater at 100, 140, 160, 330, and 330 micrograms per liter ( $\mu\text{g/L}$ ), respectively in borings SB-37 to 41. BTEX compounds were ND; with one exception, PAHs were ND; sample SB-39 reported a concentration of 0.40  $\mu\text{g/L}$  benzo(g,h,i)perylene, which exceeds the Environmental Screening Level (ESL) of 0.13  $\mu\text{g/L}$ . The ESLs are described in: *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final 2007 (San Francisco Bay RWQCB, November). The vertical extent of impacted groundwater was defined at a depth of approximately 27 feet by earlier borings and groundwater sample results.

Two samples were submitted for total dissolved solids (TDS) and one for general minerals analysis. TDS values were 1,980 and 2,180 mg/L; general minerals analysis of chloride, sodium, boron, sulfate, and manganese exceeded respective Water Quality Objectives (WQOs) described in the Central Valley RWQCB -*Water Quality Control Plan for the Sacramento River Basin and the San Joaquin River Basin*, 4<sup>th</sup> ed., revised August 2006 (*Basin Plan*). According to the Basin Plan, an aquifer is considered a potential drinking water source provided: a) TDS in groundwater is less than 3,000 mg/L; and b) groundwater yield is greater than 200 gallons per day. The reported TDS values exceed the U.S. Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (MCL) for TDS (500 mg/L), which is based on aesthetic (taste and odor) and technical (staining and corrosion) characteristics (U.S. EPA, 2008).

The City of Tracy Municipal Code, for administrative reasons unrelated to petroleum impacts, prohibits the use of shallow groundwater wells for domestic or municipal use. Domestic and municipal water services are provided by the City of Tracy.

### SAIC Recommendations

Based on the recent findings, SAIC recommended the following:

- Soil and groundwater has been adequately delineated at those areas investigated by the five soil borings and that additional characterization was not needed.
- Step-out borings SB-42, 43, and 45 (originally approved by the 2004 workplan) should be relocated to nearby properties.
- The boring proposed on the Calderon Store property was not needed since TPHc compounds were not identified in borings advanced during an earlier underground tank removal investigation at that location.

## CONCLUSIONS

I concur that the results for the recent borings and corresponding analytical results coupled with the earlier findings, have adequately delineated the upgradient extent of affected groundwater at those locations.

I also concur with SAIC's recommendation for the relocation of the three referenced borings and that the boring proposed at the Calderon Store property is not needed.



**M. Scott Mansholt**  
Sr. Environmental  
Project Management  
Specialist

**Chevron Environmental  
Management Company**  
6111 Bollinger Canyon Road  
BR1Y/3432  
San Ramon, CA 94583  
Tel (925) 543-2353  
Fax (925) 543-2323  
scott.mansholt@chevron.com

November 30, 2009

Mr. C. Dean Hubbard  
California Regional Water Quality Control Board  
Central Valley Region  
1685 E. Street  
Fresno, California 93706-2020

*Subject:* **Soil and Groundwater Investigation Work Plan Addendum  
Tracy Byron Road**  
Tracy, San Joaquin County, California

Dear Mr. Hubbard:

Enclosed is the subject document prepared by Science Applications International Corporation (SAIC) on behalf of Chevron Environmental Management Company for your review.

If you have any questions or require additional information, please call either Lee Higgins at (925) 543-2365 or me at (925) 543-2353.

Sincerely,

A handwritten signature in black ink that reads "M. Scott Mansholt".

M. Scott Mansholt

MSM/klg

Enclosure:

SAIC, 2009, Soil and Groundwater Investigation Work Plan Addendum, Tracy Byron Road Site, Tracy, San Joaquin County, California. November.

cc: Mr. Mike Jenkins–SAIC  
3800 Watt Avenue, Suite 210, Sacramento, California 95821  
Mr. Mike Infurna–SJCPHS  
600 E. Main Street, Stockton, California 95202  
Mr. Bill Courtney – Marion William Company LLC  
20632 Redwood Road, Suite B, Castro Valley, California 94546  
Mr. Justin O’Connor  
2710 W Byron Road, Tracy, California 95377  
Mr. David Ormonde – Tradko Valley Associates LP  
P.O. Box 565, Tracy, California 95378



November 30, 2009

Mr. M. Scott Mansholt  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road  
San Ramon, California 94583

**Subject: Soil and Groundwater Investigation Work Plan Addendum  
Tracy Byron Road  
Tracy, San Joaquin County, California**

Dear Mr. Mansholt,

At the request of Chevron Environmental Management Company (CEMC), Science Applications International Corporation (SAIC) prepared this addendum to the July 2004 additional soil and groundwater investigation (SGI) work plan (work plan)<sup>1</sup> at the Tracy Byron Road site (Figure 1). The investigation will be completed in accordance with the 2004 work plan. The Central Valley Regional Water Quality Control Board (RWQCB) accepted the work plan on September 29, 2004 (see Attachment A)<sup>2</sup>; since then significant new methods have been developed for soil SGIs on Chevron's Historical Pipeline Portfolio – Bakersfield to Richmond (HPP-BTR). One boring location has been eliminated from the original proposed work, and three boring locations have been moved. This letter communicates the proposed changes that will be implemented during the investigation.

### **PREVIOUS ENVIRONMENTAL ACTIVITIES**

SAIC updated and submitted a revised work plan to the RWQCB in February 2007<sup>3</sup> after new methods were developed for Chevron's HPP investigations (e.g., collecting groundwater samples using pre-packed well screens and testing for General Minerals). Investigation startup was deferred until access was gained to five of the nine proposed borings in March 2007. An SGI was performed to define the extent of affected soil and groundwater at the site at boring locations SB-37 through SB-41 (see Figure 2), and an investigation report was submitted to the RWQCB

- 
1. SAIC, 2004. *Work Plan and Time Schedule for Additional Soil and Groundwater Investigation, Tracy Byron Road Project, Tracy, California*. July 13.
  2. RWQCB, 2004. Review of Additional Soil and Groundwater Workplan, Tracy, San Joaquin County. September 29.
  3. SAIC, 2007. *Work Plan Addendum–Soil and Groundwater Investigation, Tracy Byron Road Site, Tracy, San Joaquin County, California*. February.

in May 2008<sup>4</sup>. The RWQCB reviewed the results of previous investigations and the recommendations presented in the May 2008 report, and concurred that additional lateral delineation of affected soil and groundwater was necessary to the south (see Attachment A)<sup>5</sup>. The RWQCB also concurred that the up-gradient extent of soil and groundwater was defined during a site investigation on the Calderon's General Store property (Geological Audit Services, 1995)<sup>6</sup>; therefore, proposed step-out boring SB-44 located on this property was not necessary and has been removed from the scope of work.

### PROPOSED BORING OBJECTIVES

Investigation startup was deferred for the remaining borings because site access to the majority of the planned boring locations could not be obtained. However, with the recent signing of access agreements to adjacent properties, SAIC will advance the remaining three proposed borings at alternate locations on properties that have granted access. The proposed boring locations are shown on Figure 3. Samples will be analyzed for the constituents of potential concern (COPCs) as originally proposed in the 2004 work plan. Analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), and polynuclear aromatic hydrocarbons (PAHs) in groundwater will be performed using the methods described in the 2007 work plan. Boring objectives are outlined as follows:

- To fully delineate the extent of affected soil and groundwater to the south and up gradient of SB-19, proposed boring SB-42 will be moved to and advanced on Assessor's Parcel Number (APN) 238-050-01 (Figure 3).
- To fully delineate the extent of affected soil and groundwater to the south and up gradient of SB-23, proposed boring SB-43 will be advanced on APN 238-050-09 (Figure 3).
- To fully delineate the extent of affected soil and groundwater to the southeast and up gradient of SB-33, proposed boring SB-45 will be moved to and advanced on APN 238-050-22 (Figure 3).

In accordance with Chevron's Consistent Technical Approach,<sup>7</sup> should SAIC encounter affected soils, or observe a sheen and/or separate-phase oil (SPO) in groundwater in a boring, additional contingency step-out borings will be advanced as part of the same field investigation effort to the extent allowed by site access agreements. Note that step-out borings are not shown on Figure 3, as their actual locations will depend on field conditions.

### SAMPLE COLLECTION

If SPO and/or sheen are observed, a soil and/or groundwater sample(s) will be collected for fuel fingerprinting. The sample(s) will be submitted to Chevron Energy Technology Company for fuel-fingerprint analysis using gas chromatography/mass spectrometry. If no affected soil or groundwater is found, then no fuel-fingerprint sample will be collected.

---

4. SAIC, 2008. *Soil and Groundwater Investigation Report, Tracy Byron Road Project, Tracy, San Joaquin County, California*. May.

5. RWQCB, 2008. Review-Soil and Groundwater Investigation Report, Tracy Byron Road Project, Tracy, California. July 8.

6. Geological Audit Services, 1995. *Site Summary Report, Calderon's General Store, 12750 West Byron, Road, Tracy, California*. March.

7. Geomatrix Consultants, Inc. 2005. *Technical Approach to Site Evaluation and Decision Making, Historical Pipeline Portfolio, Central Valley Region*. February.

To evaluate the suitability of the uppermost groundwater for drinking water use, one sample will include analysis for the General Minerals as described in SAIC's 2007 revised work plan. The analytical results may be evaluated in combination with any available data from nearby HPP-BTR sites such as the Catellus Property, Dividend properties, Dobler Property, and/or Filios/Mansfield Property.

### SOIL BORING ABANDONMENT

All soil borings will be sealed and abandoned in accordance with San Joaquin County Environmental Health Department requirements. Following the abandonment of borings, SAIC will record the latitude and longitude relative to the state plane coordinate system using a Global Positioning System. These data will be used to place the borings on a geo-referenced base map.

### REPORTING AND SCHEDULE

SAIC anticipates beginning the investigation within 30 days following procurement of all necessary permits, bonds, and access agreements. On completion of field activities and receipt of all final analytical results, SAIC will report the findings of the investigation and make recommendations regarding future assessment activities. The report will be submitted to the RWQCB within 90 days after receipt of all final laboratory reports.

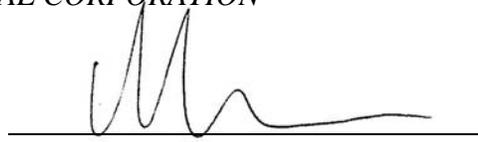
If you have questions or comments, please call Mohamed Ibrahim at (916) 979-3828.

Sincerely

*SCIENCE APPLICATIONS INTERNATIONAL CORPORATION*



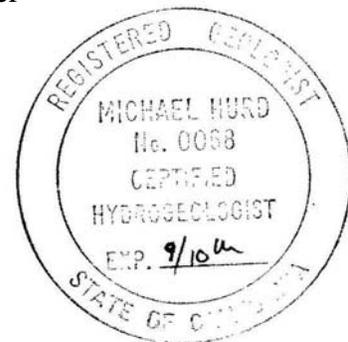
Mohamed Ibrahim  
Environmental Project Manager

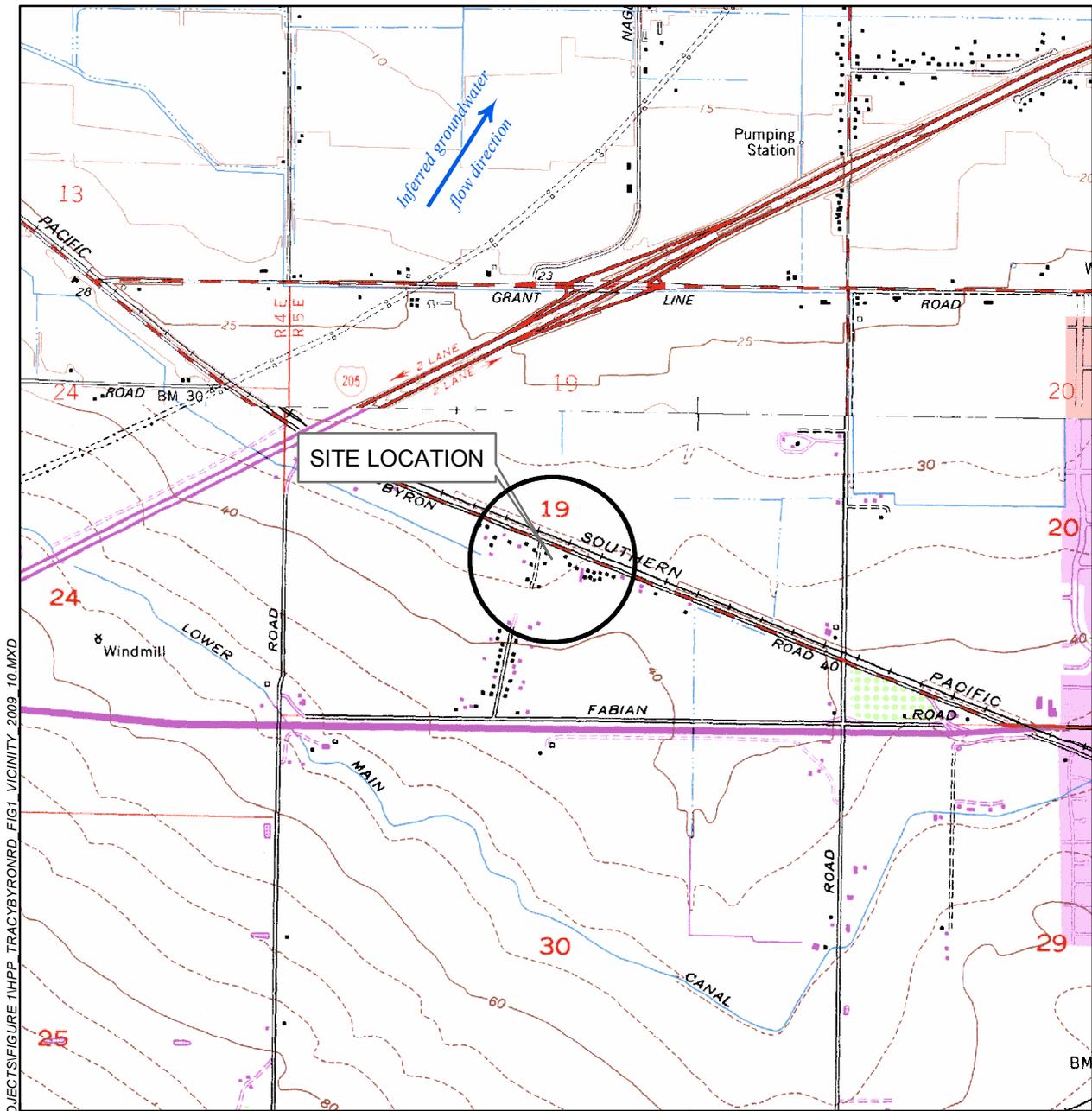


Michael Hurd, CHG 0068  
Senior Project Manager

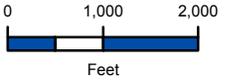
Enclosures:

- Figure 1. Vicinity Map
- Figure 2. Site Map
- Figure 3. Proposed Boring Location Map
- Table 1. Proposed Boring Objectives
- Attachment A: Regulatory Correspondence





FILE: \ISAC\GIS\CAD\HPP\BTR\TRACYBYRONROAD\PROJECTS\FIGURE 1\HPP\_TRACYBYRONRD.FIG1\_VICINITY\_2009\_10.MXD

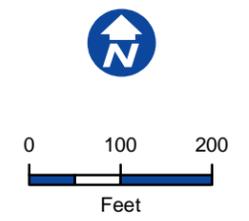
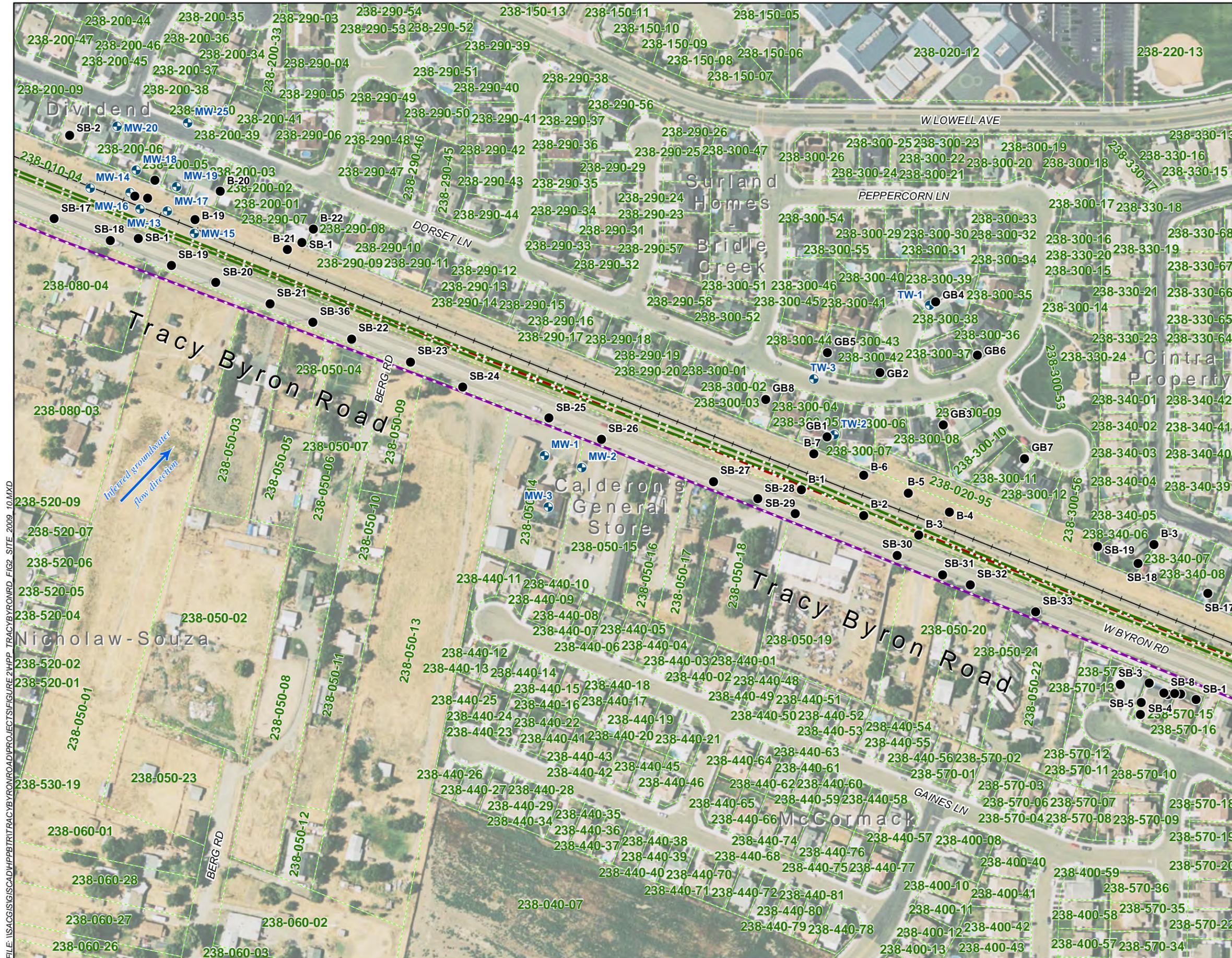


Source: USGS 7.5 Minute Quadrangle, TRACY, 1982, California (T.02S.R.05E)  
Groundwater flow direction inferred from California Department of Water Resources data.



CALIFORNIA LOCATION MAP

<b>VICINITY MAP</b>		
TRACY BYRON ROAD Tracy, California		
DATE: 10/8/2009	ANALYST: MOORECYN	FIGURE:
		<b>1</b>



- Soil Boring Location
- ⊕ Monitoring Well Location
- Historical Old Valley Pipeline
- Historical Tidewater Associated Oil Company Pipeline
- - - Kinder Morgan Pipeline (location inferred)
- Railroad
- San Joaquin County Assessor's Parcel

Map is a relative representation of current and historical data and should be verified for exact legal or underground work.  
Groundwater flow direction inferred from California Department of Water Resources data.

**SITE MAP**

**TRACY BYRON ROAD**  
Tracy, California

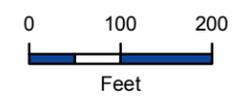
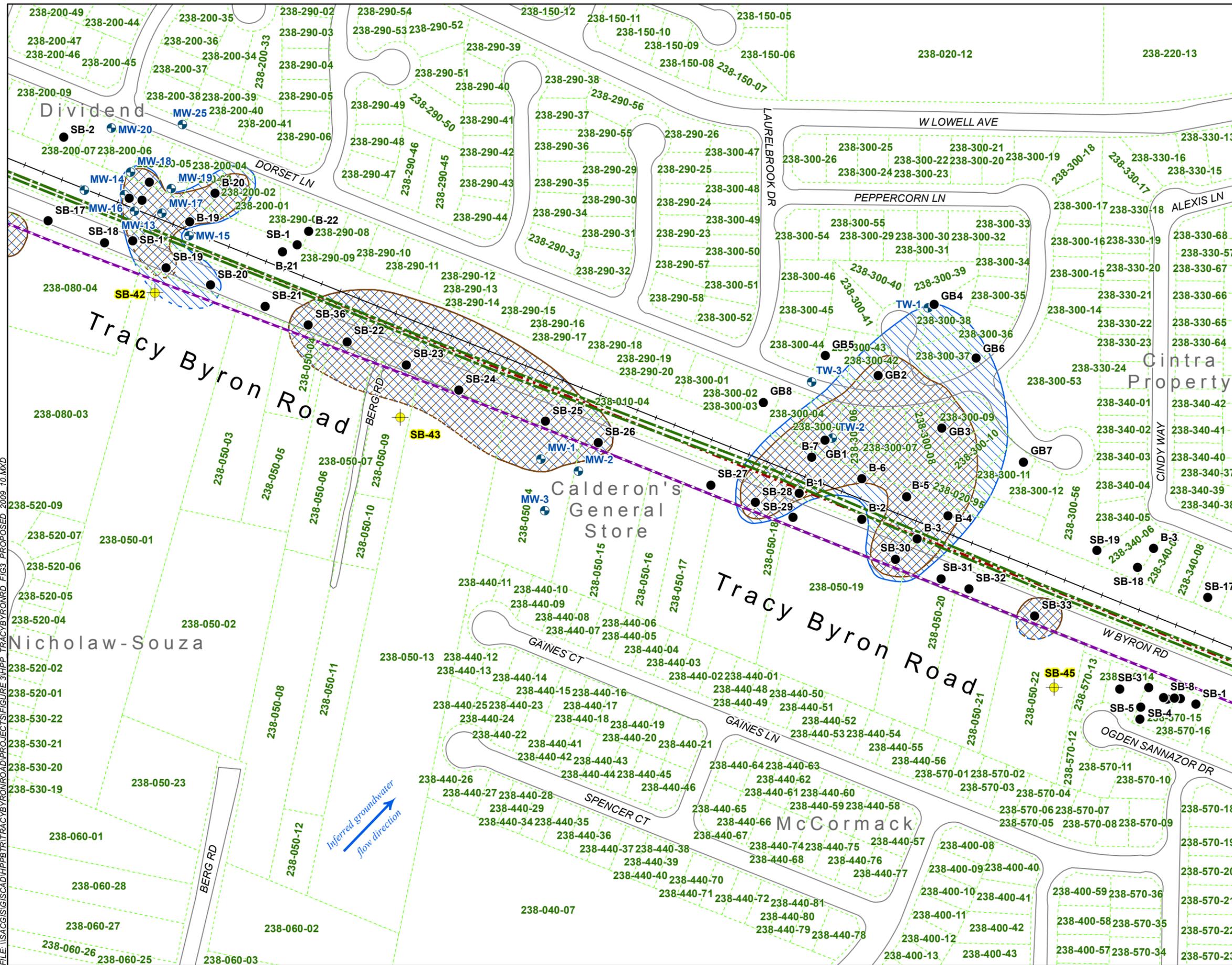
DATE: 11/20/2009 ANALYST: MOORECYN FIGURE:



**2**

FILE: I:\SAC\GIS\CAD\HPP\TRACY\BYRONROAD\PROJECTS\FIGURE 2\HPP TRACYBYRONRD.FIG2 SITE 2009 10.MXD

FILE: \\SAC\GIS\CAD\HPP\BTR\TRACYBYRONROAD\PROJECTS\FIGURE 3\HPP TRACYBYRONRD.FIG3 PROPOSED 2009 10.MXD



- Proposed Boring Location
- Soil Boring Location
- Monitoring Well Location
- Historical Old Valley Pipeline
- Historical Tidewater Associated Oil Company Pipeline
- Kinder Morgan Pipeline (location inferred)
- Railroad
- San Joaquin County Assessor's Parcel
- Lateral extent of groundwater affected by hydrocarbons, where petroleum constituents exceed WQOs and/or ESLs. Outline dashed where inferred.
- Lateral extent of soil affected by hydrocarbons, where petroleum constituents exceed RSLs and/or ESLs. Outline dashed where inferred.

RSL = U.S. EPA Regional Screening Level  
 ESL = San Francisco Bay RWQCB Environmental Screening Level  
 WQO = Central Valley RWQCB Water Quality Objective  
 U.S. EPA = U.S. Environmental Protection Agency  
 RWQCB = Regional Water Quality Control Board

Map is a relative representation of current and historical data and should be verified for exact legal or underground work.  
 Groundwater flow direction inferred from California Department of Water Resources data.

