

Appendix J

Environmental Site Assessments

Appendix J1

Phase I Environmental Site Assessment
RE Scarlet LLC

**Phase I Environmental Site
Assessment
RE Scarlet LLC**



Prepared for:
RE Scarlet LLC
300 California Street, 7th Floor
San Francisco, California 94104

Prepared by:
Stantec Consulting Services Inc.
3475 West Shaw Ave., Suite 104
Fresno, California

Project No.: 185703320

April 28, 2016

Sign-off Sheet and Signatures of Environmental Professionals

This document entitled Phase I Environmental Site Assessment RE Scarlet LLC was prepared by Stantec Consulting Services Inc. (Stantec) for the account of Recurrent Energy. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I Environmental Site Assessment have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

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

Prepared by Michael Myers
(signature)

Michael Myers
Project Scientist

Reviewed by Ralph Carson
(signature)

Ralph Carson, PG
Senior Geologist

Approved by Kyle D Emerson
(signature)

Kyle Emerson, CEG 1271
Managing Principal Geologist

Table of Contents

ABBREVIATIONS	1
1.0 SUMMARY	1.1
2.0 INTRODUCTION	2.1
2.1 PROPERTY DESCRIPTION.....	2.2
2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS.....	2.3
2.3 EXCEPTIONS AND LIMITING CONDITIONS.....	2.3
2.4 PERSONNEL QUALIFICATIONS.....	2.5
3.0 USER-PROVIDED INFORMATION	3.1
4.0 RECORDS REVIEW	4.1
4.1 PHYSICAL SETTING.....	4.1
4.1.1 Property Topography and Surface Water Flow.....	4.2
4.1.2 Regional and Property Geology.....	4.2
4.1.3 Regional and Property Hydrogeology.....	4.2
4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS.....	4.2
4.2.1 Listings for Property.....	4.3
4.2.2 Listings for Nearby Sites with Potential to Impact Property.....	4.3
4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS.....	4.4
4.4 HISTORICAL RECORDS REVIEW.....	4.6
4.4.1 Land Title Records/Deeds.....	4.6
4.4.2 Aerial Photographs.....	4.7
4.4.3 City Directories.....	4.8
4.4.4 Historical Fire Insurance Maps.....	4.8
4.4.5 Historical Topographic Maps.....	4.9
4.4.6 Other Historical Sources.....	4.12
5.0 POTENTIAL FOR VAPOR ENCROACHMENT	5.1
6.0 SITE RECONNAISSANCE	6.1
6.1 SITE RECONNAISSANCE METHODOLOGY.....	6.1
6.2 GENERAL DESCRIPTION.....	6.1
6.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS.....	6.2
6.4 INTERIOR OBSERVATIONS.....	6.4
6.5 EXTERIOR OBSERVATIONS.....	6.4
6.6 UNDERGROUND STORAGE TANKS/STRUCTURES.....	6.6
6.7 ABOVEGROUND STORAGE TANKS.....	6.6
6.8 ADJOINING PROPERTIES.....	6.7
6.8.1 Current Uses of Adjoining Properties.....	6.7
6.8.2 Observed Evidence of Past Uses of Adjoining Properties.....	6.7
6.8.3 Pits, Ponds or Lagoons on Adjoining Properties.....	6.7
6.9 OBSERVED PHYSICAL SETTING.....	6.7
7.0 INTERVIEWS	7.1
7.1 FINDINGS FROM INTERVIEWS WITH MAJOR OCCUPANTS/OTHERS.....	7.1

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

7.2 FINDINGS FROM INTERVIEWS WITH PROPERTY NEIGHBORS..... 7.1
8.0 EVALUATION.....8.1
8.1 FINDINGS AND OPINIONS 8.1
8.2 DATA GAPS 8.4
8.3 CONCLUSIONS 8.6
9.0 NON-SCOPE CONSIDERATIONS9.1
10.0 REFERENCES.....10.1

LIST OF FIGURES

- Figure 1 Site Location Map
- Figure 2 Site Map
- Figure 3 Westland Water District Distribution Map

LIST OF APPENDICES

- APPENDIX A PHOTOGRAPHS OF THE PROPERTY AND VICINITY
- APPENDIX B HISTORICAL RECORDS
- APPENDIX C ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT
- APPENDIX D AGENCY RECORDS
- APPENDIX E USER PROVIDED RECORDS
- APPENDIX F INTERVIEW FORMS
- APPENDIX G STANTEC RESUMES

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
PCBs	Polychlorinated Biphenyls
pVEC	Potential Vapor Encroachment Condition
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RE SCARLET LLC

SUMMARY

April 28, 2016

1.0 SUMMARY

Stantec Consulting Services Inc. (Stantec) has completed a Phase I Environmental Site Assessment (ESA) report of the RE Scarlet LLC property (the "Property" or the "Site"), on behalf of RE Scarlet LLC (the "Client"). The work was performed in accordance with the Master Services Agreement between Stantec and RE Scarlet LLC (the "MSA"). RE Scarlet LLC (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13 and All Appropriate Inquiries (AAI) Final Rule 40 Code of Federal Regulation (CFR) Part 312, except as may have been modified by the scope of work, and the MSA. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3.