### PROPOSED BORING LOCATION MAP

TRACY BYRON ROAD  
 Tracy, California

DATE: 11/23/2009 ANALYST: MOORECYN FIGURE:



3

**TABLE 1**  
**PROPOSED BORING OBJECTIVES**  
**TRACY BYRON ROAD**  
**Tracy, San Joaquin County, California**

<b>Boring ID</b>	<b>Area of Investigation/Purpose</b>	<b>Sample Media</b>	<b>Target Sample<sup>1</sup> (feet bgs)</b>	<b>Proposed Depth<sup>2</sup> (feet bgs)</b>	<b>RA Sample<sup>3</sup></b>	<b>Water Quality Testing</b>
SB-42	On site at APN 238-050-01, to define the extent of soil and groundwater south and up gradient of SB-19.	s/gw	20+	35	Yes	No
SB-43	On site at APN 238-050-09, to define the extent of soil and groundwater south and up gradient of SB-23.	s/gw	20+	35	Yes	Yes
SB-45	On site at APN 238-050-22, to define the extent of soil and groundwater southeast and up gradient of SB-33.	s/gw	20+	35	Yes	No
Contingency 1	Define lateral extent up gradient within APN 238-050-01; SB-42.	s/gw	TBD	TBD	Yes	No
Contingency 2	Define lateral extent up gradient within APN 238-050-09; SB-43.	s/gw	TBD	TBD	Yes	No
Contingency 3	Define lateral extent up gradient within APN 238-050-22; SB-45.	s/gw	TBD	TBD	Yes	No

Abbreviations:

APN = Assessor's parcel number

bgs = Below ground surface

ID = Identification

OVP = Old Valley Pipeline

RA = Risk Assessment

s/gw = Soil and groundwater samples

TAOC = Tidewater Associated Oil Company Pipeline

TBD = To Be Determined

Notes:

1. Target soil-sample depth based on previously identified zone of contamination.
2. Maximum depth explored may vary in field.
3. Soil samples for RA to be collected from 0 to 10 feet bgs.

**Attachment A:  
Regulatory Correspondence**

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# California Regional Water Quality Control Board



## Central Valley Region

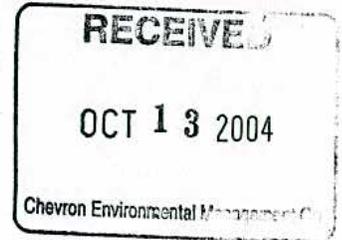
Robert Schneider, Chair

Terry Tamminen  
Secretary for  
Environmental  
Protection

Fresno Branch Office  
Internet Address: <http://www.swrcb.ca.gov/~rwqcb5>  
1685 E Street, Fresno, California 93706  
Phone (559) 445-5116 • FAX (559) 445-5910

Arnold Schwarzenegger  
Governor

29 September 2004



M. Scott Mansholt  
ChevronTexaco  
Chevron Environmental Management Company  
6001 Bollinger Canyon Road  
P.O. Box 6012  
San Ramon, CA 94583-0712

### REVIEW OF ADDITIONAL SOIL AND GROUNDWATER INVESTIGATION WORKPLAN, TRACY BYRON ROAD PROJECT, TRACY, SAN JOAQUIN COUNTY

We have reviewed the *Workplan and Time Schedule for Additional Soil and Groundwater Investigation* dated 14 July 2004 for the Tracy Byron Road Project located in west Tracy. The workplan is in response to a Regional Board memorandum dated 19 April 2004 to ChevronTexaco requesting additional investigative borings. Additional work is needed to delineate the extent of impacts to soil and groundwater described in the 18 February 2004 soil and groundwater investigation report. The report was prepared for ChevronTexaco by Science Applications International Corporation (SAIC).

Initially, areas needing more work were identified during construction of dewatering wells associated with the 2003 storm drain project in Byron Road. The new storm drain generally was adjacent to the south side of the former location of the Old Valley Pipeline (OVP) alignment.

Following the storm drain project, Regional Board staff requested that borings be advanced upgradient of impacted areas to delineate affected soil and groundwater on the south side of Byron Road. The 18 February 2004 report indicated that petroleum hydrocarbon-impacted soil occurs to approximately 30 feet, with the majority occurring between 4 and 20 feet. Groundwater is affected at several areas along the south side of Byron Road. The depth to groundwater is approximately 12 to 13 feet.

As described in the February 2004 report, final delineation of the soil and groundwater impacts was not accomplished and additional site characterization is needed.

The purpose of the proposed investigation is to advance up to ten additional borings and collect and analyze samples to delineate the extent of impacted soil and groundwater.

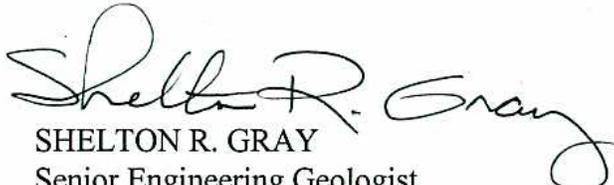
ChevronTexaco  
M. Scott Mansholt  
Tracy Byron Road Project

- 2 -

29 September 2004

We concur with the workplan to advance borings at the locations described in the 13 July 2004 workplan. Please notify Regional Board staff at least 48-hours prior to initiating field activities.

If you any questions or comments, please contact Dean Hubbard at (669) 445-5179.

  
SHELTON R. GRAY  
Senior Engineering Geologist

  
C. DEAN HUBBARD  
Engineering Geologist  
RG No. 6357

cc: Michael Infurna, San Joaquin County Public Health Services, Stockton  
Luis Mercado, SAIC, Sacramento



Linda S. Adams  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board Central Valley Region

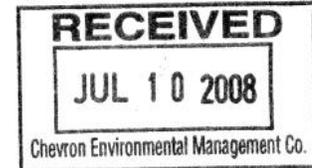
Karl E. Longley, ScD, PE, Chair



Arnold  
Schwarzenegger  
Governor

Fresno Branch Office  
1685 E Street, Fresno, California 93706  
(559) 445-5116 • Fax (559) 445-5910  
<http://www.waterboards.ca.gov/centralvalley>

8 July 2008



M. Scott Mansholt  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road  
BR1Y3432  
San Ramon, CA 94583



## REVIEW - SOIL AND GROUNDWATER INVESTIGATION REPORT, TRACY BYRON ROAD PROJECT, TRACY, SAN JOAQUIN COUNTY

Regional Water Board staff has reviewed the referenced report, dated 21 May 2008, prepared for Chevron Environmental Management Company (Chevron) by Science Applications International Corporation (SAIC). Additionally, we reviewed previous soil and groundwater investigation reports conducted by SAIC and others from 1996 to 2004 for predecessors of Chevron. Detailed comments are provided in the attached memorandum and summarized below.

SAIC's report summarized and concluded the following:

- Soil and groundwater has been adequately delineated at the five boring locations and additional characterization was not needed.
- Step-out borings SB-42, 43, and 45 (originally approved by our September 2004 response to the workplan) should be relocated.
- Historical information for the Calderon Store property indicates that the boring proposed for this property was not needed.

Regional Water Board staff concur that the borings and analytical results have delineated the upgradient extent of affected groundwater. We also concur with the recommendation to relocate the three proposed borings, and that the boring on the Calderon Store property is not needed.

The workplan was previously approved for the three remaining borings. Please continue to provide updates regarding access to the remaining properties, including the schedule to complete the final report. As soon as permission to enter those properties is granted, the field investigation should be concluded.

Provide at least 48 hours notification to Regional Water Board staff prior to implementing the field activities.

If you have any questions or comments, please contact Dean Hubbard at (559) 445-5179.

  
SHELTON R. GRAY  
Senior Engineering Geologist

  
C. DEAN HUBBARD  
Engineering Geologist  
P.G. No. 6357

cc: Michael Infurna, Jr., San Joaquin County EHD, Stockton  
Mike Jenkins, SAIC, Sacramento

Enclosure(s)



# California Regional Water Quality Control Board Central Valley Region

Karl E. Longley, ScD, PE, Chair



Arnold Schwarzenegger  
Governor

Linda S. Adams  
Secretary for  
Environmental  
Protection

Fresno Branch Office  
1685 E Street, Fresno, California 93706  
(559) 445-5116 • Fax (559) 445-5910  
<http://www.waterboards.ca.gov/centralvalley>

TO: Shelton R. Gray  
Senior Engineering Geologist

FROM: C. Dean Hubbard  
Engineering Geologist

DATE: 8 July 2008

SIGNATURE: 

SUBJECT: **REVIEW - TRACY BYRON ROAD PROJECT, TRACY, SAN JOAQUIN CO.**

I have reviewed the 21 May 2008 *Soil Investigation and Groundwater Investigation Report, Tracy Byron Road Project, Tracy, San Joaquin County*. The report was prepared for Chevron Environmental Management Company (Chevron) by Science Applications International Corporation (SAIC).

The purpose of the investigation was to evaluate the extent of soil and groundwater impacts caused by crude oil leaks from the historical Old Valley Pipeline (OVP) and/or the former Tidewater Associated Oil Company (TAOC) pipelines. The OVP/TAOC pipelines, previously operated by predecessors of Chevron and/or Texaco (now Chevron), transferred heated crude oil from Kern County oil fields to San Francisco Bay area refineries during the early 1900s to the mid-1960s. Portions of the lines reportedly were removed in the 1970's.

The OVP lies along the south side of the Byron Road right-of-way (ROW) easement. The TAOC lines are north of Byron Road, and the Union Pacific Railroad (UPRR) tracks are located between Byron Road and the TAOC lines. Overall, the combined width of the UPRR, Byron Road, and pipelines' ROW easements, varies between 200 and 240 feet. However, the area of investigation extends beyond the easements.

The active Kinder Morgan Energy Partners, L.P. refined petroleum product pipeline is present within the UPRR ROW easement. The Kinder Morgan line(s) transports gasoline, jet A fuel and/or diesel fuel.

## BACKGROUND

Areas of impacted soil/groundwater were identified in 2003 during the excavation and dewatering well installation associated with construction of the City of Tracy storm drain beneath Byron Road. According to the previous reports, residual petroleum hydrocarbons, identified in the dewatering wells are present in soil and groundwater from approximately 5 feet to 20 feet below the surface. Minor quantities of free-phase crude oil were observed in soil at a few locations, generally at depths of less than 12 feet. Depth to first encountered groundwater is approximately 12 to 13 feet. The regional gradient is north to northwest as determined at adjacent OVP/TAOC projects in the Tracy area.

The approximately 200-foot wide by 7,000-foot long City of Tracy storm drain project, completed in 2003, is located within a residential area of west Tracy, and extends from Corral Hollow Road on the east to Van Sostan Road on the west. The Catellus OVP/TAOC project, currently being characterized by Chevron, is adjacent to the west end of the project. Adjoining properties are developed with private residences, small commercial businesses, and/or agricultural parcels/residencies. Consequently, access to certain properties was time consuming and in some cases, not achieved. Some proposed boring locations had to be relocated to parcels or roadways where access could be obtained to accommodate the investigation schedule. Interstate Freeway 205 (I-205) crosses Byron Road near the west end of the project.

The focus of the investigation was to further delineate affected soil and/or groundwater upgradient (south) of Byron Road and the former OVP/TAOC pipelines. Based on the findings of the storm drain project and subsequent investigation, we recommended an additional 8 to 10 borings be advanced upgradient of the areas of crude oil impacted soil/groundwater. Due to the difficulty of property access, only five of nine previously approved borings were completed.

According to historical documents, soil and groundwater investigations were conducted on adjacent downgradient properties to the north. With the exception of the Surland Homes, between 1996 and 2002, No Further Action (NFA) determinations for the properties were approved by the San Joaquin County Environmental Health Department (SJCEHD) or the Sacramento office of the Regional Water Quality Control Board (RWQCB). The Surland Homes residential property is currently being addressed by Chevron. Additionally, part of the upgradient sites to the south, were issued NFA closures by the SJCEHD in 1996 and 1997. The recent and current investigations addressed areas where delineation was incomplete. Reports of the earlier investigations and response letters to Chevron are contained in the Regional Water Board project files.

## **CURRENT INVESTIGATION**

During March 2007, SAIC completed soil borings SB-37 through 41. Soil and groundwater samples were collected and submitted for analysis of the petroleum hydrocarbon constituents of concern. The investigative findings addressed data gaps identified by the earlier characterization studies.

### Soil

Five soil borings, advanced to depths of 24 to 32 feet, were completed along the south side of Byron Road at the west end near I-205. Total petroleum hydrocarbon (TPH) affected soil was not observed. TPH as crude oil (TPHc), benzene, toluene, ethylbenzene, and xylenes (BTEX) was reported non-detect (ND) for all samples collected at depths of 5 to 24 feet. In addition, polynuclear aromatic hydrocarbons (PAHs) constituents were ND at their respective method detection limits (MDLs).

Based on review of the current and historical findings, the majority of TPH impacted soil occurs between depths of 4 and 20 feet. The vertical extent of impacted soil was previously delineated between depths of 24 to 36 feet, where TPHc concentrations ranging from ND to less than 100 milligrams per kilogram (mg/kg) were reported.

#### Groundwater

Groundwater grab samples were obtained from each soil boring and submitted for analysis. Concentrations of TPH as diesel (TPHd) were reported in groundwater at 100, 140, 160, 330, and 330 micrograms per liter ( $\mu\text{g/L}$ ), respectively in borings SB-37 to 41. BTEX compounds were ND; with one exception, PAHs were ND; sample SB-39 reported a concentration of 0.40  $\mu\text{g/L}$  benzo(g,h,i)perylene, which exceeds the Environmental Screening Level (ESL) of 0.13  $\mu\text{g/L}$ . The ESLs are described in: *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final 2007 (San Francisco Bay RWQCB, November). The vertical extent of impacted groundwater was defined at a depth of approximately 27 feet by earlier borings and groundwater sample results.

Two samples were submitted for total dissolved solids (TDS) and one for general minerals analysis. TDS values were 1,980 and 2,180 mg/L; general minerals analysis of chloride, sodium, boron, sulfate, and manganese exceeded respective Water Quality Objectives (WQOs) described in the Central Valley RWQCB -*Water Quality Control Plan for the Sacramento River Basin and the San Joaquin River Basin, 4<sup>th</sup> ed., revised August 2006 (Basin Plan)*. According to the Basin Plan, an aquifer is considered a potential drinking water source provided: a) TDS in groundwater is less than 3,000 mg/L; and b) groundwater yield is greater than 200 gallons per day. The reported TDS values exceed the U.S. Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (MCL) for TDS (500 mg/L), which is based on aesthetic (taste and odor) and technical (staining and corrosion) characteristics (U.S. EPA, 2008).

The City of Tracy Municipal Code, for administrative reasons unrelated to petroleum impacts, prohibits the use of shallow groundwater wells for domestic or municipal use. Domestic and municipal water services are provided by the City of Tracy.

#### SAIC Recommendations

Based on the recent findings, SAIC recommended the following:

- Soil and groundwater has been adequately delineated at those areas investigated by the five soil borings and that additional characterization was not needed.
- Step-out borings SB-42, 43, and 45 (originally approved by the 2004 workplan) should be relocated to nearby properties.
- The boring proposed on the Calderon Store property was not needed since TPHc compounds were not identified in borings advanced during an earlier underground tank removal investigation at that location.

## **CONCLUSIONS**

I concur that the results for the recent borings and corresponding analytical results coupled with the earlier findings, have adequately delineated the upgradient extent of affected groundwater at those locations.

I also concur with SAIC's recommendation for the relocation of the three referenced borings and that the boring proposed at the Calderon Store property is not needed.

[LINK TO THIS MAP](#)

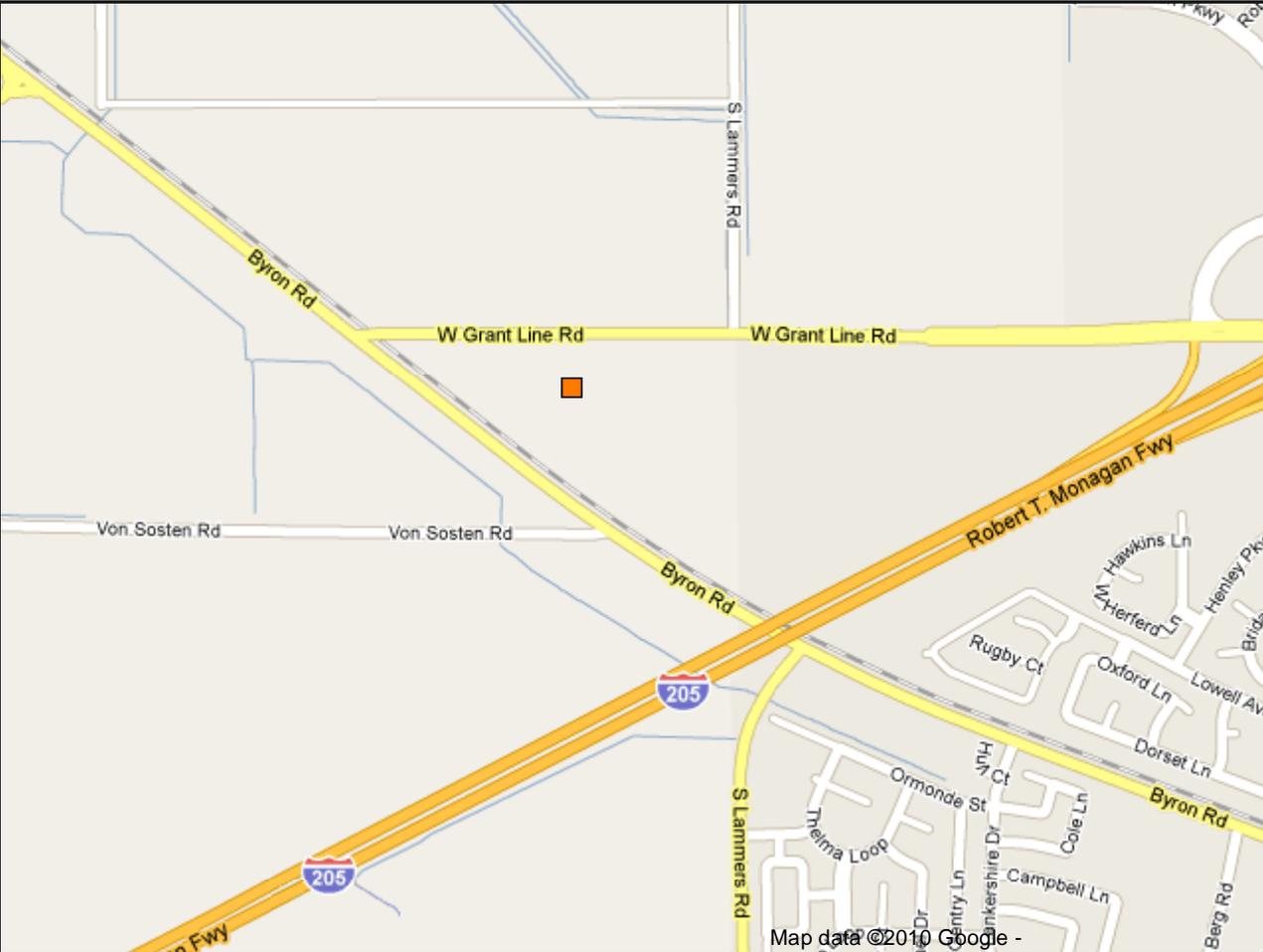


**LAYERS**

- Federal Superfund
- State Response
- Voluntary Cleanup
- School Cleanup
- Evaluation
- School Investigation
- Military Evaluation
- Corrective Action
- Haz Waste Permit
- ▲ GeoTracker LUFT
- ▲ GeoTracker SLIC

**MAP SIZE**

640x480



MAP AN ADDRESS:

DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
**ENVIROSTOR**

**OLD VALLEY PIPELINE - MANSFIELD SITE (39460002)**

13880 W GRANT LINE RD  
 TRACY, CA 95304  
 SAN JOAQUIN COUNTY  
**SITE TYPE:** VOLUNTARY CLEANUP

**SUPERVISOR:** STEVEN BECKER  
**OFFICE:** SACRAMENTO

[Summary](#)   [Activities](#)   [Map](#)

**Site Information**

**CLEANUP STATUS**  
**NO FURTHER ACTION AS OF 11/18/1999**

<b>SITE TYPE:</b> VOLUNTARY CLEANUP	<b>ENVIROSTOR ID:</b> 39460002
<b>NATIONAL PRIORITIES LIST:</b> NO	<b>SITE CODE:</b> 101220
<b>ACRES:</b> NONE SPECIFIED	<b>SPECIAL PROGRAM:</b> VOLUNTARY CLEANUP PROGRAM
<b>APN:</b> NONE SPECIFIED	<b>FUNDING:</b> SITE PROPONENT
<b>CLEANUP OVERSIGHT AGENCIES:</b> DTSC	<b>ASSEMBLY DISTRICT:</b> 15
	<b>SENATE DISTRICT:</b> 14

**Regulatory Profile**

**PAST USE(S) THAT CAUSED CONTAMINATION**  
 TRANSPORTATION - PIPELINE

<b>POTENTIAL CONTAMINANTS OF CONCERN</b> CONTAMINATED SOIL	<b>POTENTIAL MEDIA AFFECTED</b> SOIL
---	---

**Site History**

Chevron has entered into a VCA with DTSC to review data re- garding an old crude oil spill from a pipeline owed by Chevron. The site is to be developed into an apartment complex.

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
**ENVIROSTOR**

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[Summary](#)   [Activities](#)   [Map](#)

**Site Information**

**CLEANUP STATUS**  
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<b>SITE TYPE:</b> VOLUNTARY CLEANUP	<b>ENVIROSTOR ID:</b>	39460002
<b>NATIONAL PRIORITIES LIST:</b> NO	<b>SITE CODE:</b>	101220
<b>ACRES:</b> NONE SPECIFIED	<b>SPECIAL PROGRAM:</b>	VOLUNTARY CLEANUP PROGRAM
<b>APN:</b> NONE SPECIFIED	<b>FUNDING:</b>	SITE PROPONENT
<b>CLEANUP OVERSIGHT AGENCIES:</b>	<b>ASSEMBLY DISTRICT:</b>	15
DTSC	<b>SENATE DISTRICT:</b>	14

**Regulatory Profile**

**PAST USE(S) THAT CAUSED CONTAMINATION**  
 TRANSPORTATION - PIPELINE

<b>POTENTIAL CONTAMINANTS OF CONCERN</b> CONTAMINATED SOIL	<b>POTENTIAL MEDIA AFFECTED</b> SOIL
---	---

**Site History**

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**Completed Activities**

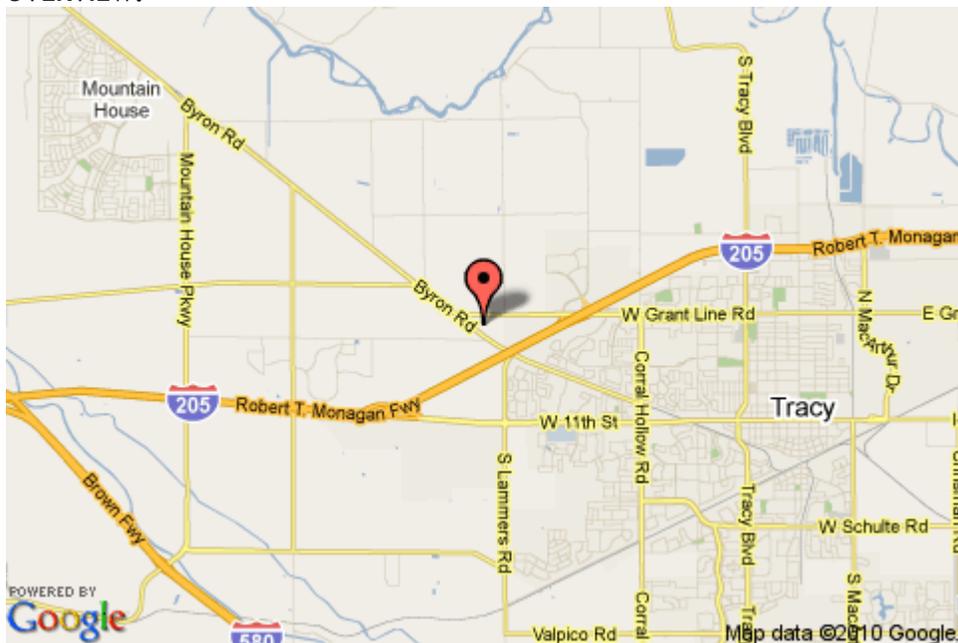
	<u>DOCUMENT TYPE</u>	<u>DATE COMPLETED</u>	<u>COMMENTS</u>
	*Voluntary Cleanup Agreement Completion	11/18/1999	
	Voluntary Cleanup Consultation	11/18/1999	
<a href="#">[VIEW DOCS]</a>	Correspondence	11/16/1999	
<a href="#">[VIEW DOCS]</a>	Voluntary Cleanup Agreement	10/6/1999	

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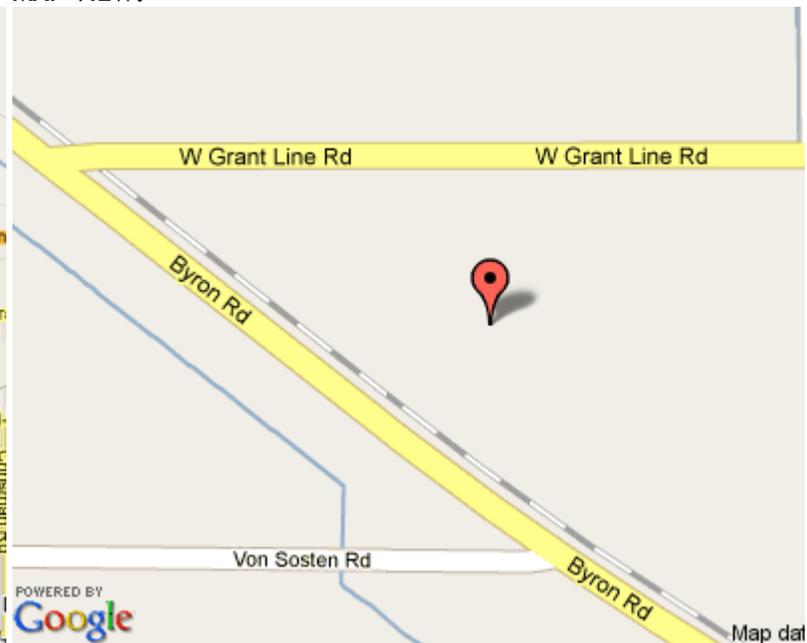
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FOR AN INTERACTIVE MAP, CLICK ON AN IMAGE BELOW

OVERVIEW:



MAP VIEW:



SATELLITE:

TERRAIN:



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# Department of Toxic Substances Control



Winston H. Hickox  
Agency Secretary  
California Environmental  
Protection Agency

Edwin F. Lowry, Director  
10151 Croydon Way, Suite 3  
Sacramento, California 95827-2106

Gray Davis  
Governor

November 16, 1999

Ms. Katie Hower  
Pipeline Project Manager  
Chevron Environmental Management Company  
6001 Bollinger Canyon Road  
San Ramon, California 94583

## REVIEW OF SOIL AND GROUNDWATER INVESTIGATION AND SCREENING HEALTH RISK ASSESSMENT OF THE OLD VALLEY PIPELINE RIGHT- OF- WAY

Dear Ms. Hower:

The Department of Toxic Substances Control (DTSC) has completed its review of the subject report prepared by Geomatrix Consultants and submitted by Chevron. This report documents the hazardous substance characterization of soil and groundwater at the site. The purpose of the characterization was to gather data to assess the lateral and vertical extent of petroleum hydrocarbon affected soil along the pipeline right-of-way, to evaluate groundwater quality, and to evaluate potential human health risks posed by residual petroleum hydrocarbons.

According to the information provided in the subject report, the Old Valley Pipeline transported heavy petroleum (crude and fuel oil) from Bakersfield to Richmond, California, from the early 1900s to the 1950s. Benzene, toluene, ethyl benzene, xylenes, and several polynuclear aromatic hydrocarbons were detected in concentrations below the Preliminary Remediation Goals in four soil samples affected by residual petroleum.

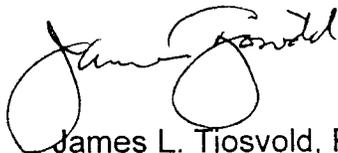
In general, DTSC concurs that the analytical data supporting this investigation is adequate in both quantity and quality, and that the residual levels of petroleum-related hydrocarbons in the soils at the site are below levels that would constitute an unacceptable risk to human health and the environments. This concurrence only applies to the contamination due to the petroleum pipeline release and does not apply to any other potential contamination issue at the site. Although DTSC finds that no additional work is needed to characterize the site for any contamination due to the

Ms. Katie Hower  
November 16, 1999  
Page 2

petroleum pipeline release, revisions to the document are needed before an agency can support site closure. Our comments are enclosed in an internal memo dated November 5, 1999 from DTSC staff toxicologist Mr. David Berry.

DTSC is pleased to have provided assistance to you on this project. If you have any questions regarding this matter, please contact Ms. Mary Misemer at (916) 255-3675 or Ms. Megan Cambridge at (916) 255-3727.

Sincerely,



James L. Tjosvold, P.E., Chief  
Northern California-Central Cleanup Operations Branch

Enclosure

cc: Mr. David L. Berry, Ph.D.  
DTSC Union Building  
Staff Toxicologist  
Human and Ecological Risk Division (HERD)  
301 Capitol Mall, 1st Floor  
Sacramento, California 95814

Ms. Donna Heran, Director  
San Joaquin County Environmental Health  
304 E. Weber Street  
Stockton, California 95202

Ms. Mary Misemer  
Northern California-Central  
Cleanup Operations Branch  
Site Mitigation Program  
Department of Toxic Substances Control  
10151 Croydon Way, Suite 3, R1-1  
Sacramento, California 95827



# Department of Toxic Substances Control



Edwin F. Lowry, Director  
10151 Croydon Way, Suite 3  
Sacramento, California 95827-2106

Justin H. Hickox  
Secretary for  
Environmental  
Protection

Gray Davis  
Governor

October 13, 1999

Ms. Katie Hower  
Pipeline Project Manager  
Chevron Environmental Management Company  
6001 Bollinger Canyon Road  
San Ramon, California 94583

## DRAFT VOLUNTARY CLEANUP AGREEMENT, OLD VALLEY PIPELINE RIGHT OF WAY MANSFIELD PROPERTY

Dear Ms. Hower:

The Department of Toxic Substances Control (DTSC) has enclosed a copy of the fully executed Voluntary Cleanup Agreement (VCA) for the former Old Valley Pipeline Right of Way, Mansfield Property (Site) located at 13880 West Grant Line Road, Tracy, San Joaquin County, California, 95376. The VCA was signed by DTSC on October 8, 1999. The DTSC Project Manager for the Site is Ms. Mary Misemer.

In addition to the VCA, I have enclosed a Customer Service Survey developed by the California Environmental Protection Agency (Cal/EPA). Cal/EPA would appreciate your input regarding DTSC staff's performance while negotiating and preparing the agreement. Please complete the enclosed Customer Service Survey and return it to Cal-EPA. Your assistance in improving the quality of services provided by DTSC is greatly appreciated.

If you have any questions, please call Ms. Misemer at (916) 255-3675 or me at (916) 255-3727.

Sincerely,

Megan Cambridge, Chief  
Expedited Remedial Action Plan Unit

Enclosure

cc: See next page.  
Certified Mail #Z 553 053 012

Ms. Katie Hower  
October 13, 1999  
Page 2

cc: Ms. Donna Heran, Director  
San Joaquin County Environmental Health  
304 E. Weber Street  
Stockton, California 95202

Ms. Mary Misemer  
Northern California-Central  
Cleanup Operations Branch  
Site Mitigation Program  
Department of Toxic Substances Control  
10151 Croydon Way, Suite 3, R1-1  
Sacramento, California 95827

STATE OF CALIFORNIA  
ENVIRONMENTAL PROTECTION AGENCY  
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of:	)	Docket No. <u>HSA-A 99/00-022</u>
	)	
Old Valley Pipeline Right of Way	)	Voluntary Cleanup Agreement
located on Mansfield Property	)	
Tracy, California	)	
	)	
Project Proponent	)	Health and Safety Code
Chevron Environmental Management	)	Section 25355.5(a)(1)(C)
Company	)	
6001 Bollinger Canyon Road	)	
San Ramon, California 94583	)	
_____	)	

I. INTRODUCTION

1.1 Parties. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) enters into this Voluntary Cleanup Agreement (Agreement) with Chevron Environmental Management Company (Proponent).

1.2 Site. The property which is the subject of this Agreement (Site) is located at 13880 West Grant Line Road, Tracy, San Joaquin County, California, 95376. The Site consists of the Old Valley Pipeline Right-Of-Way located on the Mansfield Property. The Site property consists of 17-acres and is identified by Assessor's Parcel Number(s) San Joaquin County APN 209-260-30, Tracy, California. A diagram of the Site and a location map are attached as Exhibit A and Exhibit B.

1.3 Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code (H&SC) section 25355.5(a)(1)(C). This section authorizes DTSC to enter into an enforceable agreement with Proponents to oversee the characterization and cleanup of a Site.

1.4 Purpose. The purpose of this Agreement is for the Proponent to obtain DTSC's oversight in reviewing and obtaining comments to the "Soil and Groundwater Investigation and Screening Health Risk Assessment of the Old Valley Pipeline Right-of-Way," dated September 1999. The purpose of this Agreement is also for DTSC to obtain reimbursement from the Proponent for DTSC's oversight costs.

II. BACKGROUND

2.1 Ownership. The Site is owned by Mr. Richard and Mrs. Darlene Mansfield.

2.2 Substances Found at the Site. Information contained in a report entitled "Soil and Groundwater Investigation and Screening Health Risk Assessment of the Old Valley Pipeline Right-of-Way," dated September 1999 and prepared by Geomatrix Consultants, states soil and groundwater sampling was conducted at the Site. Sampling indicates the presence of petroleum hydrocarbon in soils and low levels of petroleum constituents including benzene, toluene, ethylbenzene, xylenes, and poly aromatic hydrocarbons detected in either soil or groundwater.

2.3 Physical Description. The Mansfield property consists of a 17-acre parcel located west of Southern Pacific Railway and Byron Road, and north of interstate 205. The parcel is occupied by a single residential home and is used for grazing cattle. The Chevron pipeline right-of-way runs along the southern border of the property.

2.4 Site History. From the early 1900's to the 1950's, the Old Valley Pipeline was used by Standard Oil Company (now Chevron) to transport heavy petroleum (crude oil) from Bakersfield to Richmond, California. The easement for the pipeline exists on the southern portion of the Mansfield's property. Pipes were typically buried four feet below grade and had the occasion to leak. While there is no exact incident of a release from the pipeline, residual contamination found in soils are likely associated with the pipeline and needs to be evaluated to determine if there exists a risk to public health or the environment prior to the construction of the proposed multi-family residential complex.

### III. AGREEMENT

3.0 IT IS HEREBY AGREED THAT DTSC will provide review and oversight of the response activities conducted by the Proponent in accordance with the Scope of Work contained in Exhibit C. The Proponent shall conduct the activities in the manner specified herein and in accordance with the schedule specified in Exhibit E. All work shall be performed consistent with H&SC section 25300 et seq., as amended; the National Contingency Plan (40 Code of Federal Regulations (CFR) Part 300), as amended; U.S. EPA and DTSC Superfund guidance documents regarding site investigation and remediation.

3.1 Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponent deliverables as described in Exhibit C (Scope of Work) and other documents applicable to the scope of the project. DTSC shall provide oversight of field activities, including sampling and remedial activities, as appropriate. DTSC's completion of activities described above shall constitute DTSC's complete performance under this Agreement.

3.2 Additional Activities. Additional activities may be conducted and DTSC oversight provided by amendment to this Agreement or Exhibits hereto in accordance with Paragraph 3.17. If DTSC expects additional oversight costs to be incurred related to these additional activities, it will provide an estimate of the additional oversight cost to the Proponent.

3.3 Agreement Managers. James L. Tjosvold, Chief, Northern California-Central Cleanup Operations Branch is designated by DTSC as its Manager for this Agreement. Katie Hower is assigned by the Proponent as Manager for this Agreement. Each Party to this Agreement shall provide at least ten (10) days advance written notice to the other of any change in its designated manager.

3.4 Notices and Submittals. All notices, documents and communications required to be given under this Agreement, unless otherwise specified herein, shall be sent to the respective parties at the following addresses in a manner that produces a record of the sending of the notice, document, or communication such as certified mail, overnight delivery service, facsimile transmission, or courier hand-delivery service:

3.4.1 To DTSC:

James L. Tjosvold  
Attn: Mary Misemer  
Department of Toxic Substances Control  
Site Mitigation Program  
10151 Croydon Way, Suite 3  
Sacramento, California 95827-2106

3.4.2 To the Proponent:

Katie Hower, Pipeline Project Manager  
Chevron Environmental Management Company  
6001 Bollinger Canyon Road  
San Ramon, California 94583

3.4.3 To the Property Owner:

Mr. Richard and Mrs. Darlene Mansfield  
13880 Grant Line Road  
Tracy, California 95376

3.5 DTSC Review and Approval. If DTSC determines that any report, plan, schedule, or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) Return comments to the Proponent with recommended changes; or (b) Modify the document as deemed necessary and approve the document as modified.

3.6 Communications. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to the Proponent in writing by DTSC's Agreement Manager or his/her designee. No informal advice, guidance, or suggestions or comments by DTSC regarding reports, plans, specifications, schedules, or any other writings by the Proponent shall be construed to relieve the Proponent of the obligation to obtain such written approvals.

3.7 Endangerment During Implementation. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose

an imminent or substantial endangerment to the health and safety of people on the Site or in the surrounding area or to the environment, DTSC may order the Proponent to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment.

3.8 Payment. The Proponent agrees to pay (1) all costs incurred by DTSC in association with preparation of this Agreement and for review of documents submitted prior to the effective date of the Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement, including review of the documents described in Exhibit C and associated documents, and in providing oversight of field activities. An estimate of DTSC's oversight costs is attached as Exhibit D. It is understood by the parties that Exhibit D is an estimate and cannot be relied upon as the final cost figure. DTSC will bill the Proponent quarterly. Proponent agrees to make payment within sixty (60) days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by the Proponent.

3.8.1 In anticipation of services to be rendered, Proponent shall make an advance payment of \$7,016.00 to DTSC. That payment shall be made no later than ten (10) days after this Agreement is fully executed. If the Proponent's advance payment does not cover all costs payable to DTSC under this paragraph, Proponent agrees to pay the additional costs within sixty (60) days of receipt of a bill from DTSC.

3.8.2 If any bill is not paid by the Proponent within sixty (60) days after it is sent by DTSC, the Proponent may be deemed to be in material default of this Agreement.

3.8.3 All payments made by the Proponent pursuant to this Agreement shall be by a cashier's or certified check made payable to the "Department of Toxic Substances Control", and bearing on its face the project code for the site (site # 101220) and the docket number of this Agreement.

Payments shall be sent to:

Department of Toxic Substances Control  
Accounting/Cashier  
400 P Street, 4th Floor  
P.O. Box 806  
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Agreement Manager/Regional Branch Chief.

3.8.4 If the advance payment exceeds DTSC's actual oversight costs, DTSC will provide an accounting for expenses and refund the difference within one hundred-twenty (120) days after termination of this Agreement in accordance with Paragraph 3.18. In no other case shall the Proponent be entitled to a refund from DTSC or to assert a claim against DTSC for any amount paid or expended under this Agreement.

3.9 Condition Precedent. It is expressly understood and agreed that DTSC's receipt of the advance payment described in Paragraph 3.8.1. is a condition precedent to DTSC's obligation to provide oversight, review, and/or comment on documents.

3.10 Record Retention. DTSC shall retain all cost records associated with the work performed under this Agreement for such time periods as may be required by applicable state law. The Proponent may request to inspect all documents which support DTSC's cost determination in accordance with the Public Records Act, Government Code section 6250 et seq.

3.11 Project Coordinator. The work performed pursuant to this Agreement shall be under the direction and supervision of a qualified project coordinator, with expertise in hazardous substance site cleanup. The Proponent shall submit: a) the name and address of the project coordinator; and b) in order to demonstrate expertise in hazardous substance site cleanup, the resume of the coordinator. The Proponent shall promptly notify DTSC of any change in the identity of the Project Coordinator. All engineering and geological work shall be conducted in conformance with applicable state law, including but not limited to, Business and Professions Code sections 6735 and 7835.

3.12 Access. Proponent shall provide, and/or obtain access to the Site and offsite areas to which access is necessary to implement this Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of any law. DTSC and its authorized representatives shall have the authority to enter and move freely about all property at the Site at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data, and contracts relating to this Site; reviewing the progress of the Proponent in carrying out the terms of this Agreement; conducting such tests as DTSC may deem necessary; and verifying the data submitted to DTSC by the Proponent.

3.13 Sampling, Data and Document Availability. When requested by DTSC, the Proponent shall make available to DTSC, and shall provide copies of, all data and information concerning contamination at the Site, including technical records and contractual documents, sampling and monitoring information, and photographs and maps, whether or not such data and information was developed pursuant to this Agreement.

3.14 Notification of Field Activities. The Proponent shall inform DTSC at least seven (7) days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by the Proponent pursuant to this Agreement.

3.15 Notification of Environmental Condition. The Proponent shall notify DTSC's Agreement Manager immediately upon learning of any condition posing an

immediate threat to public health or safety or the environment. Within seven (7) days of the onset of such a condition, the Proponent shall furnish a report to DTSC, signed by the Proponent's Agreement Manager, setting forth the events which occurred and the measures taken in the response thereto.

3.16 Preservation of Documentation. The Proponent shall maintain a central repository of the data, reports, and other documents prepared pursuant to this Agreement. All such data, reports, and other documents shall be preserved by the Proponent for a minimum of six (6) years after the conclusion of all activities carried out under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, the Proponent shall either comply with that request, deliver the documents to DTSC, or permit DTSC to copy the documents prior to destruction. The Proponent shall notify DTSC in writing at least ninety (90) days prior to the expiration of the six-year minimum retention period before destroying any documents prepared pursuant to this Agreement. If any litigation, claim, negotiation, audit, or other action involving the records has been started before the expiration of the six year period, the related records shall be retained until the completion and resolution of all issues arising therefrom or until the end of the six-year period, which ever is later.

3.17 Amendments. This Agreement may be amended or modified solely upon written consent of all parties. Such amendments or modifications may be proposed by any party and shall be effective the third business day following the day the last party signing the amendment or modification sends its notification of signing to the other party. The parties may agree to a different effective date.

3.18 Termination for Convenience. Except as otherwise provided in this Paragraph, each party to this Agreement reserves the right unilaterally to terminate this Agreement for any reason. Termination may be accomplished by giving a thirty (30) day advance written notice of the election to terminate this Agreement to the other Party. In the event that this Agreement is terminated under this Paragraph, the Proponent shall be responsible for DTSC costs through the effective date of termination.

3.19 Exhibits. All exhibits attached to this Agreement are incorporated herein by this reference.

3.20 Time Periods. Unless otherwise specified, time periods begin from the date this Agreement is fully executed, and "days" means calendar days. "Business days" means all calendar days that are not weekends or official State holidays.

3.21 Proponent Liabilities. Nothing in this Agreement shall constitute or be considered a satisfaction or release from liability for any condition or claim arising as a result of Proponent's past, current, or future operations. Nothing in this Agreement is intended or shall be construed to limit the rights of any of the parties with respect to claims arising out of or relating to the deposit or disposal at any other location of substances removed from the Site.

3.22 Government Liabilities. The State of California (State) shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by the Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California be held as a party to any contract entered into by the Proponent or its agents in carrying out the activities pursuant to this Agreement.

3.23 Third Party Actions. In the event that the Proponent is a party to any suit or claim for damages or contribution relating to the Site to which DTSC is not a party, the Proponent shall notify DTSC in writing within ten (10) days after service of the complaint in the third-party action. Proponent shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

3.24 Reservation of Rights. DTSC and the Proponent reserve the following rights.

3.24.1 DTSC reserves its right to pursue cost recovery under the Comprehensive Environmental Response, Compensation, and Liability act of 1980 (CERCLA), as amended, the California Health and Safety Code section 25360, and any other applicable section of the law.

3.24.2 Nothing in this Agreement is intended or shall be construed to limit or preclude DTSC from taking any action authorized by law or equity to protect public health and safety or the environment and recovering the costs thereof.

3.24.3 Nothing in this Agreement shall constitute or be construed as a waiver of the Proponent's rights, (including any covenant not to sue or release) with respect to any claim, cause of action, or demand in law or equity that the Proponent may have against any "person", as defined in Section 101(21) of CERCLA, or Health and Safety Code section 25319, that is not a signatory to this Agreement.

3.24.4 By entering into this Agreement, Proponent does not admit to any fact, fault, or liability under any statute or regulation.

3.25 Compliance with Applicable Laws. Nothing in this Agreement shall relieve the Proponent from complying with all applicable laws and regulations, and the Proponent shall conform all actions required by this Agreement with all applicable federal, state, and local laws and regulations.

3.26 California Law. This Agreement shall be governed, performed, and interpreted under the laws of the State of California.

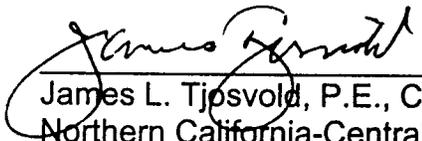
3.27 Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining terms of the Agreement.

3.28 Parties Bound. This Agreement applies to and is binding, jointly and severally, upon each signatory and its officers, directors, agents, receivers, trustees, heirs, executors, administrators, successors, and assigns, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Agreement. No change in the ownership or corporate or business status of any signatory, or of the facility or Site shall alter any signatory's responsibilities under this Agreement.

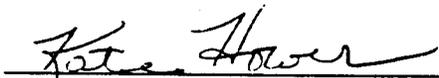
3.29 Effective Date. The effective date of this Agreement is the date when this Agreement is fully executed.

3.30 Representative Authority. Each undersigned representative of the parties to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the parties to this Agreement.

3.31 Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.

  
\_\_\_\_\_  
James L. Tjosvold, P.E., Chief  
Northern California-Central  
Cleanup Operations Branch  
Site Mitigation Program  
Department of Toxic Substances Control

Date: 10/6/99

  
\_\_\_\_\_  
Katie Hower, Pipeline Project Manager  
Chevron Environmental Mgmt Co.

Date: 10/4/99

## EXHIBITS

A - SITE DIAGRAM

B - SITE LOCATION MAP

C - SCOPE OF WORK

D - COST ESTIMATE

E - SCHEDULE

# EXHIBIT A - SITE DIAGRAM

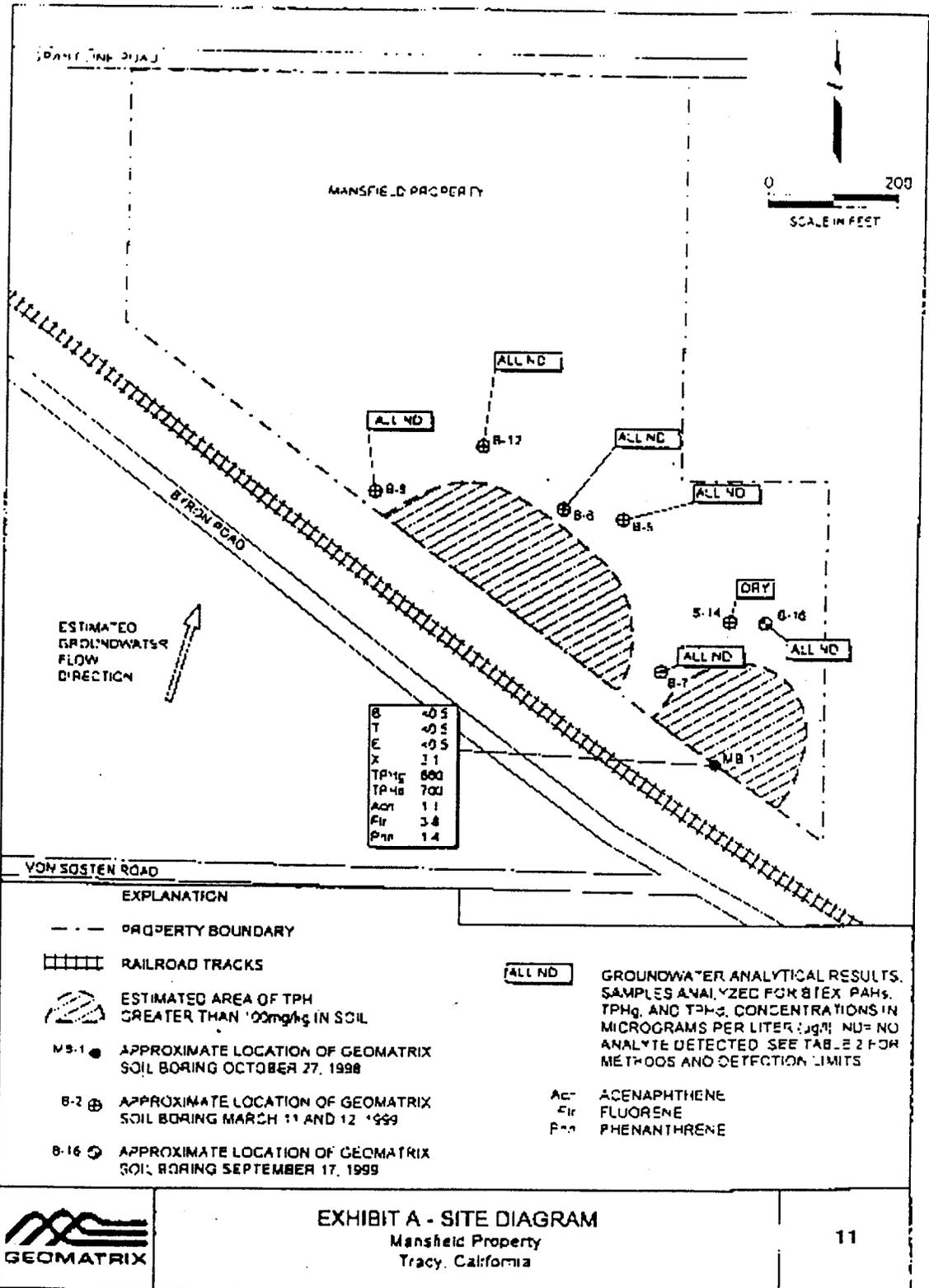




EXHIBIT C  
SCOPE OF WORK

The following Tasks will be completed as part of this Agreement:

TASK 1. Submittal of Existing Data

The Proponent will submit to DTSC all background information, sample analysis results, environmental assessment reports, and any other information pertinent to the hazardous substance management and/or release, characterization, and cleanup of the Site. DTSC will review the information, identify areas and media of concern, and determine the additional work, if any, required to complete the investigation/remediation of the Site.