The Property is located at the southeast corner of the intersection of South Derrick Avenue and West Manning Avenue in an unincorporated area of Fresno County, California, and southwest of the City of Tranquillity. The Property is bound by a series of paved and unnamed dirt roads. South Derrick Avenue, West Adams Avenue, and West Manning Avenue are paved with asphalt and form a portion of the Property boundaries (Figure 2). The Property is irregularly shaped and encompasses approximately 4,380-acres. The Property is identified by 28 Assessor's Parcel Numbers (APNs).

Stantec's interpretation of historical records indicates the Property has remained undeveloped since at least 1922. Aerial photographs show that the Property and surrounding area has been used for agricultural purposes from prior to 1955 to present. The following items of note were identified during this ESA:

- The Property was used for agricultural purposes from prior to 1955 until present. In order to determine whether the historical agricultural use of the Property involved the application of pesticides or heavy metal-containing herbicides (*i.e.*, arsenic and lead), Stantec completed a Phase II subsurface investigation to sample and analyze soil at the Property to determine whether pesticides, arsenic or lead are present at levels exceeding regulatory thresholds. The results of the Phase II subsurface investigation, which are presented in Stantec's Phase II Report (under separate cover), showed pesticides and lead at levels well below applicable regulatory thresholds and arsenic at levels well within naturally-occurring regional background levels. Accordingly, Stantec concludes that the historical agricultural use of the Property does not represent a recognized environmental condition (REC) or a historical recognized environmental condition (HREC) and Stantec recommends no further investigation regarding this issue.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RE SCARLET LLC

SUMMARY

April 28, 2016

- In light of the historic agricultural usage of the Property, the potential presence of transite irrigation pipe cannot be ruled out. Transite piping sometimes contains asbestos. In the event that any transite piping is discovered during the site development activities, Stantec recommends that Recurrent Energy's Engineering, Procurement, and Construction Contractor engage an environmental consultant to sample the transite piping for the presence of asbestos prior to handling it and, if necessary (depending on the results), engage a certified asbestos abatement contractor to abate asbestos-containing piping in accordance with all applicable laws, including OSHA guidelines.
- A trash/debris pile was observed near the southwest corner of the Property on APN 028-111-01ST. The debris pile mainly consists of old agricultural irrigation hoses. Stantec observed no soil staining or stressed vegetation around the debris pile. Stantec concludes that the debris piles do not represent a recognized environmental condition, and recommends no further investigation regarding this issue. In connection with site development activities, however, Recurrent Energy's Engineering, Procurement, and Construction Contractor should remove all trash and debris piles from the Property for off-site disposal at a local landfill, and should obtain waste receipts from the landfill for Recurrent's records.
- There are two active agricultural wells (Sites 1 and 3) and two inactive agricultural wells (Sites 2 and 4) on the Property (see Figure 2). The presence of these wells and any other unknown well(s) does not represent a REC, HREC, or *de minimis* condition with respect to the Property. If the existing wells are no longer needed, however, the wells should be abandoned in accordance with all applicable laws.
- There is a PG&E electrical substation located northeast of the Property near the northeast corner of APN 028-071-23ST. The substation has two large aboveground storage tanks (ASTs); the contents of the ASTs are unknown. The PG&E substation is located down gradient of the Property with respect to groundwater flow. Therefore, Stantec concludes that the substation does not represent a REC and recommends no further investigation regarding this issue.
- Three pole-mounted electrical transformers were observed on the Property. The transformers appeared to be in good condition and Stantec observed no evidence of any leaking, spills or releases in the vicinity of the electrical transformers. Stantec concludes that the transformers do not represent a REC and recommends no further investigation regarding this issue.
- Stantec observed a trailer-mounted water AST; a camper trailer; a 25 gallon propane tank; a small water AST; and a trailer-mounted fuel AST located on Site 5 (see Figure 2). The contents of the fuel AST are unknown. Stantec observed no soil staining or stressed vegetation around the perimeter of the fuel AST. Stantec concludes that the fuel AST does not represent a REC and recommends no further investigation regarding this issue.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RE SCARLET LLC