TASK 2. Document Review

DTSC will review "Soil and Groundwater Investigation and Screening Health Risk Assessment of the Old Valley Pipeline Right-of Way" and provide written comments to the Proponent.

Department of Toxic Substances Control  
**COST ESTIMATE OLD VALLEY PIPELINE**

EXHIBIT D

Includes Direct and Indirect Cost Rates \*

TITLE	Project Manager	Legal	Toxicology	Geology	HQ	Industrial	Public	Supervisor	Tech. Sr	Clerical
CLASSIFICATION	HSS/HSE	Staff Counsel	Staff Toxicologist	HSEG	CEQA	Hygiene	Participatio	SHSE/SHSS	SHSE/SHSS	WPT
TASKS										
Agreement Negotiation/Preparation	5							7		0.5
Review Data and Commen	40		2					1		0.5
RI/FS Workplan										
RI Report										0.5
FS Report										
Baseline Risk Assessment										
Public Participation										
CEQA										
RAP/RAW										
Response to Comments	10							2		0.5
Remedial Design										
Implementation Oversight										
Completion/ Implementation Report										
Deed Restriction										
O&M Agreement										
Certification										
O&M Manual										
Total Hours/Class	55	0	2	0	0	0	0	10	0	2
Total Hours	69									
Hourly Rate/Class	\$100	\$128	\$128	\$101	\$93	\$95	\$95	\$116	\$116	\$50
Total Cost/Class	\$5,500	\$0	\$256	\$0	\$0	\$0	\$0	\$1,160	\$0	\$100

Total Estimated Costs	\$7,016
Past Costs	
Grand Total Costs	\$7,016

\* Indirect rate used for calculations = 181.83%  
 \*\* rates include the 5% raise across all classes

EXHIBIT E

TASK SCHEDULE: Old Valley Pipeline Right of Way - Mansfield Property.

TASK	SCHEDULE
Submittal of existing data (Exhibit C, Task 1)	Within 15 days from the date the VCA is signed.
DTSC review and comment on existing data submittal	Within 30 days of receipt of submittal.



**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
CUSTOMER SERVICE SURVEY**

One of Cal/EPA's objectives is to provide superior levels of customer service. Your feedback telling us what is going well and what needs improvement is essential to our success in our efforts to better serve you. Please take a moment to respond to the following questions.

*Winston H. Hickox, Secretary for Environmental Protection*

<b>SERVICE PROVIDER:</b>	<b>Department of Toxic Substances Control: Clovis</b>
	<input type="checkbox"/> Permits/Compliance <input type="checkbox"/> Cleanup <input type="checkbox"/> Public Outreach <input type="checkbox"/> Other Programs

What was the nature of your contact with us? (Please check only one box)

- General Information                       Problem Resolution                       Technical Assistance  
 Permitting/Licensing Assistance        Registration Assistance                Other: \_\_\_\_\_

STATEMENTS	Check (✓) As Appropriate			
	Strongly Agree	Agree	Disagree	Strongly Disagree
Staff was courteous and helpful.				
Staff provided complete, accurate information to you.				
A timely response was provided.				
My overall experience was positive.				
<i>Please complete the section below if your contact with us involved permitting/licensing/registration assistance.</i>				
The regulations were understandable.				
The application instructions were understandable.				
The permit/license/registration terms and conditions were understandable.				

◇ Please indicate any staff person you would like to commend: \_\_\_\_\_  
*Name(s)*

◇ Comments:

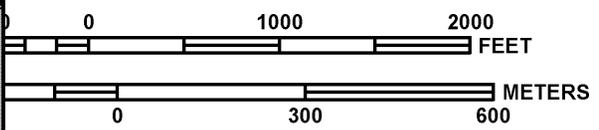
◇ If you feel we fell short in meeting your service expectations, please describe the situation, including name of the staff person involved and the date the incident occurred.

◇ As a result of your experience with us, what service-related improvements can you recommend?

**APPENDIX B**  
**Documentation**



MAP SCALE 1" = 1000'



PANEL 0590F

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**SAN JOAQUIN COUNTY,**  
**CALIFORNIA**  
**AND INCORPORATED AREAS**

PANEL 590 OF 950

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SAN JOAQUIN COUNTY	060299	0590	F
TRACY, CITY OF	060303	0590	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**06077C0590F**

**EFFECTIVE DATE**  
**OCTOBER 16, 2009**

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM  
 SP  
 Z

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

X Incoming Call  
Outgoing Call

Job No. 35-101038  
Date 07.15.10

Individual Contact Andrea Cipponeri  
Title \_\_\_\_\_  
Company / Agency Tracy Fire Department  
Address 333 Civic Center Plaza  
Tracy, CA 95376

By Kristen Bogue  
Phone (209) 831-6444  
Project Name Filios / Dobler Annexation

Subject of Contact Agency response to File Review Request

Items Discussed Ms. Cipponeri stated that their files are maintained by the County of San Joaquin. Staff referred RBF to the County of San Joaquin Public Health Services - Environmental Health Division.

Action to be Taken RBF requested available files from the Environmental Health Division on July 15, 2010.

Route To \_\_\_\_\_

X Incoming Call  
Outgoing Call

Job No. 35-101038  
Date 07.15.10

Individual Contact Andrea Cipponeri  
Title \_\_\_\_\_  
Company / Agency Tracy Fire Department  
Address 333 Civic Center Plaza  
Tracy, CA 95376

By Kristen Bogue  
Phone (209) 831-6444  
Project Name Filios / Dobler Annexation

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Action to be Taken RBF requested available files from the Environmental Health Division on July 15, 2010.

Route To \_\_\_\_\_



# FIELD REPORT

DATE		8   11   10	JOB NO. 35-101038	
PROJECT Flies/Dobler Annexation				
LOCATION				
CONTRACTOR			OWNER	
WEATHER	TEMP.		TIME	
PRESENT AT SITE				

~~To~~ Interview with Property Owner/Occupant at 14010 West Grant Line Road

THE FOLLOWING WAS NOTED:

The property owner/occupant stated that the adjoining property to the west at 14044 Grant Line Road is owned by a family member. The property owner stated that the welding shop is used for personal repairs and storage and that the welding shop business is conducted off-site

COPIES TO \_\_\_\_\_  
 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_



# FIELD REPORT

DATE 8/11/10		JOB NO. 35-101038
PROJECT Filios / Dobler Annexation		
LOCATION		
CONTRACTOR		OWNER
WEATHER	TEMP.	TIME
PRESENT AT SITE		

~~To~~ Interview with Mr. Michael Infurna of San Joaquin County EHD

THE FOLLOWING WAS NOTED:

Mr. Infurna stated that Chevron is responsible for remediation activities at the project site associated w/the Chevron pipeline related spills. He noted the soils at the site are odorou and "oozy", and that groundwater is shallow. Mr. Infurna stated that the previous soil management plan for the property would still apply. However, since it did not address vapor intrusion, a vapor gas study should be prepared for any location proposed for human occupancy, as well as soil sampling. He also noted the soil management plan should verify the extent of on-site contamination and update as necessary.

COPIES TO \_\_\_\_\_

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_



## EXISTING HAZARDOUS MATERIALS CONDITIONS ASSESSMENT INTERVIEW QUESTIONNAIRE

Date: Aug 5, 2010 Time: 2:35 pm Property Name: Grant Line Apartments, LLC

Property Address and APN(s): 209-270-30 & 209-270-31

If questions are answered for only a specific area of the property (i.e., APN), specify the area:

---

Person Answering Questionnaire: Name: John Palmer  
Phone/Fax: (209) 835-8330  
Email: jpalmer@souzard.com

Party Administering Questionnaire: Name: Kristen Bogue, RBF Consulting  
Phone/Fax: Please Return Fax to (949) 837-4122  
Email: kbogue@rbf.com

1. How long have you worked at or been associated with the facility?

Approx. 4 years

2. What is your position?

Project Manager

3. What are your job responsibilities related to the facility?

Development & Entitlement Consultant/Management

4. To the best of your knowledge is the property or any adjoining property currently or historically been used for an industrial use? If so what?

No

5. To the best of your knowledge is the **subject property** currently used or was historically used as a:

- |  |                              |  |                              |                             |
|--|------------------------------|--|------------------------------|-----------------------------|
| a) gasoline station                            | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| b) motor repair facility                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| c) commercial printing facility                | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| d) dry cleaners                                | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| e) photo developing laboratory                 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| f) plating shops                               | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| g) junkyard or landfill                        | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| h) waste treatment, storage, disposal facility | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| i) recycling facility                          | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| j) car wash?                                   | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
- 
- 

6. To the best of your knowledge is any **adjoining property** currently used or was historically used as a:

- |  |                              |  |                              |                             |
|--|------------------------------|--|------------------------------|-----------------------------|
| a) gasoline station                            | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| b) motor repair facility                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| c) commercial printing facility                | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| d) dry cleaners                                | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| e) photo developing laboratory                 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| f) plating shops                               | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| g) junkyard or landfill                        | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| h) waste treatment, storage, disposal facility | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| i) recycling facility                          | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
| j) car wash?                                   | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/> | NA <input type="checkbox"/> |
- 
- 

7. To the best of your knowledge are there currently stored or used, or have there been previously stored or used, any of the following on the **subject property**:

- |  |                              |  |   |                             |
|--|------------------------------|--|---|-----------------------------|
| a) damaged or discarded automotive or industrial batteries | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |
| b) pesticides, paints                                      | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | Unk <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| c) petroleum products                                      | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |
| d) degreasers  | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |
| e) solvents  | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |
| f) paints  | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |
| g) cleaners  | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |
| h) pesticides  | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | Unk <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| i) other hazardous materials?                              | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Unk <input type="checkbox"/>            | NA <input type="checkbox"/> |

8. To the best of your knowledge are there currently, or where there historically, any hazardous wastes or used oil generated on the property? If so where is it stored?

No

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9. To the best of your knowledge has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin? If so explain.

No

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---

10. To the best of your knowledge are there currently, or have there been previously, any pits, pond, or lagoons located on the property in connection with waste treatment or waste disposal? If so explain.

No

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---

11. Are there currently, or to the best of your knowledge has there been previously, any stained soil (other than minor automotive type stains) on the property? If so what and where?

[Please contact Shannon Wong, Chevron Environmental Management Company, regarding this issue. 925-543-2956, shannonwong@chevron.com](#)

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12. Are there currently, or to the best of your knowledge are there currently or has there been previously, any registered or unregistered storage tanks (above or underground) located on the subject property? If so where?

No

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13. If existing or removed tanks are known, do you have any knowledge of any leaks, spills or releases from these tanks? If so explain.

No

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14. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property? If so explain?

No

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15. If applicable, what are the current procedures for obtaining storing, and handling hazardous materials and/or petroleum products at the subject property?

N/A

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---

16. If applicable, what are the current procedures for disposing of hazardous waste and/or waste petroleum products at the subject property?

N/A

---

---

17. Do you know of any hazardous material/hazardous waste or petroleum products spills that have occurred on the subject property? If so, when and where did they occur?

[Please contact Shannon Wong, Chevron Environmental Management Company, regarding this issue. 925-543-2956, shannonwong@chevron.com](#)

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18. Are there currently, or to the best of your knowledge have there been previously, any drains, dry wells, underground sumps, septic tanks, leach fields at the subject property? If so where?

[There is a septic system and leach field that serves the residence.](#)

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19. Are the buildings at the subject site connected to a sewer line? If a septic tank is present can you specify where the tank and leach field (if applicable) are located?

20. Do you have knowledge of any past or current existence environmental violations with respect to the subject property? If so explain.

[Please contact Shannon Wong, Chevron Environmental Management Company, regarding this issue. 925-543-2956, shannonwong@chevron.com](#)

---

---

21. Are you aware of any environmental cleanup liens against the property that are filed or recorded under Federal, tribal, State, or local law? If so explain.

No

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---

22. Are you aware of any activity and land use limitations (AULS), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under Federal, tribal, State, or local law? If so explain.

No

---

---

23. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

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---

24. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

a) Do you know the past uses of the property?

Properties have historically been used for grazing/agricultural land.

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---

b) Do you know of specific chemicals that are present or once were present at the property?

No

---

---

c) Do you know of spills or other chemical releases that have taken place at the property?

Please contact Shannon Wong, Chevron Environmental Management Company, regarding this issue. 925-543-2956, shannonwong@chevron.com

---

---

d) Do you know of any environmental cleanups that have taken place at the property?

Please contact Shannon Wong, Chevron Environmental Management Company, regarding this issue. 925-543-2956, shannonwong@chevron.com

---

e) Do you know of any other commonly known or reasonably ascertainable information about the property?

Filios/Dobler General Plan Amendment and Annexation Project DEIR and Technical Appendices prepared by Pacific Municipal Consultants dated June 1999 (SCH No. 99022067)

---

25. Based on your knowledge and experience related to the property are there any *obvious* indicators that point to the presence or likely presence of contamination?

No

---

26. To the best of your knowledge, have any historic addresses been utilized for the subject property?      Yes      No      Unk      NA  
                 

13880 W. Grant Line Road, Tracy, CA 95304 (previously 95376)

---

27. To the best of your knowledge, have any hazardous substances or petroleum products or unidentified waste materials been buried at the subject property?      Yes      No      Unk      NA  
                 

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28. To the best of your knowledge, has any solid wastes, including construction materials, concrete, trash been dumped or buried on the property?      Yes      No      Unk      NA  
                 

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Phase I ESA Questionnaire

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29. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of Polychlorinated Biphenyls (PCBs)?

Yes	No	Unk	NA
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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30. Are there any areas you would recommend for further environmental investigation based on your knowledge of current and historical uses of the subject property?

Yes	No	Unk	NA
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

---

---

31. Is there anyone else you would recommend we interview for the Phase I ESA?

Yes	No	Unk	NA
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

---

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**Interviewed Person**

John Palmer  
Company/Govt. Agency:

August 5, 2010  
Date

\_\_\_\_\_  
Signature

Project Manager  
Name/Title:



July 15, 2010

JN 35-101038

**County of San Joaquin**  
**Public Health Services – Environmental Health Division**  
600 East Main Street  
Stockton, CA 95202  
Phone: (209) 468-3420  
Fax: (209) 464-0138

**Subject: Filios/Dobler Annexation Existing Hazardous Materials Conditions Assessment  
Public Records Request**

Dear Ms. Diane Martinez:

This letter is in regards to properties located within the County of San Joaquin, California. RBF Consulting (RBF) is currently conducting an Existing Hazardous Materials Conditions Assessment for the City of Tracy for an approximate 40-acre annexation project. RBF would like to request publicly available files (associated with hazardous materials) for the following on-site properties:

- ◆ **14010 West Grant Line Road, Tracy** (APN 209-27-010) - *no file found*
- ◆ **14044 West Grant Line Road, Tracy** (APN 209-27-011) *no file found*
- ◆ **13880 West Grant Line Road, Tracy** (APN 209-27-030) *no file found*
- ◆ **13588 West Grant Line Road, Tracy** (APN 209-27-026) *files found*
- ◆ **No Reported Address** (APN 209-27-031) *no file found*

*called on  
07-26-10*

Per your request, I have enclosed the Public Records Release Request for these addresses/APNs. If records are on file, RBF would like to set up an appointment to review the available files. If there is anyway I can assist you in expediting this search request please let me know. Please do not hesitate to call me at **949-855-5747** with any questions you may have regarding this request.

Sincerely,

Kristen Bogue, REA, CEI  
Associate/Environmental Analyst  
Planning/Environmental Services

Enclosed

Public Records Release

## SAN JOAQUIN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

600 East Main St. Stockton, CA 95202-3029

Telephone: (209) 468-3420 Fax: (209) 464-0138 Web: www.sjgov.org/ehd

### PUBLIC RECORDS RELEASE APPLICATION

**APPLICANT:** Kristen Bogue **BUSINESS/AGENCY:** RBF Consulting  
**ADDRESS:** 14725 Alton Parkway **CITY/STATE/ZIP:** Irvine CA 92619  
**PHONE (1):** (949) 855-5747 **PHONE (2):** --- **FACSIMILE:** (949) 837-4122  
**TENTATIVE\* APPOINTMENT DATE:** \_\_\_\_\_ **Time:** \_\_\_\_\_  
 (Please allow 10 business days from date of application submittal - \*Tentative only - must be confirmed)

CHECK BOX TO EXPEDITE REQUEST - \$115 FEE (CASH OR CHECK ONLY) - REQUEST PROCESSED IN 3 BUSINESS DAYS

**SIGNATURE OF APPLICANT** [Signature] **DATE** 07-15-10

**Electronic Information:**  List  Map - Description: \_\_\_\_\_

FILE ADDRESS				EHD USE ONLY	
	Street #	Street Name	City		
1.	14010	West Grant Line Road	Tracy		<input type="checkbox"/> Unit 1
2.	14044	West Grant Line Road	Tracy		<input type="checkbox"/> Unit 2
3.	13588	West Grant Line Road	Tracy		
4.	13888	West Grant Line Road	Tracy		<input type="checkbox"/> Unit 3
5.					
6.					<input type="checkbox"/> Unit 4
7.					
8.					<input type="checkbox"/> Unit 5
9.					
10.					<input type="checkbox"/> Unit 6

Specific Date Range of Information Requested: From most oldest to current

#### ENVIRONMENTAL HEALTH DEPARTMENT FILES

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> UNDERGROUND TANK (UST) CLEANUP SITE (LOP)<br><input checked="" type="checkbox"/> OTHER CLEANUP SITE (NON-LOP)<br><input checked="" type="checkbox"/> UNDERGROUND TANK (MONITORING/REMOVAL)<br><input checked="" type="checkbox"/> HAZARDOUS WASTE GENERATOR<br><input type="checkbox"/> TIERED PERMITTED FACILITY<br><input type="checkbox"/> TATTOO/BODY PIERCING<br><input checked="" type="checkbox"/> MEDICAL WASTE FACILITY | <input checked="" type="checkbox"/> HOUSING ABATEMENT<br><input type="checkbox"/> FOOD FACILITY<br><input type="checkbox"/> DOG KENNEL<br><input type="checkbox"/> CHICKEN RANCH<br><input checked="" type="checkbox"/> MOTEL/HOTEL<br><input type="checkbox"/> POOL/SPA<br><input type="checkbox"/> OTHER (PLEASE SPECIFY) | <input checked="" type="checkbox"/> SOLID WASTE FACILITY/VEHICLE<br><input checked="" type="checkbox"/> WASTE TIRE<br><input checked="" type="checkbox"/> DAIRY<br><input checked="" type="checkbox"/> WASTEWATER TREATMENT PLANT<br><input checked="" type="checkbox"/> PUMPER TRUCK/YARD/CHEMICAL TOILETS<br><input type="checkbox"/> LAND USE APPLICATION SITES |
|--|---|--|

**WELL AND SEPTIC PERMIT RECORDS ARE AVAILABLE FOR REVIEW: MONDAY-FRIDAY 8:00 AM-5:00PM (EXCLUDING HOLIDAYS)**

1. List up to ten addresses in the space above. Select the type(s) of files from the list above by checking the appropriate box(es). At least one file type **MUST** be selected. Fax to (209) 464-0138 or mail to the address indicated above. Address ranges will not be accepted - for additional assistance with file addresses, contact the EHD. Applications received after 3:00 pm will be processed the next business day.
2. The EHD will notify the applicant if any EHD files exist. An appointment for review will be confirmed approximately ten (10) days after receipt of application. The files will be held for a maximum of five business days for review. Appointments should be scheduled accordingly.
3. A file that is actively being worked on by EHD staff may not be immediately available for review. A new application may be submitted when the file is available.
4. Any file not returned in the same condition as released will be reorganized by EHD staff at the expense of the applicant. Future file reviews by the same applicant may require a \$115 deposit prior to review.
5. If you need further assistance, please contact Diane Martinez, at (209) 468-3425.

EHD USE ONLY




July 15, 2010

JN 35-101038

**Tracy Fire Department**  
333 Civic Center Plaza  
Tracy, CA 95376  
Phone: (209) 831-6444  
Fax: (209) 831-6439

**Subject: Filios/Dobler Annexation Existing Hazardous Materials Conditions Assessment  
Public Records Request**

Dear Ms. Andrea Cipponeri:

This letter is in regards to properties located within the County of San Joaquin, California. RBF Consulting (RBF) is currently conducting an Existing Hazardous Materials Conditions Assessment for the City of Tracy for an approximate 40-acre annexation project. RBF would like to request publicly available files for the following on-site properties:

- ◆ **14010 West Grant Line Road, Tracy (APN 209-27-010)**
- ◆ **14044 West Grant Line Road, Tracy (APN 209-27-011)**
- ◆ **13880 West Grant Line Road, Tracy (APN 209-27-030)**
- ◆ **13588 West Grant Line Road, Tracy (APN 209-27-026)**
- ◆ **No Reported Address (APN 209-27-031)**

RBF would like to request a file records search of these addresses and APNs within the City's Fire Department Records. If records are on file, RBF would like to set up an appointment to review the available files. If there is anyway I can assist you in expediting this search request please let me know. Please do not hesitate to call me at **949-855-5747** with any questions you may have regarding this request.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kristen Bogue', is written over a horizontal line.

Kristen Bogue, REA, CEI  
Associate/Environmental Analyst  
Planning/Environmental Services

PLANNING ■ DESIGN ■ CONSTRUCTION

14725 Alton Parkway, Irvine, CA 92618-2027 ■ P.O. Box 57057, Irvine, CA 92619-7057 ■ 949.472.3505 ■ FAX 949.837-4122

Offices located throughout California, Arizona & Nevada ■ [www.RBF.com](http://www.RBF.com)



July 15, 2010

JN 35-101038

**Regional Water Quality Control Board**

Attention: Custodian of Records  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114  
Phone: (916) 464-3291  
Fax: (916) 464-4645

**SUBJECT: Filios/Dobler Annexation Existing Hazardous Materials Conditions Assessment  
Public Records Request**

Dear Custodian of Records:

This letter is in regards to properties located within the County of San Joaquin, California. RBF Consulting (RBF) is currently conducting an Existing Hazardous Materials Conditions Assessment for the City of Tracy for an approximate 40-acre annexation project. RBF would like to request publicly available files for the following on-site properties:

- ◆ **14010 West Grant Line Road, Tracy (APN 209-27-010)**
- ◆ **14044 West Grant Line Road, Tracy (APN 209-27-011)**
- ◆ **13880 West Grant Line Road, Tracy (APN 209-27-030)**
- ◆ **13588 West Grant Line Road, Tracy (APN 209-27-026)**
- ◆ **No Reported Address (APN 209-27-031)**

RBF would like to request a file search of these addresses within the Board's database. If records are on file, RBF would also like to set up a file review for the above-mentioned properties. If there is anyway I can assist you in expediting this search request please let me know. Please do not hesitate to call me at **949-855-5747** with any questions you may have regarding this request.

Sincerely,

A handwritten signature in black ink, appearing to read 'KB', is written over a horizontal line. The signature is positioned above the typed name and title of the sender.

Kristen Bogue, REA, CEI  
Associate/Environmental Analyst  
Planning/Environmental Services

PLANNING ■ DESIGN ■ CONSTRUCTION

14725 Alton Parkway, Irvine, CA 92618-2027 ■ P.O. Box 57057, Irvine, CA 92619-7057 ■ 949.472.3505 ■ FAX 949.837-4122

Offices located throughout California, Arizona & Nevada ■ [www.RBF.com](http://www.RBF.com)



# California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Linda S. Adams  
Secretary for  
Environmental  
Protection

11020 Sun Center Drive #200, Rancho Cordova, California 95670-6114  
Phone (916) 464-3291 • FAX (916) 464-4645  
<http://www.waterboards.ca.gov/centralvalley>

Arnold  
Schwarzenegger  
Governor

July 16, 2010

RECEIVED

Kristen Bogue, REA, CEI  
RBF Consulting  
14725 Alton Parkway  
Irvine, CA 92618-2027

JUL 19 2010  
RBF CONSULTING

## PUBLIC RECORDS REQUEST

Ms. Bogue,

At the present time we are unable to conduct searches by APN numbers. In response to your Public Record Request of July 15, 2010 no records were found for the following addresses: (APN 209-27-031);

14010 West Grant Line Road, Tracy (APN 209-27-010), 14044 West Grant Line Road, Tracy (APN 209-27-011) 13880 West Grant Line Road, Tracy (APN 209-27-030), or 13588 West Grant Line Road, Tracy, (APN 209-27-026).

Your search was conducted with the GEO Tracker database, available for public access at <http://www.geotracker.waterboards.ca.gov/>.

In addition to Geo Tracker, the California Integrated Water Quality Systems (CIWQ's) database was also used in the search, and is available for public access at [http://www.waterboards.ca.gov/centralvalley/resources/data\\_databases/](http://www.waterboards.ca.gov/centralvalley/resources/data_databases/).

In addition to Geo Tracker, the California Storm water Multiple Applications and Report Tracking System (Smarts) was also used in the search, and is available for public access at <http://smarts.waterboards.ca.gov>.

Regards,

Mary Ann Walton  
Public Records Coordinator / Receptionist  
Phone: 916-464-3291  
FAX: 916-464-4645

**California Environmental Protection Agency**



July 15, 2010

JN 35-101038

**Department of Toxic Substances Control**

Attention: Custodian of Records  
700 Heinz Avenue Suite 200  
Berkeley, CA 94710-2721  
Phone: (510) 540-2122  
Fax: (510) 540-3738

**SUBJECT: Garrett Ranch Phase I Environmental Site Assessment; File Records Search**

Dear Custodian of Records:

This letter serves as a request for a file/search review for a property located within Unincorporated County of San Joaquin, California. RBF Consulting (RBF) is currently conducting an Existing Hazardous Materials Conditions Assessment for the City of Tracy for an approximate 40-acre annexation project. RBF would like to request publicly available files for the following on-site properties:

- ◆ **14010 West Grant Line Road, Tracy (APN 209-27-010)**
- ◆ **14044 West Grant Line Road, Tracy (APN 209-27-011)**
- ◆ **13880 West Grant Line Road, Tracy (APN 209-27-030)**
- ◆ **13588 West Grant Line Road, Tracy (APN 209-27-026)**
- ◆ **No Reported Address (APN 209-27-031)**

RBF would like to request a file search of these properties within the Department's database. If records are on file, RBF would also like to set up a file review for the above-mentioned properties. If there is anyway I can assist you in expediting this search request please let me know. Please do not hesitate to call me at **949-855-5747** with any questions you may have regarding this request.

Sincerely,

A handwritten signature in black ink, appearing to read 'KB', is written over a horizontal line.

Kristen Bogue, REA, CEI  
Associate/Environmental Analyst  
Planning/Environmental Services

PLANNING ■ DESIGN ■ CONSTRUCTION

14725 Alton Parkway, Irvine, CA 92618-2027 ■ P.O. Box 57057, Irvine, CA 92619-7057 ■ 949.472.3505 ■ FAX 949.837-4122

Offices located throughout California, Arizona & Nevada ■ [www.RBF.com](http://www.RBF.com)



## Department of Toxic Substances Control



Linda S. Adams  
Secretary for  
Environmental Protection

Maziar Movassaghi  
Acting Director  
700 Heinz Avenue  
Berkeley, California 94710-2721



Arnold Schwarzenegger  
Governor

July 19, 2010

RECEIVED

JUL 26 2010  
RBF CONSULTING

Kristen Bogue  
RBF Consulting  
14725 Alton Parkway  
Irvine, CA 92618-2027

**PUBLIC RECORDS ACT REQUEST DATED: 07/15/10 FAX**

**SUBJECT(S): 10410, 14044, 13880, 13588 West Grant Line Road in Tracy**

**PR # 02-07-15-10-01**

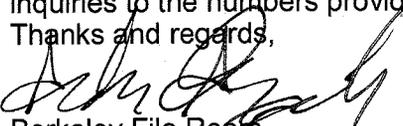
Dear Ms. Bogue:

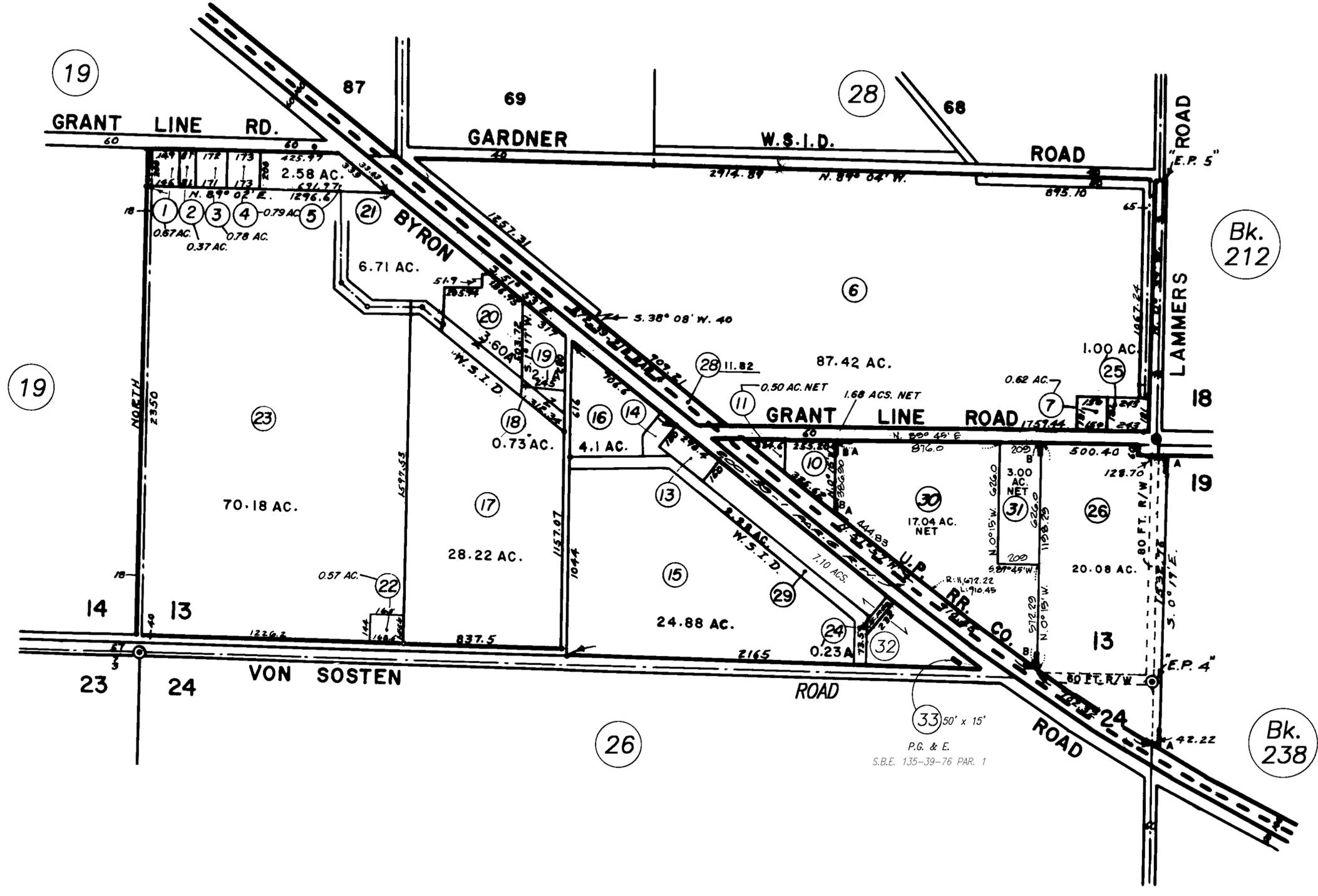
We have received your Public Records Act Request for information from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the site(s) referenced above.

If you have any questions regarding this request, or require information for additional sites, please direct your inquiries to the numbers provided below.

Thanks and regards,

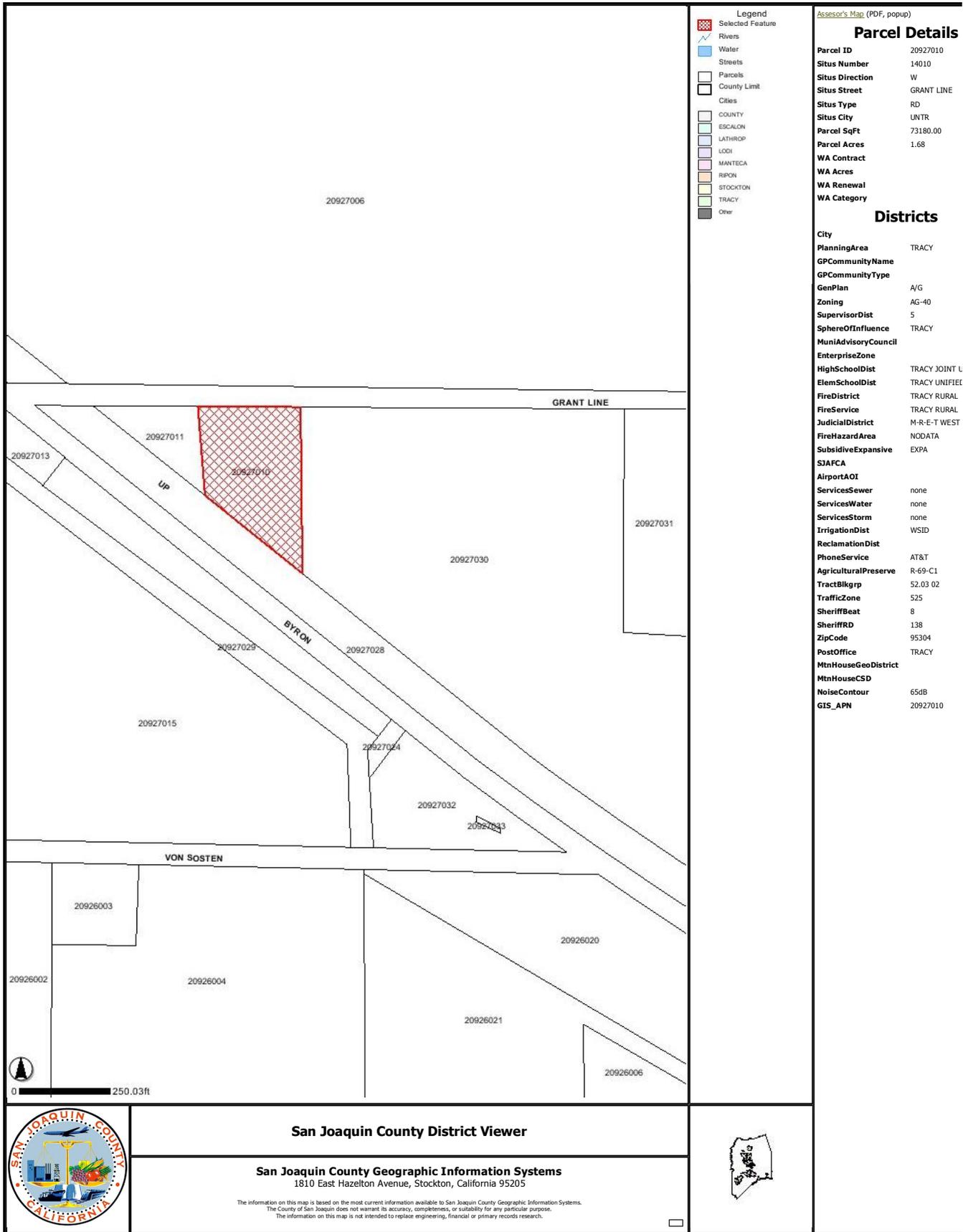
  
Berkeley File Room  
DTSC Berkeley Regional Office  
Direct: 510.540.3800  
Fax: 510.540.3801  
e-mail: [berkeleyfileroom@dtsc.ca.gov](mailto:berkeleyfileroom@dtsc.ca.gov)

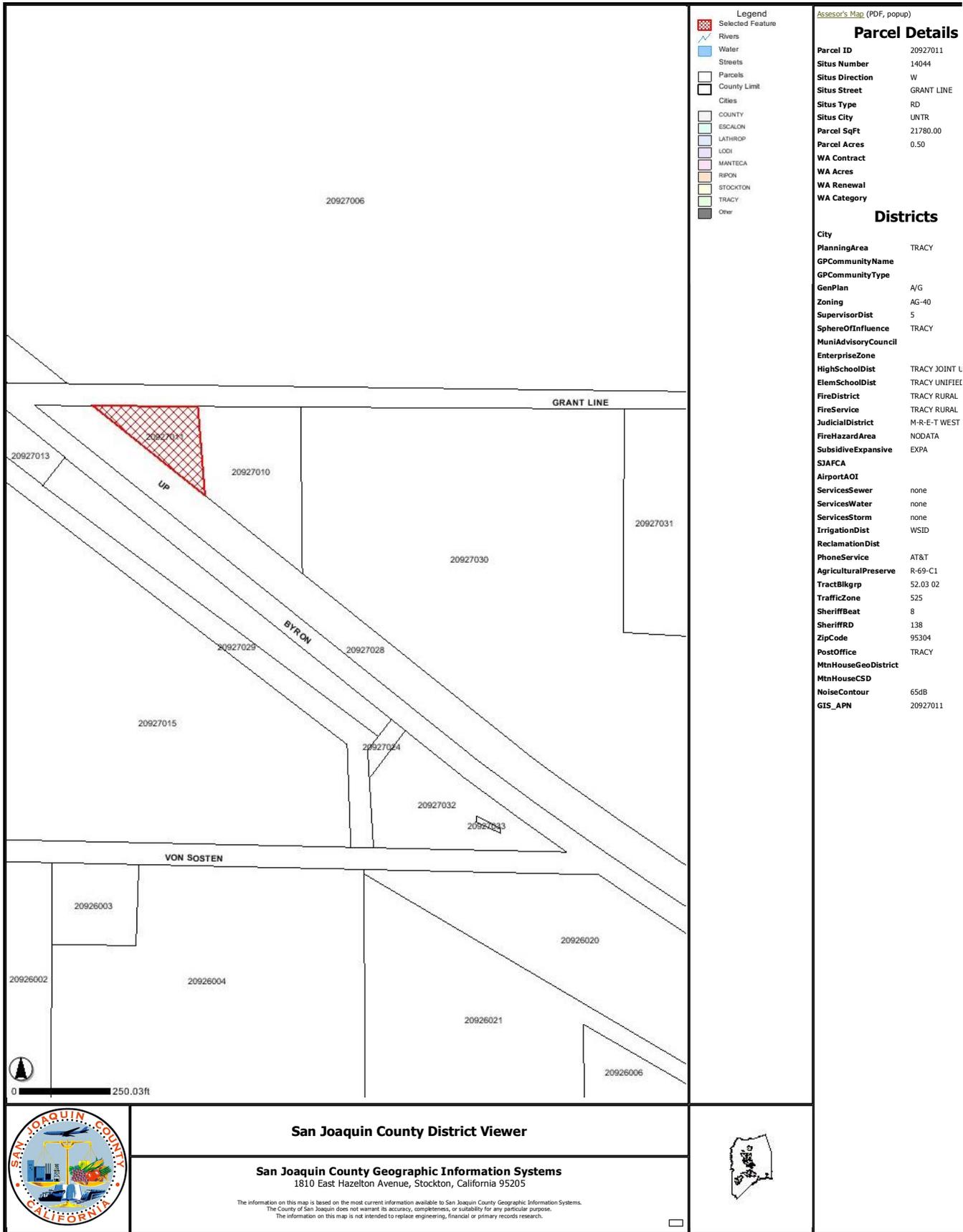


HIGHEST A.P.N. USED			
YEAR	PAR. #	PAR. #	PAR. #
85-86	31		
04-05	33		

B - P. M. Bk. 07 Pg. 199  
 A - P. M. Bk. 04 Pg. 049  
 R. S. Bk. 01 Pg. 050

NOTE: Assessor's Parcel Numbers Shown in Circles.  
 Assessor's Block Numbers Shown in Ellipses.



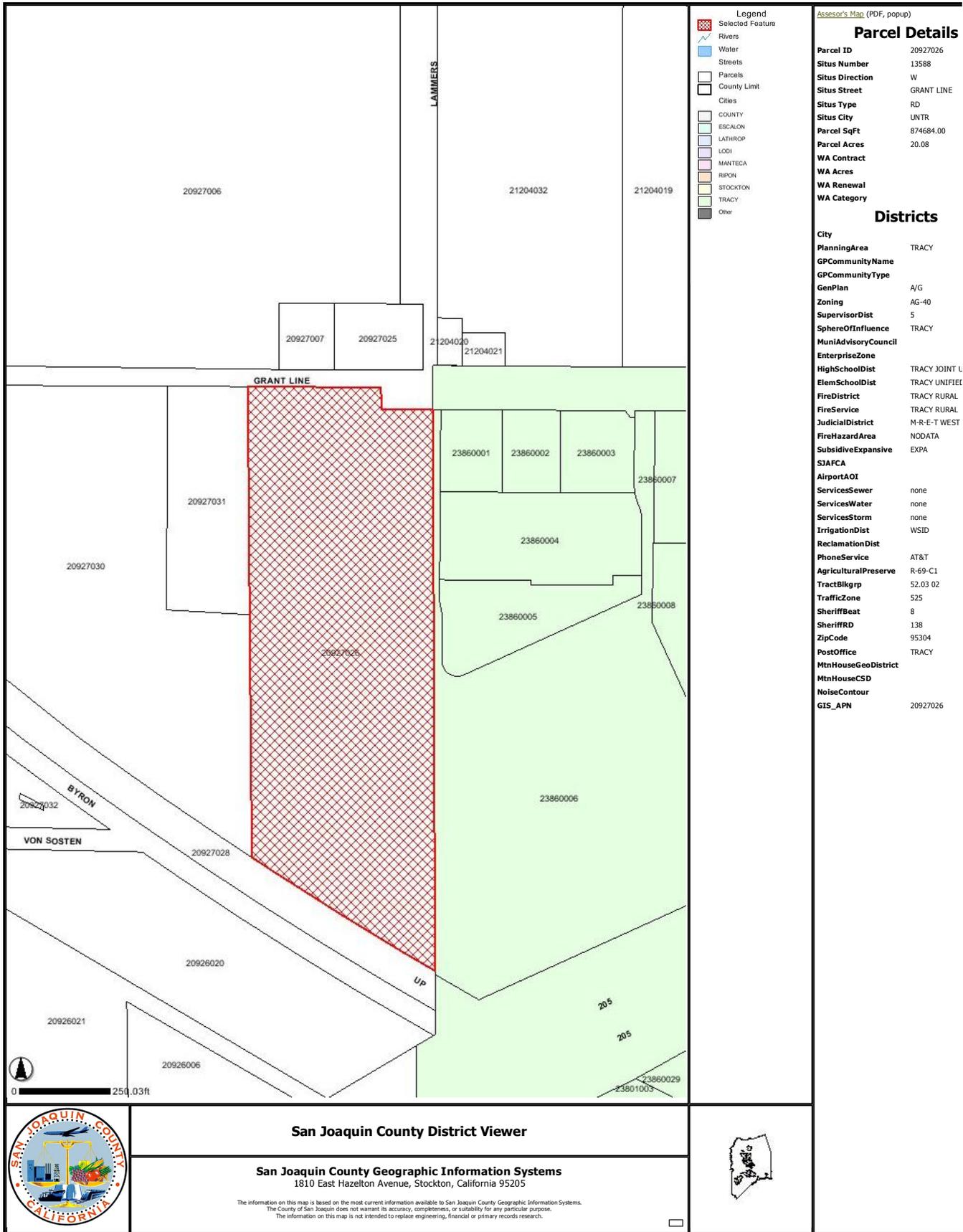


**San Joaquin County District Viewer**

**San Joaquin County Geographic Information Systems**  
 1810 East Hazelton Avenue, Stockton, California 95205

The information on this map is based on the most current information available to San Joaquin County Geographic Information Systems. The County of San Joaquin does not warrant its accuracy, completeness, or suitability for any particular purpose. The information on this map is not intended to replace engineering, financial or primary records research.





- Legend**
- Selected Feature
  - Rivers
  - Water
  - Streets
  - Parcels
  - County Limit
  - Cities
  - COUNTY
  - ESCALON
  - LATHROP
  - LODI
  - MANTECA
  - RIPON
  - STOCKTON
  - TRACY
  - Other

Assessor's Map (PDF, popup)

### Parcel Details

<b>Parcel ID</b>	20927026
<b>Situs Number</b>	13588
<b>Situs Direction</b>	W
<b>Situs Street</b>	GRANT LINE
<b>Situs Type</b>	RD
<b>Situs City</b>	UNTR
<b>Parcel SqFt</b>	874684.00
<b>Parcel Acres</b>	20.08
<b>WA Contract</b>	
<b>WA Acres</b>	
<b>WA Renewal</b>	
<b>WA Category</b>	

### Districts

<b>City</b>	TRACY
<b>PlanningArea</b>	TRACY
<b>GPCommunityName</b>	
<b>GPCommunityType</b>	
<b>GenPlan</b>	A/G
<b>Zoning</b>	AG-40
<b>SupervisorDist</b>	5
<b>SphereOfInfluence</b>	TRACY
<b>MuniAdvisoryCouncil</b>	
<b>EnterpriseZone</b>	
<b>HighSchoolDist</b>	TRACY JOINT L
<b>ElemSchoolDist</b>	TRACY UNIFIED
<b>FireDistrict</b>	TRACY RURAL
<b>FireService</b>	TRACY RURAL
<b>JudicialDistrict</b>	M-R-E-T WEST
<b>FireHazardArea</b>	NODATA
<b>SubsidiiveExpansive</b>	EXPA
<b>SJAFA</b>	
<b>AirportAOI</b>	
<b>ServicesSewer</b>	none
<b>ServicesWater</b>	none
<b>ServicesStorm</b>	none
<b>IrrigationDist</b>	WSID
<b>ReclamationDist</b>	
<b>PhoneService</b>	AT&T
<b>AgriculturalPreserve</b>	R-69-C1
<b>TractBkgrp</b>	52.03 02
<b>TrafficZone</b>	525
<b>SheriffBeat</b>	8
<b>SheriffRD</b>	138
<b>ZipCode</b>	95304
<b>PostOffice</b>	TRACY
<b>MtnHouseGeoDistrict</b>	
<b>MtnHouseCSD</b>	
<b>NoiseContour</b>	
<b>GIS_APN</b>	20927026

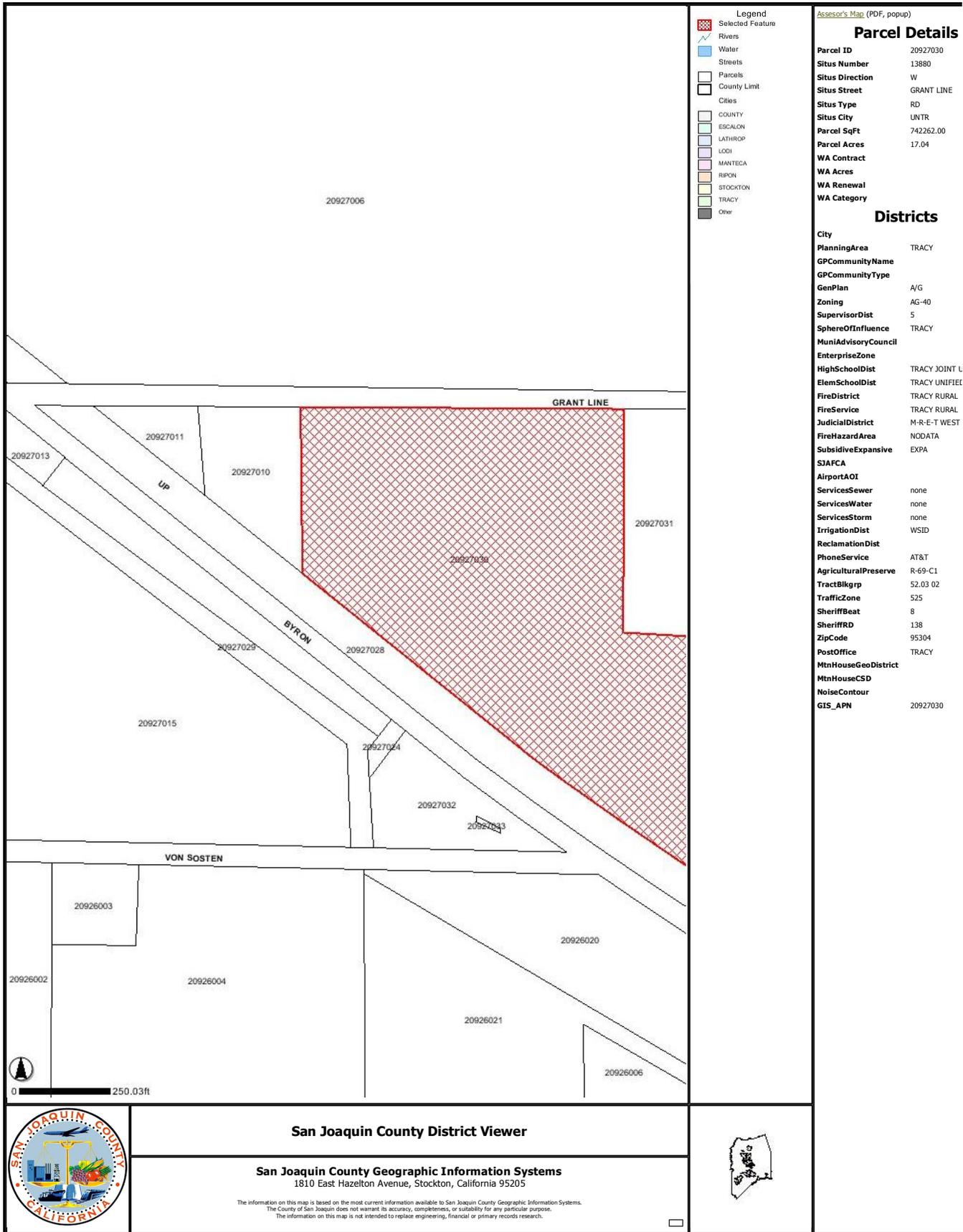


**San Joaquin County District Viewer**

**San Joaquin County Geographic Information Systems**  
 1810 East Hazelton Avenue, Stockton, California 95205

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- Legend**
- Selected Feature
  - Rivers
  - Water
  - Streets
  - Parcels
  - County Limit
  - Cities
  - COUNTY
  - ESCALON
  - LATHROP
  - LODI
  - MANTEGA
  - RIPON
  - STOCKTON
  - TRACY
  - Other