SUMMARY

April 28, 2016

- There is one Westlands Water District pump located at the northeast corner of APN 028-071-23ST. There was no soil staining or stressed vegetation located around the base of the pump. The presence of the pump and any other unknown pump(s) does not represent a REC, HREC, or *de minimis* condition with respect to the Property.
- An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property. None of the sites identified in the environmental records search report represent a recognized environmental condition to the Property based on one or more of the following reasons: distance from the Property, position of the facilities with respect to presumed groundwater flow direction, condition of the native soils, and/or regulatory status. The environmental records search identified no RECs, HRECs, or *de minimis* conditions at or near the Property.
- Stantec was not able to obtain historical records that document the Property history in 5-year intervals. The lack of review of this information is not considered significant. Based on the information obtained during the course of this ESA, the absence of this information did not appear to affect the ability of the Environmental Professionals to identify RECs, HRECs, or *de minimis* conditions.
- Stantec reviewed the Preliminary Title Report prepared by First American Title Company. The findings are as follows: there are easements for water pipelines and incidental purposes on all of the APNs by Westlands Water District; there were oil, gas, and mineral rights on 23 of the 28 APNs; and the Preliminary Title Report stated that it may not list all liens, defects, and encumbrances affecting title to the land. The document does not appear to identify any environmental concerns associated with the Property, but Stantec recommends that a revised title report be prepared that lists any and all of the liens, defects, and encumbrances affecting title to the land.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 and the requirements of AAI for RE Scarlet LLC, in an unincorporated area of Fresno County, near the City of Tranquillity, California, or the "Property". Any exceptions to, or deletions from, this practice are described in the Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- Stantec observed soil staining in the vicinity of the agricultural well sites (Sites 1 through 4, see Figure 2). Soil staining was observed around the fuel aboveground storage tanks (ASTs) located at Sites 1 through 3; under and around the agricultural wells, turbine oil ASTs, diesel powered agricultural engines, and engine oil ASTs observed at Sites 1 through 3; and around the base of the agricultural pump at Site 4. Stantec concludes that the presence of the petroleum products and observed soil staining is considered a REC to the Property and recommends performing a Phase II subsurface investigation to sample

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

SUMMARY

April 28, 2016

and analyze soil to determine whether petroleum hydrocarbons are present at concentrations exceeding regulatory thresholds.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

INTRODUCTION
April 28, 2016

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM in "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13. The purpose of this Phase I ESA was to identify adverse environmental conditions, including recognized environmental conditions ("RECs") associated with the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

- (1) Due to any release to the environment;
- (2) Under conditions indicative of a release to the environment; or
- (3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the Environmental Professional must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the Environmental Professional considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

INTRODUCTION
April 28, 2016

and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

This ESA was conducted in accordance with the MSA. The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA Report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

- (1) Information that is publicly available;
- (2) Information that is obtainable from its source within reasonable time and cost constraints;
and
- (3) Information that is practicably reviewable.

2.1 PROPERTY DESCRIPTION

The Property is located at the southeast corner of the intersection of South Derrick Avenue and West Manning Avenue in an unincorporated area of Fresno County, California, and southwest of the City of Tranquillity.

The Property is bound by a series of paved and unnamed dirt roads (Figure 2). South Derrick Avenue, West Adams Avenue, and West Manning Avenue are paved with asphalt and form a portion of the Property boundaries (Figure 2).

The Property is irregularly shaped, comprises approximately 4,380-acres, and is identified by 28 Assessor's Parcel Numbers (APNs). The Property APNs are as follows:

- 028-071-23ST (311.79 acres)
- 028-071-34T (479.20 acres)
- 028-071-39ST (158.71 acres)
- 028-071-44T (20.41 acres)
- 028-071-4ST (65.75 acres)
- 028-071-41ST (17.07 acres)

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

INTRODUCTION

April 28, 2016

- 028-071-40ST (77.08 acres)
- 028-071-47T (157.23 acres)
- 028-071-49T (78.33 acres)
- 028-111-01ST (560.35 acres)
- 028-111-04ST (18.09 acres)
- 028-111-09ST (158.01 acres)
- 028-111-07ST (163.28 acres)
- 028-111-14T (23.58 acres)
- 028-111-17T (39.91 acres)
- 028-111-20ST (196.00 acres)
- 028-120-62ST (236.70 acres)
- 028-071-43T (144.94 acres)
- 028-071-48T (80.78 acres)
- 028-081-66ST (651.97 acres)
- 028-111-02ST (33.79 acres)
- 028-111-06T (17.70 acres)
- 028-111-10T (143.56 acres)
- 028-111-13T (21.79 acres)
- 028-111-15T (20.87 acres)
- 028-111-16ST (39.51 acres)
- 028-111-19T (141.16 acres)
- 028-1120-61ST (322.95 acres)

The Property is currently used for agricultural purposes. The Property is relatively flat with a slight gradient to the east-northeast. A Property Location Map is illustrated on Figure 1. A Property Map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in Appendix A.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

It is assumed that the purpose of this Phase I ESA is to qualify the User, in part, for landowner protection in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability and to facilitate the purchase of the Property. The possible contaminants of concern considered in this assessment include those hazardous compounds listed under CERCLA and petroleum products.