[Assessor's Map \(PDF, popup\)](#)

**Parcel Details**

<b>Parcel ID</b>	20927030
<b>Situs Number</b>	13880
<b>Situs Direction</b>	W
<b>Situs Street</b>	GRANT LINE
<b>Situs Type</b>	RD
<b>Situs City</b>	UNTR
<b>Parcel SqFt</b>	742262.00
<b>Parcel Acres</b>	17.04
<b>WA Contract</b>	
<b>WA Acres</b>	
<b>WA Renewal</b>	
<b>WA Category</b>	

**Districts**

<b>City</b>	TRACY
<b>PlanningArea</b>	TRACY
<b>GPCommunityName</b>	
<b>GPCommunityType</b>	
<b>GenPlan</b>	A/G
<b>Zoning</b>	AG-40
<b>SupervisorDist</b>	5
<b>SphereOfInfluence</b>	TRACY
<b>MuniAdvisoryCouncil</b>	
<b>EnterpriseZone</b>	
<b>HighSchoolDist</b>	TRACY JOINT L
<b>ElemSchoolDist</b>	TRACY UNIFIED
<b>FireDistrict</b>	TRACY RURAL
<b>FireService</b>	TRACY RURAL
<b>JudicialDistrict</b>	M-R-E-T WEST
<b>FireHazardArea</b>	NODATA
<b>SubsidiveExpansive</b>	EXPA
<b>SJAFCAs</b>	
<b>AirportAOI</b>	
<b>ServicesSewer</b>	none
<b>ServicesWater</b>	none
<b>ServicesStorm</b>	none
<b>IrrigationDist</b>	WSID
<b>ReclamationDist</b>	
<b>PhoneService</b>	AT&T
<b>AgriculturalPreserve</b>	R-69-C1
<b>TractBikgrp</b>	52.03 02
<b>TrafficZone</b>	525
<b>SheriffBeat</b>	8
<b>SheriffRD</b>	138
<b>ZipCode</b>	95304
<b>PostOffice</b>	TRACY
<b>MtnHouseGeoDistrict</b>	
<b>MtnHouseCSD</b>	
<b>NoiseContour</b>	
<b>GIS_APN</b>	20927030

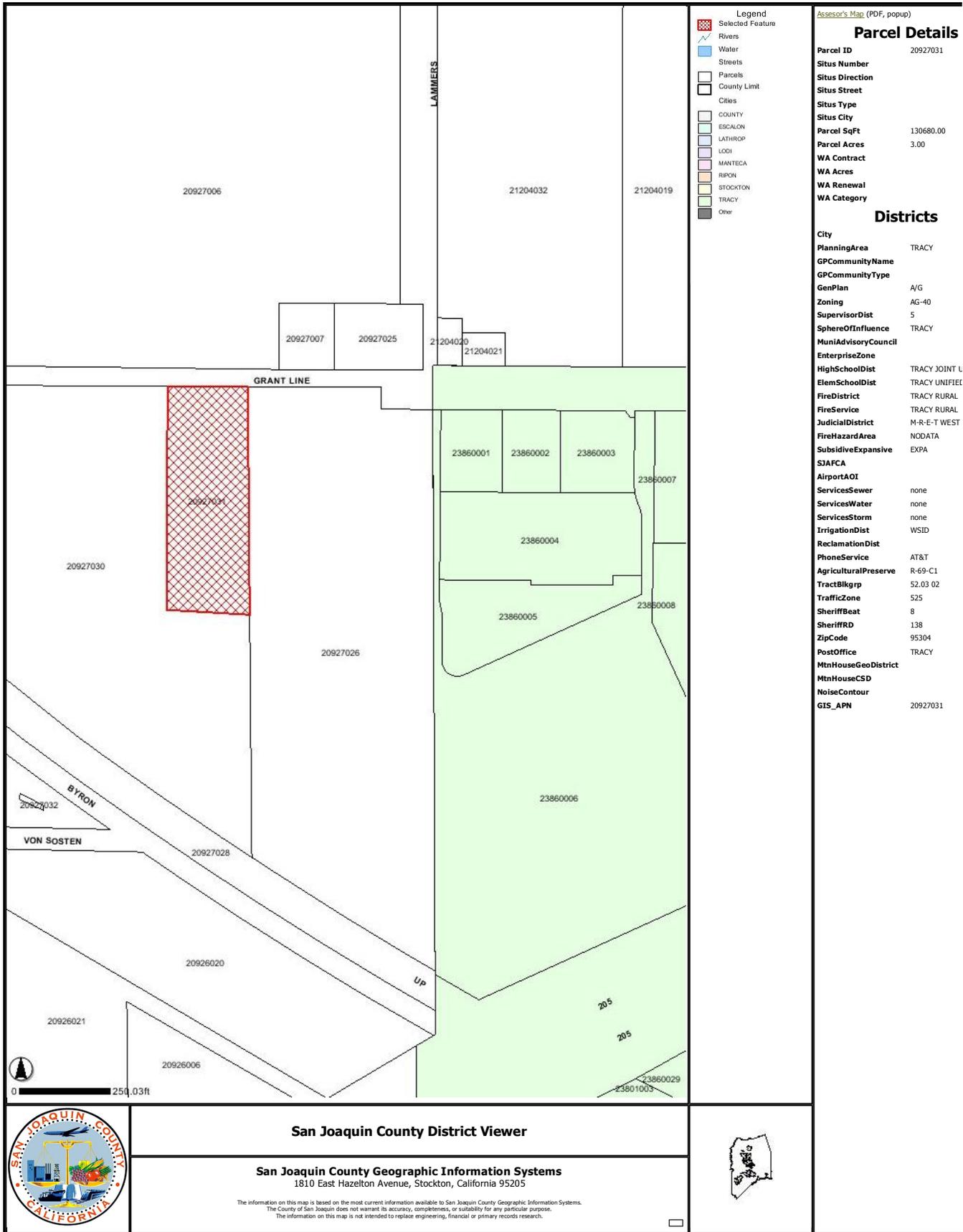


**San Joaquin County District Viewer**

**San Joaquin County Geographic Information Systems**  
 1810 East Hazelton Avenue, Stockton, California 95205

The information on this map is based on the most current information available to San Joaquin County Geographic Information Systems. The County of San Joaquin does not warrant its accuracy, completeness, or suitability for any particular purpose. The information on this map is not intended to replace engineering, financial or primary records research.





Assessor's Map (PDF, popup)

**Parcel Details**

Parcel ID	20927031
Situs Number	
Situs Direction	
Situs Street	
Situs Type	
Situs City	
Parcel SqFt	130680.00
Parcel Acres	3.00
WA Contract	
WA Acres	
WA Renewal	
WA Category	

**Districts**

City	TRACY
PlanningArea	TRACY
GPCommunityName	
GPCommunityType	
GenPlan	A/G
Zoning	AG-40
SupervisorDist	5
SphereOfInfluence	TRACY
MuniAdvisoryCouncil	
EnterpriseZone	
HighSchoolDist	TRACY JOINT L
ElemSchoolDist	TRACY UNIFIED
FireDistrict	TRACY RURAL
FireService	TRACY RURAL
JudicialDistrict	M-R-E-T WEST
FireHazardArea	NODATA
SubsidiveExpansive	EXPA
SJAFA	
AirportAOI	
ServicesSewer	none
ServicesWater	none
ServicesStorm	none
IrrigationDist	WSID
ReclamationDist	
PhoneService	AT&T
AgriculturalPreserve	R-69-C1
TractBkgrp	52.03 02
TrafficZone	525
SheriffBeat	8
SheriffRD	138
ZipCode	95304
PostOffice	TRACY
MtnHouseGeoDistrict	
MtnHouseCSD	
NoiseContour	
GIS_APN	20927031



**San Joaquin County District Viewer**

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1810 East Hazelton Avenue, Stockton, California 95205

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July 15, 2010

JN 35-101038

**County of San Joaquin Building Department**

1810 E. Hazelton Avenue  
Stockton, CA 95205-6298  
Phone: (209) 468-3121  
Fax: (209) 468-3163

**Subject: Filios/Dobler Annexation Existing Hazardous Materials Conditions Assessment  
Public Building Permit Review Request**

Dear staff:

This letter is in regards to properties located within the County of San Joaquin, California. RBF Consulting (RBF) is currently conducting an Existing Hazardous Materials Conditions Assessment for the City of Tracy for an approximate 40-acre annexation project. RBF would like to request publicly available building permits for the following four (4) on-site addresses:

- ◆ 14010 West Grant Line Road, Tracy (APN 209-27-010)
- ◆ 14044 West Grant Line Road, Tracy (APN 209-27-011)
- ◆ 13880 West Grant Line Road, Tracy (APN 209-27-030)
- ◆ 13588 West Grant Line Road, Tracy (APN 209-27-026)

RBF would like to request a building records search of these addresses within the County's Building Records. If records are on file, RBF would also like to send a check for copies of all available building records of file and have them mailed to the address on this letterhead (attention Kristen Bogue, MS 455). If there is anyway I can assist you in expediting this search request please let me know. Please do not hesitate to call me at **949-855-5747** with any questions you may have regarding this request.

Sincerely,

Kristen Bogue, REA, CEI  
Associate/Environmental Analyst  
Planning/Environmental Services

*staff called on  
July 15, 2010 -  
no records for APNs  
209-27-026 and -010  
Other records faxed to  
RBF on July 15, 2010*

PLANNING ■ DESIGN ■ CONSTRUCTION

14725 Alton Parkway, Irvine, CA 92618-2027 ■ P.O. Box 57057, Irvine, CA 92619-7057 ■ 949.472.3505 ■ FAX 949.837-4122

Offices located throughout California, Arizona & Nevada ■ [www.RBF.com](http://www.RBF.com)

Post-it® Fax Note	7671	Date	7/15/10	# of Pages	6
To	Krista Brown	From	Val Brown		
Co./Dept.	BEA	Co.	CDD		
Phone	449-472-3505	Phone	209-468-3146		
Fax	449-837-4122	Fax	209-468-3163		



# Building Permit

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
 1610 E. HAZELTON AVENUE, STOCKTON, CA 95206  
 BUSINESS PHONE (209) 468-3123  
 REQUEST FOR INSPECTION PHONE (209) 468-3168 (24 HOUR RECORDER)

<b>SITE LOCATION INFORMATION</b>	<b>PERMIT NUMBER:</b>	<b>BP-9402978</b>
Job Site Address: <b>13880 W GRANT LINE RD TRAC</b>		
Cross Street: <b>BYRON</b>	APN: <b>209-270-30</b>	
<b>SCOPE OF WORK</b>		
AG BUILDING		

<b>OWNER NAME AND ADDRESS</b>		<b>APPLICANT NAME AND ADDRESS</b>	
Name: <b>HANFIELD, RICHARD K &amp; D M</b>		Name: <b>OKIE BARN BUILDERS INC</b>	
Address: <b>13880 GRANT LINE RD TRACT, CA</b>		Address: <b>448 W. CLAUSER RD TURLOCK, CA</b>	
Zip: <b>953760000</b>	Ph: <b></b>	Zip: <b>95380</b>	Ph: <b>209-634-0041</b>
<b>CONTRACTOR INFORMATION</b>		<b>DESIGNER INFORMATION</b>	
Name: <b>OKIE BARN BUILDERS INC</b>		Name: <b></b>	
Address: <b>448 W. CLAUSER RD TURLOCK, CA 95380</b>		Address: <b></b>	
Lic. No: <b>609110</b>	Ph: <b>209-634-0041</b>	Lic. No: <b></b>	Ph: <b></b>

DEVELOPMENT FEES	
Fee Item/Location:	
Building.....	108.00
Plan Check.....	70.20
IMP.....	.84
Electrical.....	.00
Plumbing.....	.00
Mechanical.....	.00
Energy/Handicap.....	.00
Microfilm.....	3.00

BUILDING INFORMATION			
Total Sq Ft: <b>1,200</b>	Occupancy: <b>M-3</b>	Constr. Type: <b>V-M</b>	Valuation: <b>8,400.00</b>
Accepted By: <b>CO</b>	Approved By: <b>D ROCK</b>	Appled Date: <b>10/23/1994</b>	Issue Date: <b>11/16/1994</b>

BP-9402978



*Trms.*

ADDRESS: <i>13880 N Grant Line Rd</i>				BUILDING PERMIT NUMBER: <i>9402978</i>			
OWNER: <i>Manfield, Richard</i>				APPLICATION DATE: <i>10-21-94</i>			
CONTRACTOR: <i>Okie Rain Builders</i>				ISSUE DATE: <i>11-14-94</i>			
CONTRACTOR'S PHONE: <i>434-0041</i>				FINAL DATE: <i>12-12-94</i>			
NO	OPERATION	DATE	REP	NO	OPERATION	DATE	REP
<b>BUILDING APPROVALS</b>				<b>MECHANICAL APPROVALS</b>			
<i>20</i>	Brickade (Chimney)	<i>11</i>	<i>1</i>	25	Duct System - Underfloor Overhead		
<i>20</i>	Footings and Forms, Soil Report, Engineer Inspection Verbal _____ Report _____	<i>11-19-94</i>	<i>2</i>	26	Gas Vents		
3	Stairs			27	Heating Appliances		
4	Underfloor Structure			28	Cooling Appliances		
5	Insulation - Underfloor			29	Commercial Hood		
6	Roof Sheathing			30	Fire Damper		
7	Rough Building			31	Final		
8	Fireplaces			<b>ELECTRICAL APPROVALS</b>			
9	Insulation - Walls			32	Power Pole		
10	Sheetrock Nod			33	Underground		
11	Brick Lath			34	Rough Wiring		
12	Sheetrock			35	Service		
13	Block _____			36	Final		
14	T&I Panels _____			<b>SWIMMING POOL/SPA APPROVALS</b>			
15	Comments _____			37	Pre-Currite Steel and Bonding		
<i>20</i>	Final	<i>12-12-94</i>	<i>2</i>	38	Water Piping		
<b>PLUMBING APPROVALS</b>				<b>ADDITIONAL INFORMATION</b>			
17	Underground			<i>INFO - 11-23-94</i>			
18	Rough						
19	Topout						
20	Gas Test						
21	Gas Service						
22	Water Service						
23	Bower Connection						
24	Final						
<b>OTHER REQUIREMENTS</b>			Y	N	<b>EXTENSION PRIOR TO ISSUE</b>		
CERTIFICATE OF OCCUPANCY REQUIRED					<b>EXTENSION AFTER ISSUE</b>		
SPECIAL INSPECTION REQUIRED					<b>PERMIT RENEWAL</b>		
GRADING PERMIT REQUIRED					<b>EXTENSION AFTER RENEWAL</b>		
OTHER					<b>PERMIT EXPIRED</b>		

13880 N. GRANT LINE RD, TRACT SP-9402978  
MANFIELD, RICHARD

*20 9402978*



# Building Permit

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
 1810 E. HAZELTON AVENUE, STOCKTON, CA 95209  
 BUSINESS PHONE (209) 468-3123  
 REQUEST FOR INSPECTION PHONE (209) 468-3128 (24 HOUR RECORDER)

<b>SITE LOCATION INFORMATION</b>		<b>PERMIT NUMBER: BP-9201086</b>	
Job Site Address: <b>13880 W GRANT LINE RD TRAC</b>			
Cross Street: <b>BYRON</b>		APN:	
<b>SCOPE OF WORK</b>			
ATTACHED: <b>PATIO COVER TO 878-1030-02140</b>			

<b>OWNER NAME AND ADDRESS</b>		<b>APPLICANT NAME AND ADDRESS</b>	
Name:		Name: <b>CEDES AMILIND COMPANY</b>	
Address:		Address: <b>PO BOX 426</b>	
City, State, Zip:		City, State, Zip: <b>STOCKTON, CA 95207</b>	
Phone: <b>209-537-4808</b>		Phone: <b>209-537-4808</b>	
<b>CONTRACTOR INFORMATION</b>		<b>DESIGNER INFORMATION</b>	
Name: <b>CEDES AMILIND COMPANY</b>		Name:	
Address: <b>PO BOX 426</b>		Address:	
City, State, Zip: <b>STOCKTON, CA 95207</b>		City, State, Zip:	
Lic. No: <b>500289</b>		Lic. No:	
Phone: <b>209-537-4808</b>		Phone:	

<b>DEVELOPMENT FEES</b>	
Fee Identification:	
Building.....	43.00
Plan Check.....	.00
SWP.....	.50
Electrical.....	.00
Plumbing.....	.00
Mechanical.....	.00
Energy/Handicap.....	.00
Microfilm.....	2.00
9201086	

<b>BUILDING INFORMATION</b>			
Total Sq Ft: <b>300</b>	Occupancy: <b>R-1</b>	Const. Type: <b>V-B</b>	Valuation: <b>3,030.0</b>
Accepted By: <b>RT</b>	Approved By: <b>RT</b>	Applied Date: <b>07/27/1998</b>	Issue Date: <b>07/27/1998</b>

ADDRESS: 13800 W. ALANT LIL				BUILDING PERMIT NUMBER: 9201086			
OWNER: Mansfield, Richard				APPLICATION DATE: 7-27-92			
CONTRACTOR: Ceas Building				ISSUE DATE: 7-27-92			
CONTRACTOR'S PHONE: 537-4909				FINAL DATE: 8-7-92			
NO	OPERATION	DATE	INSP	NO	OPERATION	DATE	INSP
<b>BUILDING APPROVALS</b>				<b>MECHANICAL APPROVALS</b>			
1	Setbacks (Orientation)			25	Dust System - Underfloor Exhaust		
2	Footings and Form, Sells Report, Engineer Inspection Verbal Report			26	Gas Vents		
3	Slabs			27	Roofing Appliances		
4	Underfloor Structure			28	Roofing Appliances		
5	Insulation - Underfloor			29	Commercial Wood		
6	Roof Sheathing			30	Fire Gasper		
7	Roof Building			31	Final		
8	Roofing			<b>ELECTRICAL APPROVALS</b>			
9	Insulation - Walls			32	Power Pole		
10	Sheetrock Wall			33	Underground		
11	Stucco Lath			34	Rough Wiring		
12	Sheetrock			35	Service		
13	Block			36	Final		
14	Vill Panels			<b>SWIMMING POOL/SPA APPROVALS</b>			
15	Columns			37	Pre-Units Steel and Rendon		
16	Final			38	Water Piping		
<b>PLUMBING APPROVALS</b>				39	Underground Electrical		
17	Underground			40	Gas Piping		
18	Rough			41	Pre-Deck		
19	Tapout			42	Pre-Plaster		
20	Gas Test			43	Final		
21	Gas Service			<b>ADDITIONAL INFORMATION</b>			
22	Water Service						
23	Sanitary Connection						
24	Final						
<b>OTHER REQUIREMENTS</b>			YES	NO			
CERTIFICATE OF OCCUPANCY REQUIRED:							
SPECIAL INSPECTION REQUIRED:							
GRADING PERMIT REQUIRED:							

13800 W. ALANT LIL RD, ST. JOSEPH, MO 64506

9201086



# Building Permit

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
1810 E. HAZELTON AVENUE, STOCKTON, CA 95208  
BUSINESS PHONE (209) 498-3123  
REQUEST FOR INSPECTION PHONE (209) 498-3188 (24 HOUR RECORDER)

**BP-9902547**

Job Site Address: 14044 W GRANT LINE RD TRAC

Cross St: BYRON

APN: 209-270-11

**Scope of Work: MOBILE HOME ON PERMANENT FOUNDATION**

<b>NAME:</b> POOL, DARYL & IRIS <b>ADDRESS:</b> 14010 W GRANT LINE TRACY CA <b>Zip:</b> 95378 <b>Phone:</b>	<b>NAME:</b> CONTRACTOR <b>ADDRESS:</b> <b>Zip:</b> <b>Phone:</b>
<b>NAME:</b> 1640 EAST YOSEMITE AVE <b>ADDRESS:</b> MANTECA, CA <b>Lic. No.:</b> 787102 <b>Phone:</b> 209-238-1160	

**FEE IDENTIFICATION:**

Building .....	\$315.50
Plan Check .....	\$205.08
QMP .....	\$5.00
Electrical .....	\$75.00
Plumbing .....	\$75.00
Mechanical .....	\$40.00
Energy/Handicap .....	??
Microfilm .....	\$5.00

<b>Total Sq. Ft. 947</b>	<b>Occupancy: 17</b>	<b>Genl. Type:</b>	<b>Volume #: 209 948 10</b>
<b>Accepted By: RT</b>	<b>Approved: RD</b>	<b>Applied Date: 08/04/10</b>	<b>Issue Date: 08/23/10</b>

# BP-9902547

Building 8 (11/08)

ADDRESS: 14044 W. GRANT LANE				BUILDING PERMIT NO: 9902547			
CITY: TRACY				APPLICATION DATE: 9-4-99			
OWNER: POOL, DARYL				ISSUE DATE: 8-23-99			
CONTRACTOR: MATEBA HOMES				FINAL DATE: 9-25-99			
CONTRACTOR'S PHONE: 209-1150							

NO.	OPERATION	DATE	NO.	OPERATION	DATE	NO.	OPERATION	DATE	NO.	OPERATION	DATE
<b>BUILDING APPROVALS</b>						<b>MECHANICAL APPROVALS</b>					
1	Submits (Checklist)		26	Duct System - Underfloor Overhead		31	Final	9-25-99 AM			
2	Footings and Piers, State Report, Engineer Inspection, Verbal Report		28	Gas Valve		32	Heating Appliances				
3	Grub		29	Cooktop Appliances		33	Commercial Hood				
4	Underfloor Structure		30	Pan Dumper							
5	Insulation - Underfloor		<b>ELECTRICAL APPROVALS</b>								
6	Roof Sheathing		34	Power Pole							
7	Rough Building		35	Underground							
8	Plumbing		36	Rough Wiring							
9	Insulation - Walls		37	Service	9-3-99						
10	Sheetrock Int.		38	Final	9-18-99 AM						
11	Shower Lath		<b>SWIMMING POOL/SPA APPROVALS</b>								
12	Plaster		39	Pre-Curbs Floor and Bonding							
13	Block		40	Water Piping							
14	TR P. work		41	Underground Electrical							
15	Columns		42	Gas Piping							
16	Final	9-25-99 AM	43	Pre-Test							
<b>PLUMBING APPROVALS</b>						<b>ADDITIONAL INFORMATION</b>					
17	Underground		9-3-99 AM								
18	Rough		Set up OK								
19	Tested		Last test OK								
20	Gas Test		Install 9 Sept cert								
21	Gas Service		Based on conditions								
22	Water Service		9-18-99 AM Final P.R.								
23	Seems Connection										
24	Final	9-25-99 AM									

OTHER REQUIREMENTS	YES	NO	EXTENSION PRIOR TO ISSUE
CERTIFICATE OF OCCUPANCY REQUIRED			EXTENSION AFTER ISSUE
SPECIAL INSPECTION REQUIRED			PERMIT RENEWAL
GRADING PERMIT REQUIRED			EXTENSION AFTER RENEWAL
OTHER			PERMIT EXPIRED

14044 W. GRANT LANE, TRACY, CA 95304  
POOL, BATH

BP-9902547

**Filios/Dobler Annexation**

13588 W. Grant Line Road  
Tracy, CA 95304

Inquiry Number: 2816742.6  
July 19, 2010

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

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

#### **Disclaimer - Copyright and Trademark Notice**

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## 2009 Enhancements to EDR City Directory Abstract

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

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

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

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

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

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

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2000	Polk's City Directory	X	X	X	-
1996	Polk's City Directory	-	-	-	-
1991	Polk's City Directory	-	-	-	-
1986	Polk's City Directory	-	-	-	-
1981	Polk's City Directory	-	-	-	-
1976	Polk's City Directory	-	-	-	-
1971	Polk's City Directory	-	-	-	-
1965	Polk's City Directory	-	-	-	-
1959	Polk's City Directory	-	-	-	-

## EXECUTIVE SUMMARY

### SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
13880 W. Grant Line Road	Client Entered	X
14010 W. Grant Line Road	Client Entered	X
14044 W. Grant Line Road	Client Entered	
13588 W. Grant Line Road	Client Entered	X

## FINDINGS

### TARGET PROPERTY INFORMATION

#### ADDRESS

13588 W. Grant Line Road  
Tracy, CA 95304

#### FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	Not Verified	Polk's City Directory

# FINDINGS

## ADJOINING PROPERTY DETAIL

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

### W. Grant Line Road

#### **13880 W. Grant Line Road**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	Residential	Polk's City Directory

#### **14010 W. Grant Line Road**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	Residential	Polk's City Directory

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

13588 W. Grant Line Road

#### Address Not Identified in Research Source

1996, 1991, 1986, 1981, 1976, 1971, 1965, 1959

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

13880 W. Grant Line Road

14010 W. Grant Line Road

14044 W. Grant Line Road

#### Address Not Identified in Research Source

1996, 1991, 1986, 1981, 1976, 1971, 1965, 1959

1996, 1991, 1986, 1981, 1976, 1971, 1965, 1959

2000, 1996, 1991, 1986, 1981, 1976, 1971, 1965, 1959



**Filios/Dobler Annexation**

13588, 13880, 14044, 14010 W. Grant Line Road  
Tracy, CA 95304

Inquiry Number: 2816742.5

July 19, 2010

## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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

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**Date EDR Searched Historical Sources:**

Aerial Photography July 19, 2010

**Target Property:**

13588, 13880, 14044, 14010 W. Grant Line Road

Tracy, CA 95304

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1957	Aerial Photograph. Scale: 1"=555'	Flight Year: 1957	Cartwright
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	McDonald Douglas
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972 Best Copy Available from original source	Cartwright
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR



**INQUIRY #:** 2816742.5

**YEAR:** 1957

| = 555'



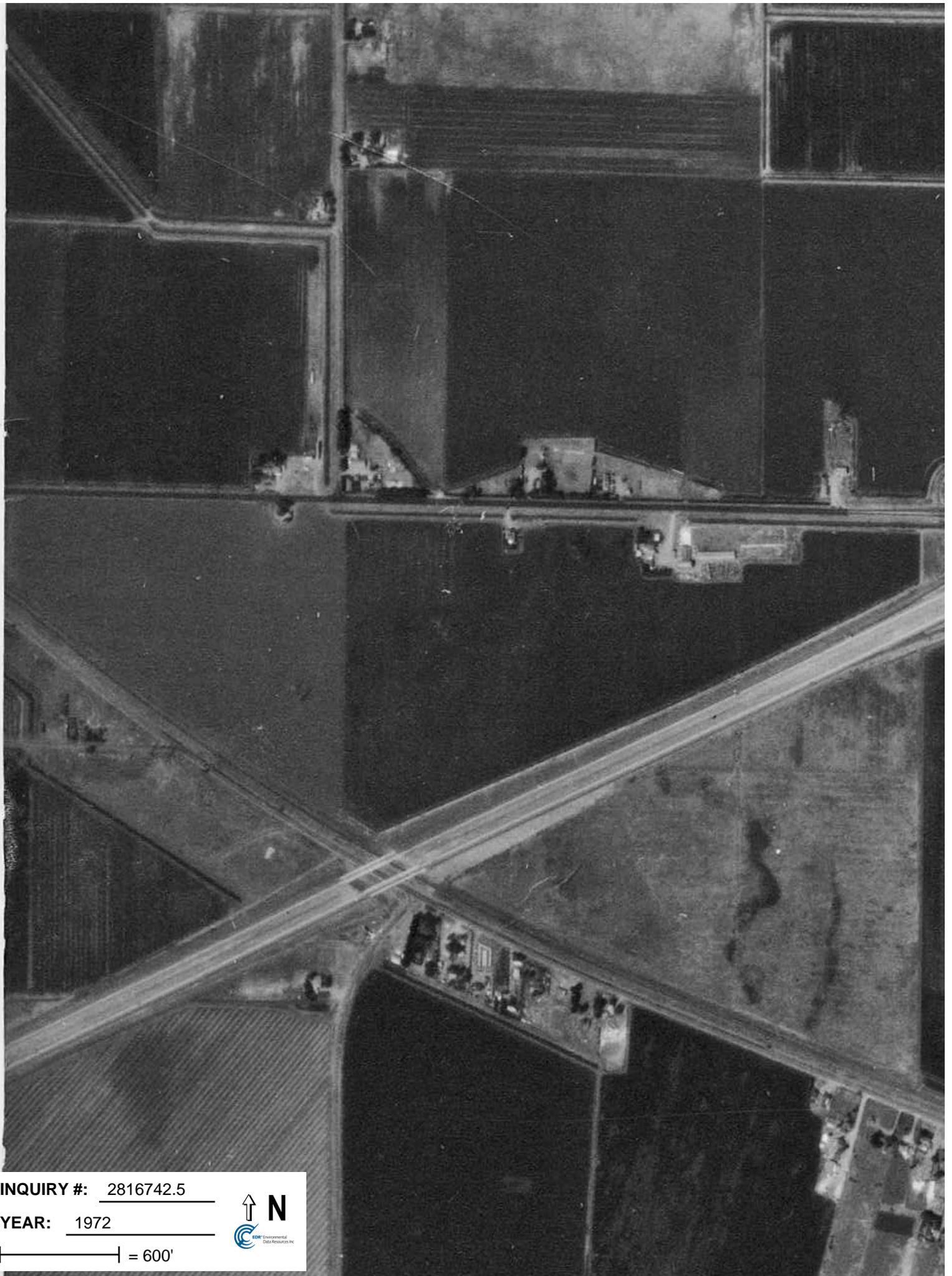


**INQUIRY #:** 2816742.5

**YEAR:** 1968

 = 500'





**INQUIRY #:** 2816742.5

**YEAR:** 1972

| = 600'





**INQUIRY #:** 2816742.5

**YEAR:** 1982

 = 690'



 ES&S Environmental Data Resources Inc.



**INQUIRY #:** 2816742.5

**YEAR:** 1993

 = 666'





**INQUIRY #:** 2816742.5

**YEAR:** 1998

 = 666'





**INQUIRY #:** 2816742.5

**YEAR:** 2005

**|** = 604'





**Filios/Dobler Annexation**

13588, 13880, 14044, 14010 W. Grant Line Road  
Tracy, CA 95304

Inquiry Number: 2816742.3

July 15, 2010



## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

7/15/10

**Site Name:**

Filios/Dobler Annexation  
13588, 13880, 14044, 14010  
Tracy, CA 95304

**Client Name:**

RBF Consulting  
14725 Alton Parkway  
Irvine, CA 92618



EDR Inquiry # 2816742.3

Contact: Kristen Bogue

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

## Certified Sanborn Results:

**Site Name:** Filios/Dobler Annexation  
**Address:** 13588, 13880, 14044, 14010 W. Grant Line  
**City, State, Zip:** Tracy, CA 95304  
**Cross Street:**  
**P.O. #** 35-101038  
**Project:** Haz Mat Assessm  
**Certification #** 383E-4BDC-A8C5



Sanborn® Library search results  
Certification # 383E-4BDC-A8C5

## UNMAPPED PROPERTY

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

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

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

*The Sanborn Library LLC Since 1866™*

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**Filios/Dobler Annexation**

13588, 13880, 14044, 14010 W. Grant Line Road  
Tracy, CA 95304

Inquiry Number: 2816742.4

July 14, 2010

# EDR Historical Topographic Map Report

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

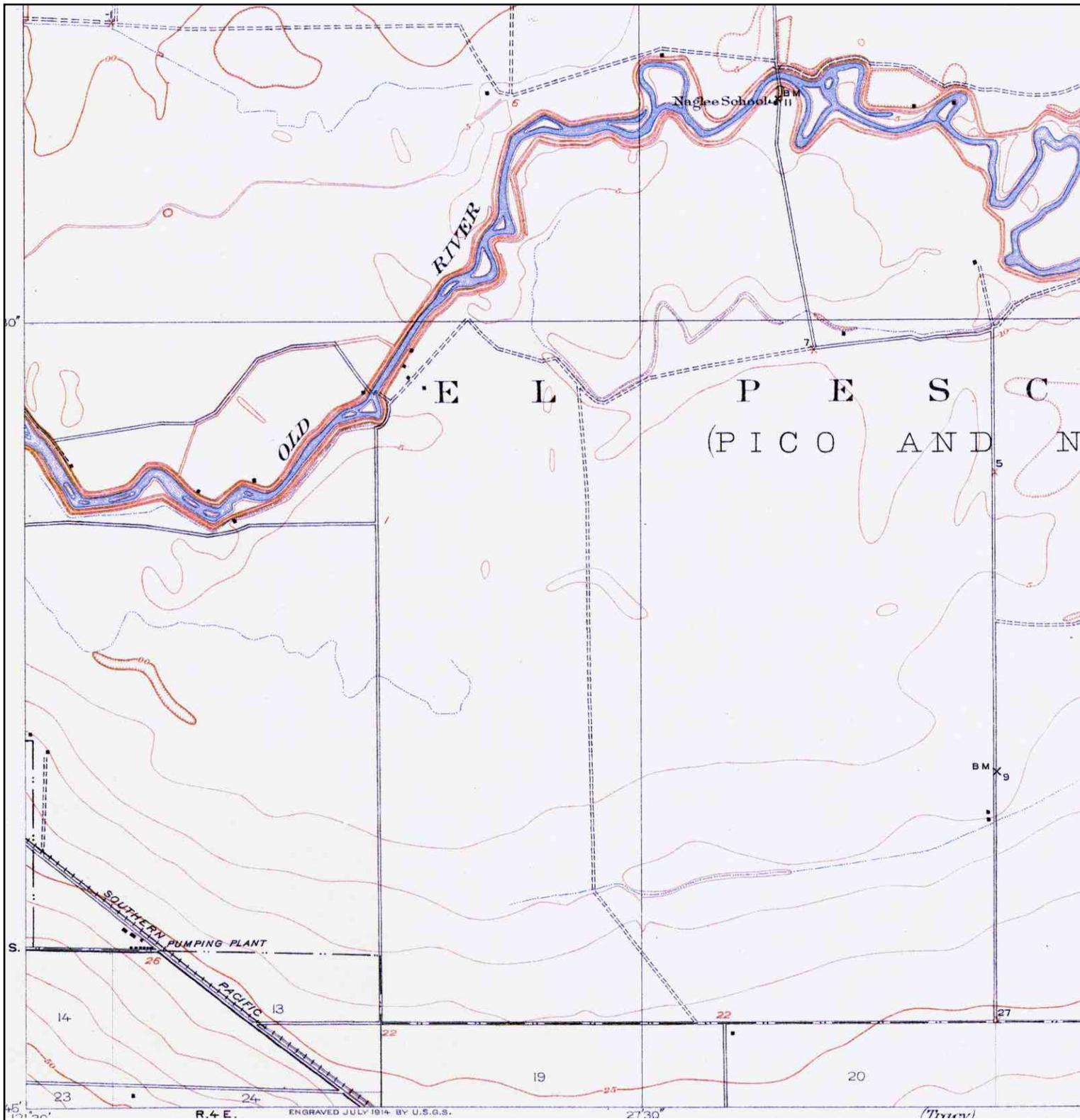
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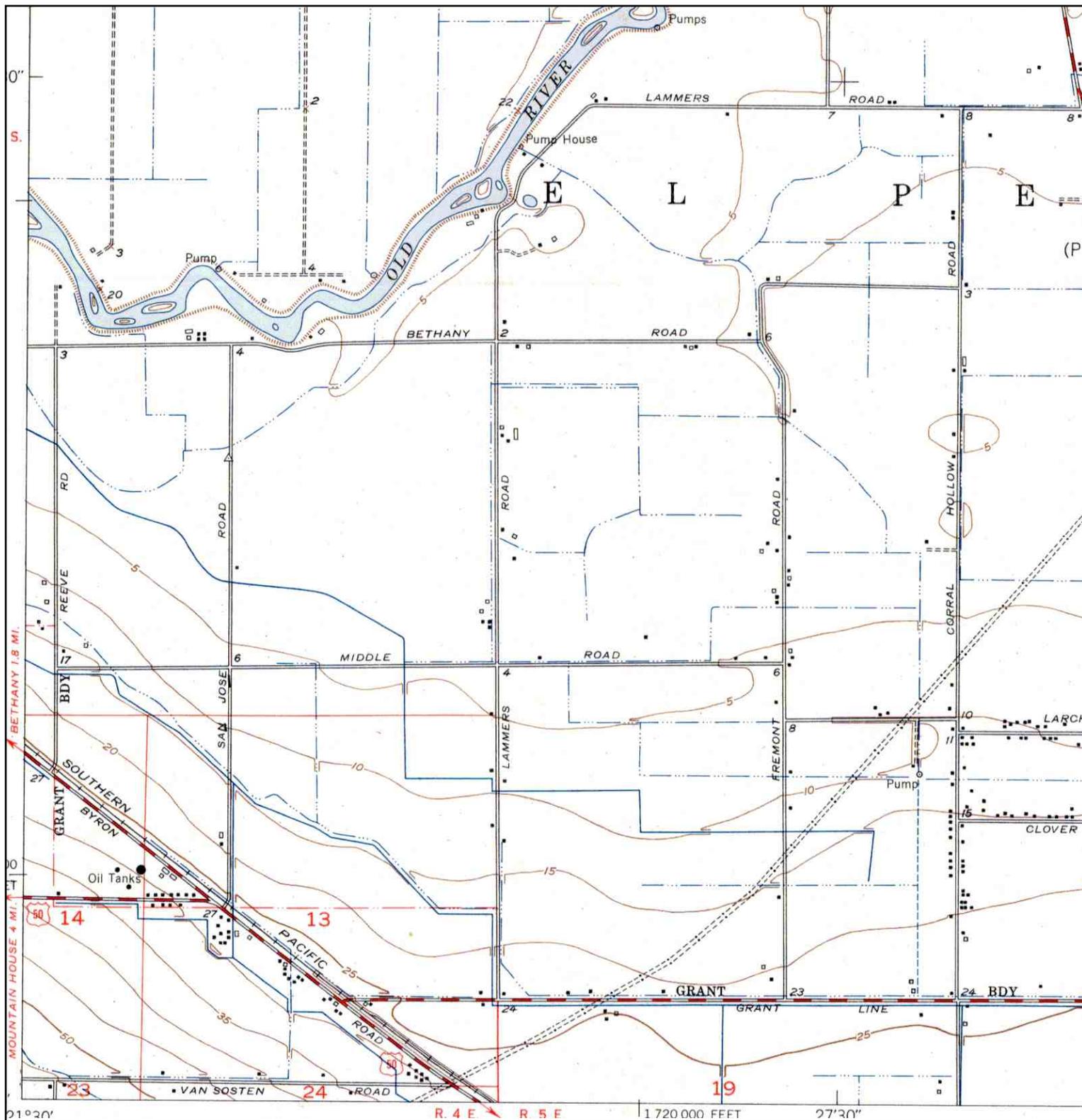
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# Historical Topographic Map



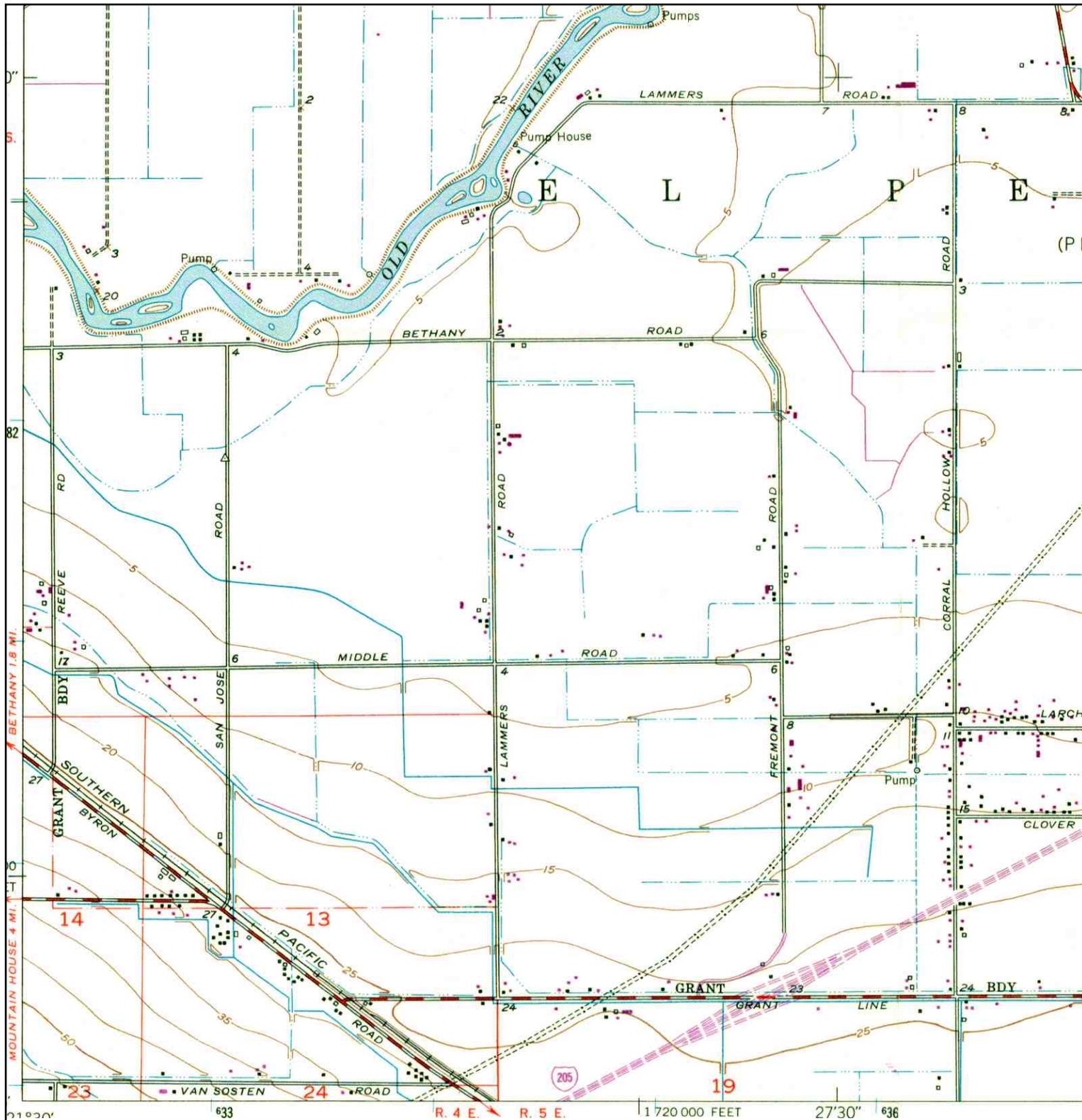
	<b>TARGET QUAD</b> NAME: UNION ISLAND MAP YEAR: 1914	SITE NAME: Filios/Dobler Annexation ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road Tracy, CA 95304	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 2816742.4 RESEARCH DATE: 07/14/2010
	SERIES: 7.5 SCALE: 1:31680	LAT/LONG: 37.7526 / -121.4792	

# Historical Topographic Map



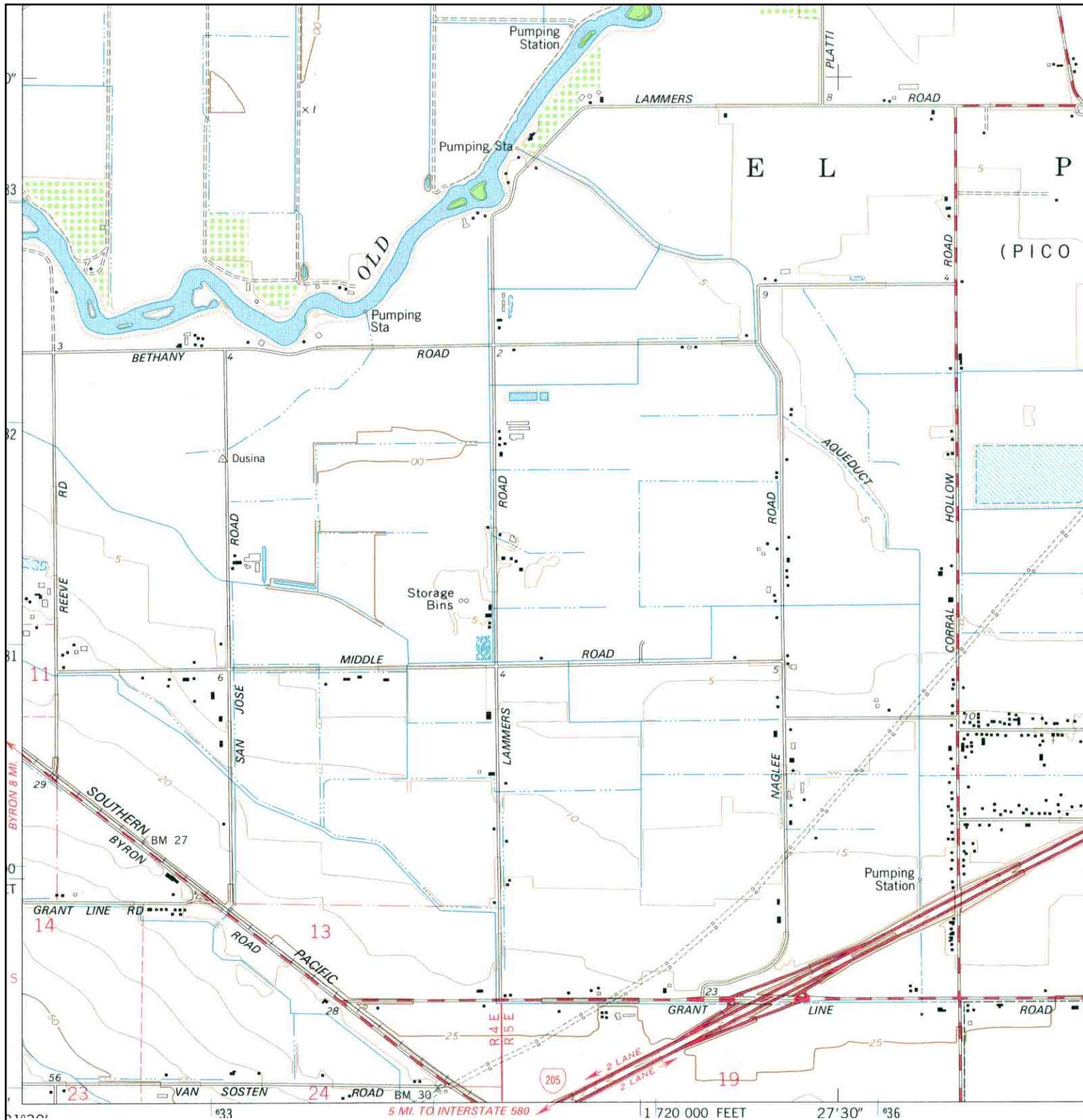
<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: UNION ISLAND                  MAP YEAR: 1952</p>	<p><b>SITE NAME:</b> Filios/Dobler Annexation  <b>ADDRESS:</b> 13588, 13880, 14044, 14010 W. Grant Line Road                  Tracy, CA 95304</p>	<p><b>CLIENT:</b> RBF Consulting  <b>CONTACT:</b> Kristen Bogue  <b>INQUIRY#:</b> 2816742.4  <b>RESEARCH DATE:</b> 07/14/2010</p>
	<p>SERIES: 7.5                  SCALE: 1:24000</p>	<p><b>LAT/LONG:</b> 37.7526 / -121.4792</p>	

# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: UNION ISLAND MAP YEAR: 1968 PHOTOREVISED: 1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Filios/Dobler Annexation ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road Tracy, CA 95304 LAT/LONG: 37.7526 / -121.4792	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 2816742.4 RESEARCH DATE: 07/14/2010

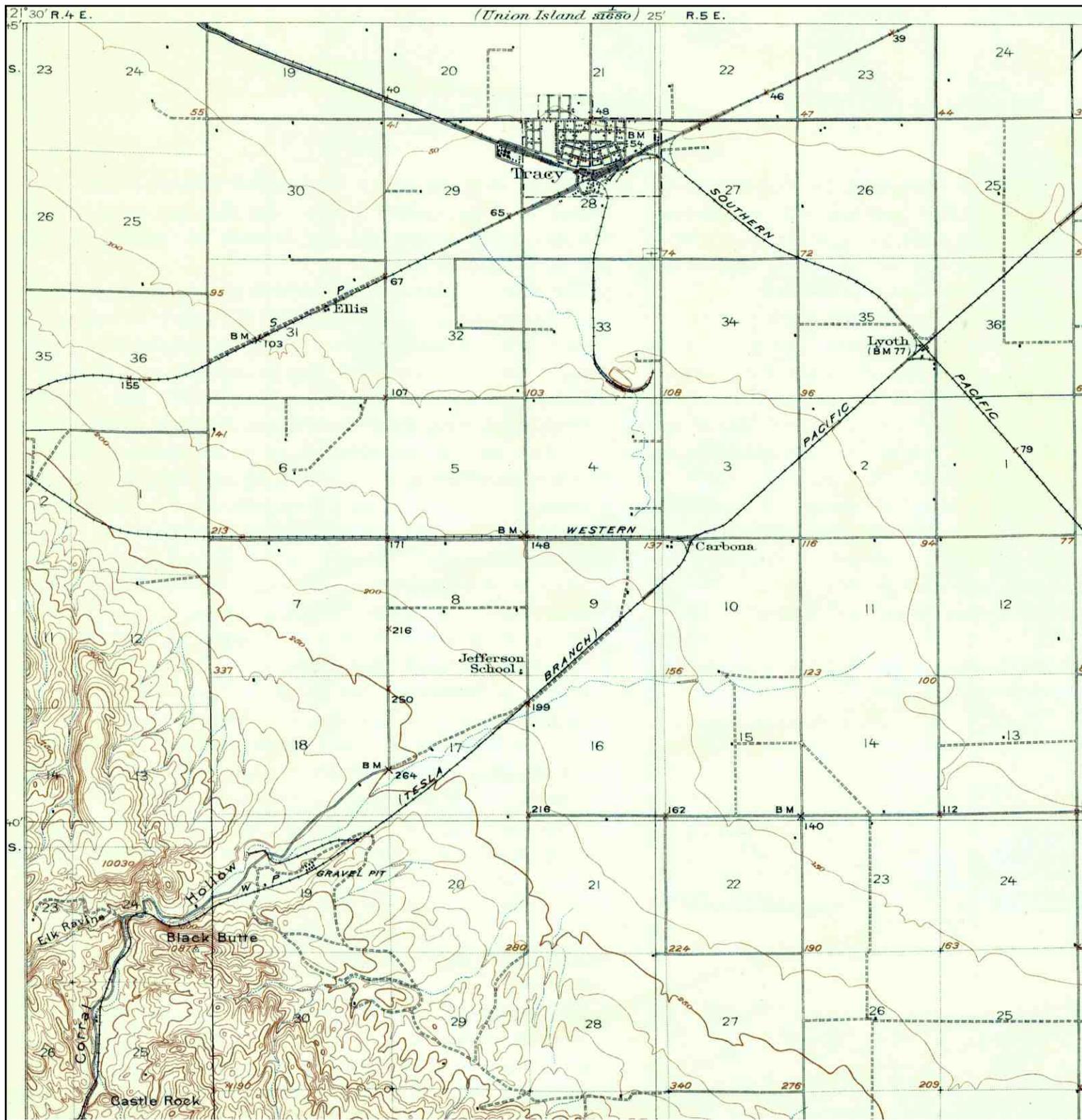
# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: UNION ISLAND MAP YEAR: 1978	SITE NAME: Filios/Dobler Annexation ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road Tracy, CA 95304	CLIENT: RBF Consulting CONTACT: Kristen Bogue INQUIRY#: 2816742.4 RESEARCH DATE: 07/14/2010
	SERIES: 7.5 SCALE: 1:24000	LAT/LONG: 37.7526 / -121.4792	

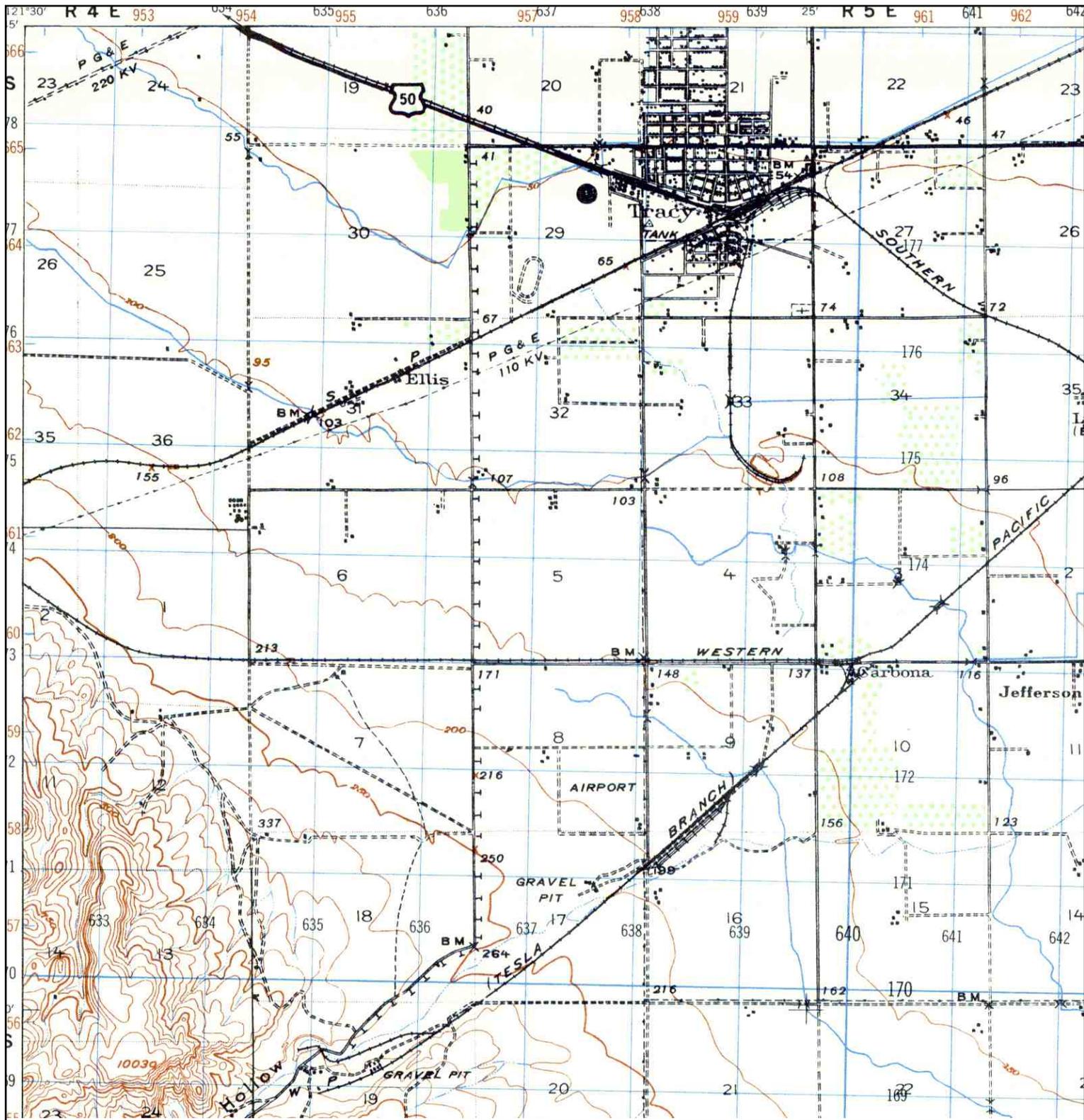


# Historical Topographic Map



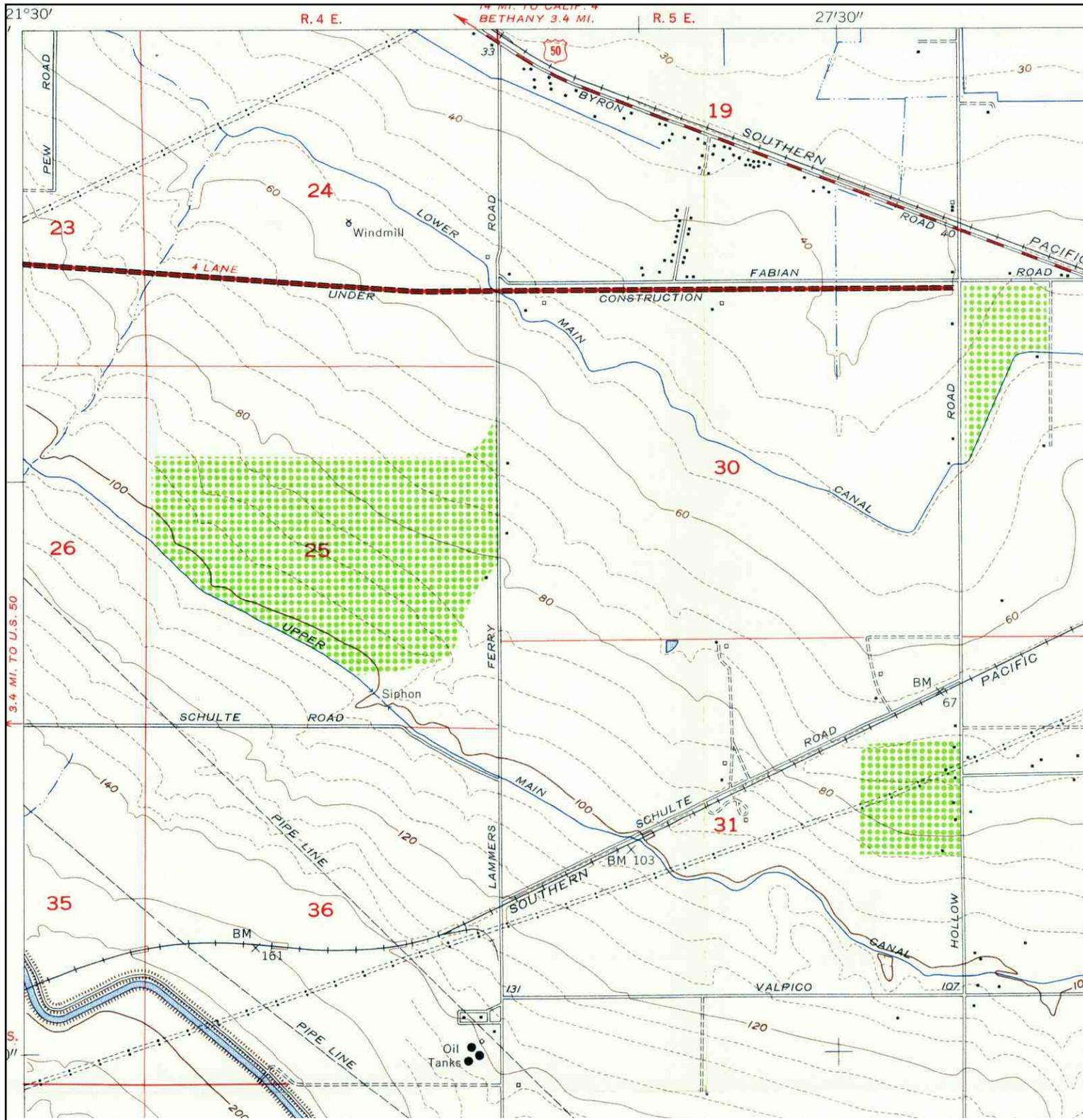
	<b>ADJOINING QUAD</b>						
	NAME:	CARBONA		SITE NAME:	Filios/Dobler Annexation	CLIENT:	RBF Consulting
	MAP YEAR:	1922		ADDRESS:	13588, 13880, 14044, 14010 W. Grant Line Road	CONTACT:	Kristen Bogue
	SERIES:	15			Tracy, CA 95304	INQUIRY#:	2816742.4
	SCALE:	1:62500		LAT/LONG:	37.7526 / -121.4792	RESEARCH DATE:	07/14/2010

# Historical Topographic Map



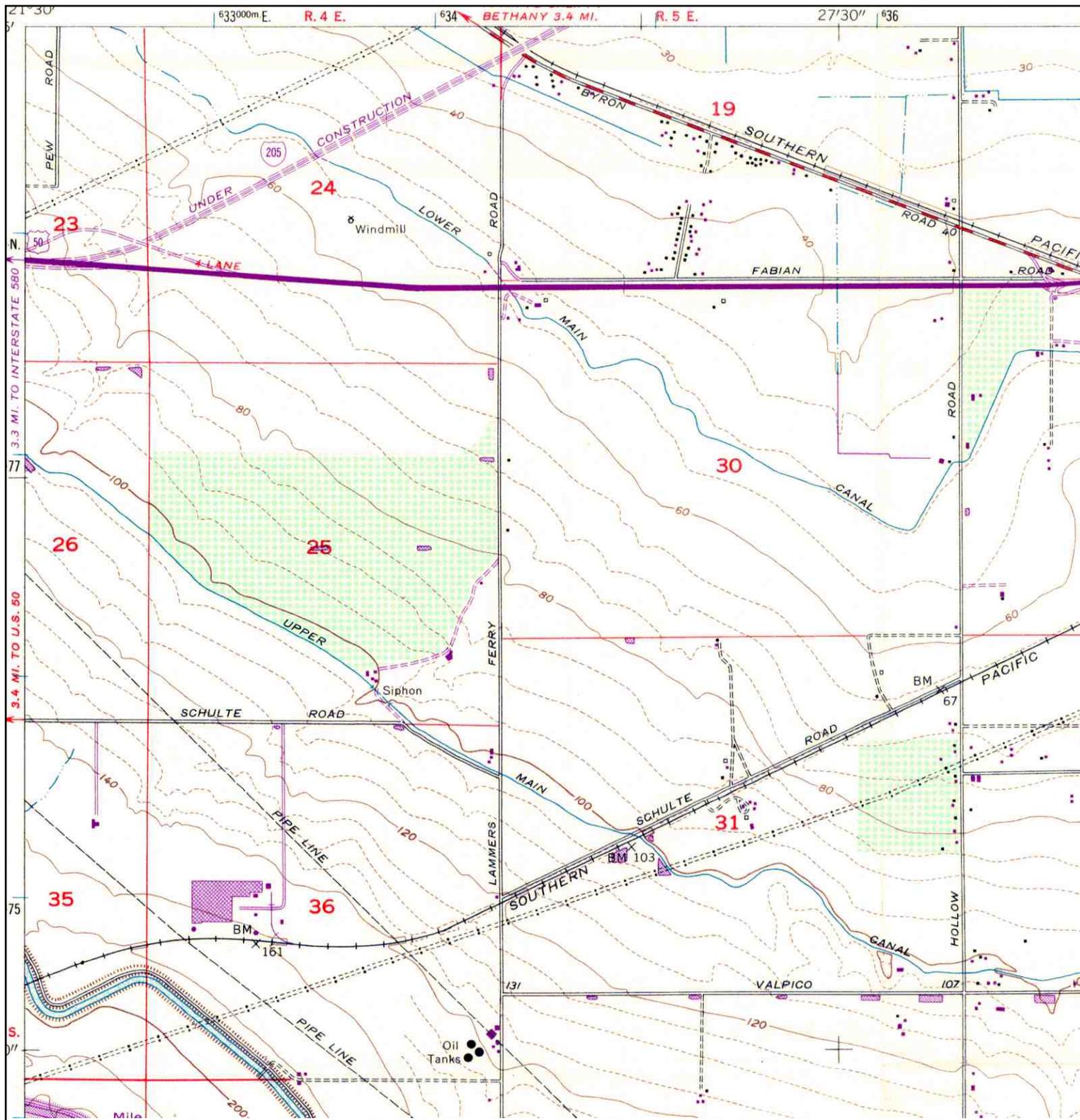
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	NAME:	CARBONA		SITE NAME:	Filios/Dobler Annexation	CLIENT:	RBF Consulting
	MAP YEAR:	1947		ADDRESS:	13588, 13880, 14044, 14010 W. Grant Line Road	CONTACT:	Kristen Bogue
	SERIES:	15			Tracy, CA 95304	INQUIRY#:	2816742.4
	SCALE:	1:50000	LAT/LONG:	37.7526 / -121.4792	RESEARCH DATE:	07/14/2010	

# Historical Topographic Map



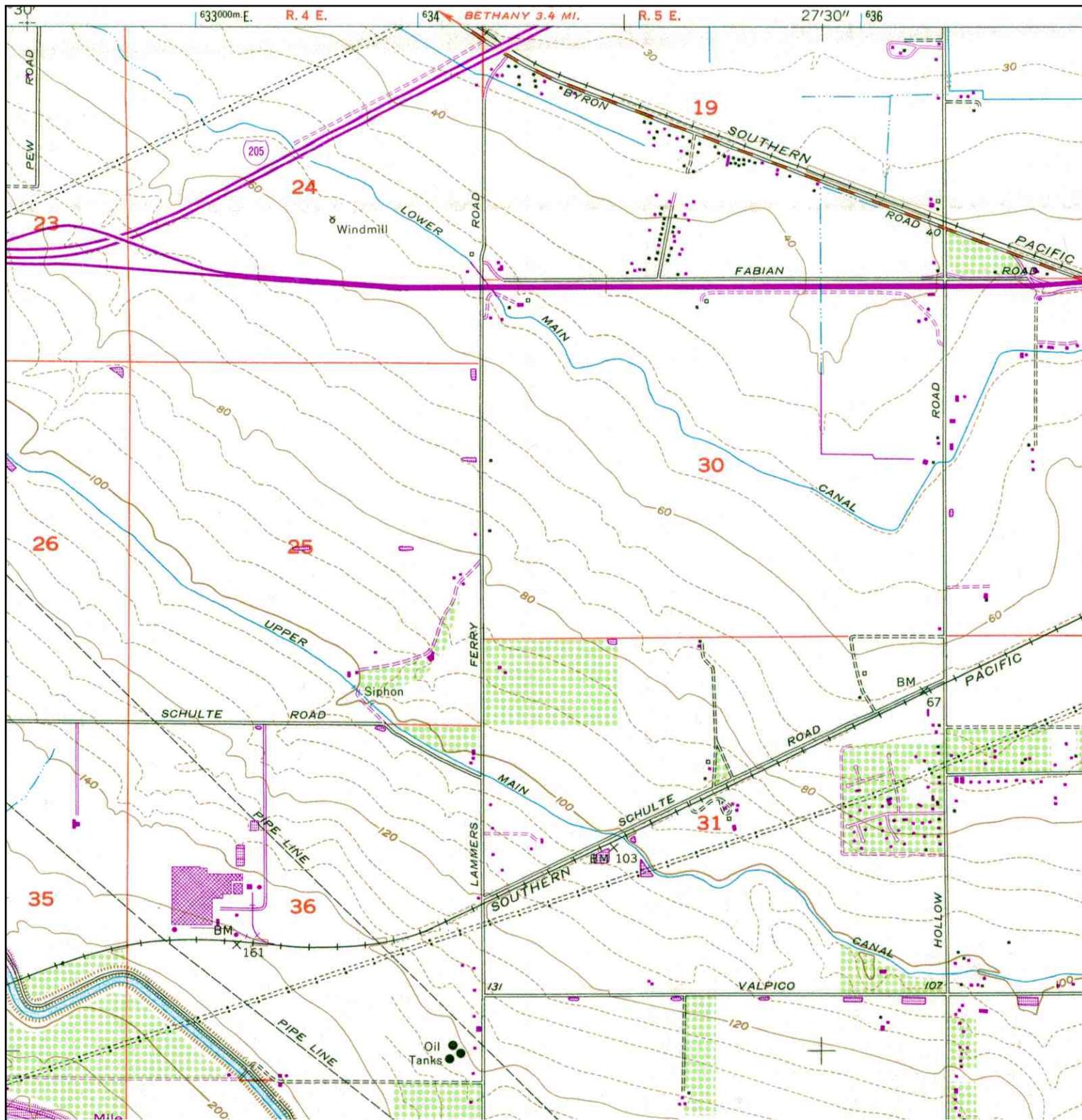
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Filios/Dobler Annexation	<b>CLIENT:</b> RBF Consulting
	NAME: TRACY	ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road	CONTACT: Kristen Bogue
	MAP YEAR: 1954	Tracy, CA 95304	INQUIRY#: 2816742.4
	SERIES: 7.5	LAT/LONG: 37.7526 / -121.4792	RESEARCH DATE: 07/14/2010
	SCALE: 1:24000		

# Historical Topographic Map



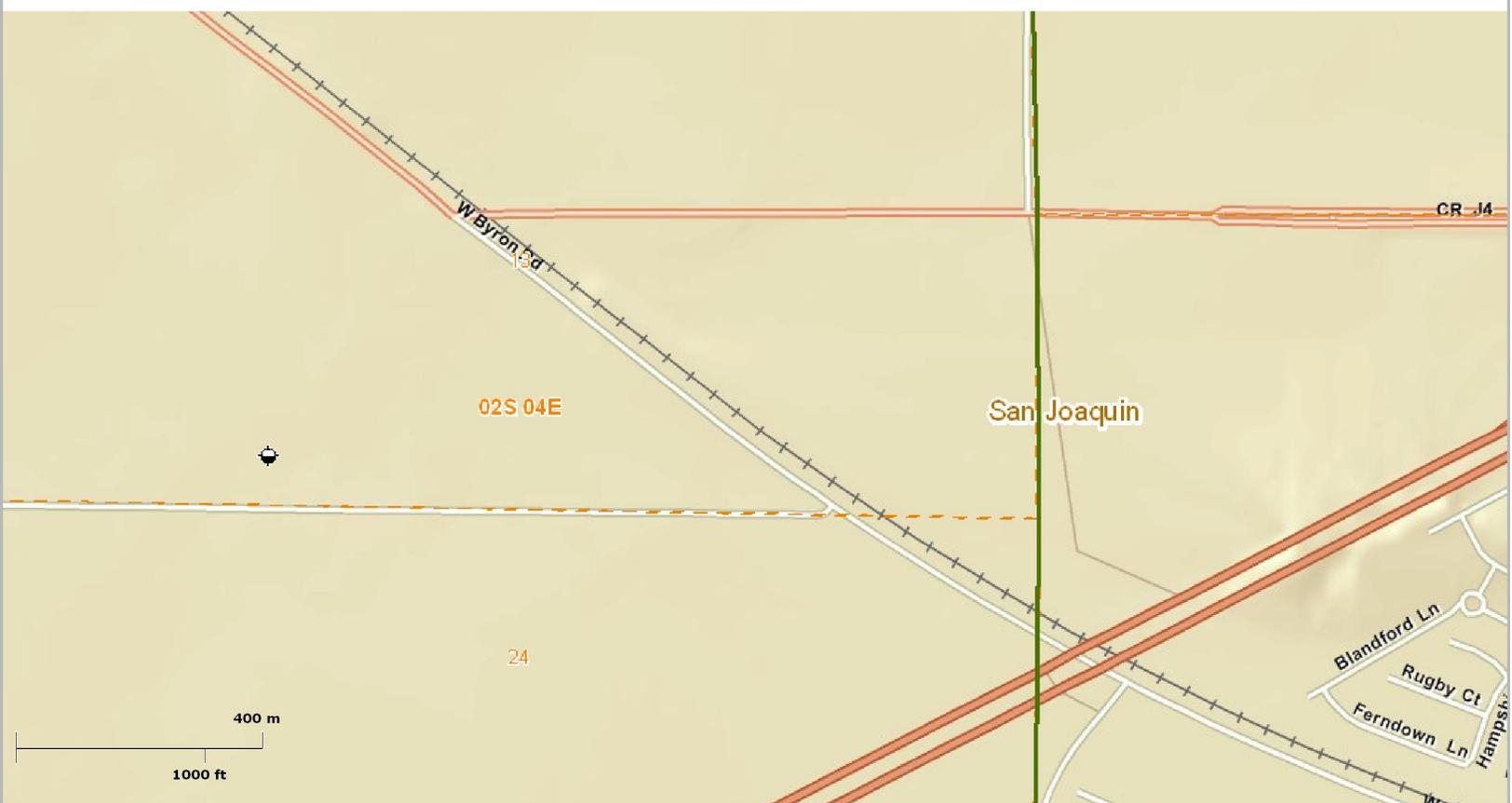
	<b>ADJOINING QUAD</b>	<b>SITE NAME:</b> Filios/Dobler Annexation	<b>CLIENT:</b> RBF Consulting
	NAME: TRACY	ADDRESS: 13588, 13880, 14044, 14010 W. Grant Line Road	<b>CONTACT:</b> Kristen Bogue
	MAP YEAR: 1968	Tracy, CA 95304	<b>INQUIRY#:</b> 2816742.4
	PHOTOREVISED: 1954	<b>LAT/LONG:</b> 37.7526 / -121.4792	<b>RESEARCH DATE:</b> 07/14/2010
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



	<b>ADJOINING QUAD</b>						
	NAME:	TRACY		SITE NAME:	Filius/Dobler Annexation	CLIENT:	RBF Consulting
	MAP YEAR:	1981		ADDRESS:	13588, 13880, 14044, 14010 W. Grant Line Road	CONTACT:	Kristen Bogue
	PHOTOREVISED:	1954			Tracy, CA 95304	INQUIRY#:	2816742.4
	SERIES:	7.5				RESEARCH DATE:	07/14/2010
	SCALE:	1:24000		LAT/LONG:	37.7526 / -121.4792		

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API	Operator Name	Lease Name	Well #	Well Type, Status	Lat, Long
07720 <b>091</b>	S.M. Reynolds, Operator	Towne-Sequeira	1	DG Plugged	37.764489 -121.514078
07720 <b>067</b>	Towne Exploration Co.	Bethany	1	DG Plugged	37.766969 -121.508258
07700 <b>344</b>	Tiger Oil Co.	Correia	1	DG Plugged	37.743469 -121.474277
07720 <b>272</b>	Atlantic Oil Co.	Holly Sugar	1	DG Plugged	37.760739 -121.472207
07720 <b>371</b>	Conley & Associates, Inc.	Pereira et al Unit	1	DG Plugged	37.759409 -121.497118
07720 <b>554</b>	Nahama & Weagant Energy Co.	West Tracy	1-13	DG Plugged	37.758369 -121.489358
07720 <b>570</b>	Enerfin Resources NLP	Tracy	13-25	DG Plugged	37.756851 -121.491941
07720 <b>576</b>	Enerfin Resources NLP	West Tracy	13-28	DG Plugged	37.752588 -121.493194
07720 <b>377</b>	Conley & Associates, Inc.	One Market Street Unit	1	DG Plugged	37.751269 -121.487788