There were no special terms, conditions, or significant assumptions associated with the Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the identified Property.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RE SCARLET LLC

INTRODUCTION
April 28, 2016

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. 40 CFR 312.20(f)(2) requires that the Environmental Professional evaluate the thoroughness and reliability of provided information. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others and neither warrants nor guarantees the comprehensiveness or accuracy of provided information.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report, and are based solely on the scope of work described in the report, the limited data available, and the results of the work. They are not a certification of the Property's environmental condition.

The client provided Stantec with recorded title records in connection with the Property. Stantec did not obtain historical records that document the property history in 5-year intervals and this resulted in a data gap; however, this data gap is not considered significant. Based on the information obtained during the course of this ESA and general knowledge of development at and near the Property, the absence of this information did not affect the ability of the Environmental Professionals to identify RECs, HRECs, CRECs, or *de minimis* conditions.

This report relates solely to the specific project for which Stantec was retained and the stated purpose for which this report was prepared and shall not be used or relied upon by the client identified herein for any variation or extension of this project, any other project or any other purpose.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report.

Project Specific limiting conditions are provided in Section 2.2.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed.

The conclusions are based on the site conditions encountered by Stantec at the time of the work. Accordingly, additional studies and actions may be required. As the purpose of this report is to identify selected site conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the Site is beyond the scope of this assessment. The findings, observations, and conclusions expressed by Stantec in this

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

INTRODUCTION
April 28, 2016

report are not an opinion concerning the compliance of any past or present owner or operator of the Site which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of Federal, state, provincial or local governmental agencies. Issues raised by the report should be reviewed by client legal counsel.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the Property subsequently change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional. The credentials of the Environmental Professional and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix G.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

USER-PROVIDED INFORMATION
April 28, 2016

3.0 USER-PROVIDED INFORMATION

ASTM E 1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of “All Appropriate Inquiries” into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User Questionnaire	Yes	<p>The User was <u>not</u> aware of any of the following:</p> <ul style="list-style-type: none"> • Environmental cleanup liens • Activity or use limitations • No specialized knowledge of the Property or related properties • No reason to believe the purchase price of the Property was reduced due to contamination. • Spills or other releases of chemicals, hazardous substances, or petroleum products at the Property. • Environmental cleanups that have occurred on the Property. • Obvious indicators of the presence or likely presence of contamination at the Property. <p>The Property has been historically used for agriculture purposes and agricultural chemicals are or were once present at the Property.</p>
Land Title Reports, Environmental Liens, or Activity Use Limitations	Yes	<p>A Preliminary Title Report was provided by the User. Stantec reviewed the Preliminary Title Report and no environmental liens were identified in the report however, the report stated that the preliminary report may not list all liens, defects, and encumbrances affecting title to the land. The</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

USER-PROVIDED INFORMATION
April 28, 2016

Description of Information	Provided (Yes / No)	Description and/or Key Findings
		lack of further information, however, does not represent a significant data gap.
Previous Environmental Permits or Reports Provided by User	No	The User was not aware of any previous environmental site assessment reports, other reports, documents, correspondence, etc. concerning the Property and its environmental conditions.
Purpose of the Phase I ESA	Yes	Pre-acquisition environmental due diligence.

Stantec forwarded the ASTM recommended User Questionnaire to Marisa Mitchell of Recurrent Energy. The completed User Questionnaire is included in Appendix E.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

RECORDS REVIEW
April 28, 2016

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area, in order to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the Property's first developed use. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections:

Topography:	The Property elevation varies from approximately 170 to 200 feet above mean sea level (amsl). The regional topographic gradient is to the east-northeast.
Soil/Bedrock Data:	Based on the geologic mapping, the Property is located within an area mapped as Quaternary Age unconsolidated valley and stream deposits including alluvial fans. The alluvial soils consist of sands, gravel, silts, and clays (CDMG, 1966).
Estimated Depth to Groundwater and Estimated Direction of Gradient:	Based on the Environmental Data Resources Inc. (EDR) Radius Map Report, shallow groundwater varying from approximately 4 to 10 feet below the ground surface (bgs). The estimated groundwater gradient is to the east-northeast. Additionally several of the deeper agricultural wells encountered groundwater varying from approximately 50 to 360 feet bgs.
<i>Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.</i>	

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

RECORDS REVIEW
April 28, 2016

4.1.1 Property Topography and Surface Water Flow

The Property elevation varies from approximately 170 to 200 feet amsl. The Property is generally flat; water runoff would be expected to follow the regional topographic gradient which slopes gently to the east-northeast.

The Fresno Slough is the nearest body of water and it is located approximately 2 miles northeast of the Property.

4.1.2 Regional and Property Geology

The Property is located within the Great Valley Geomorphic Province, which is a large alluvial plain between the highlands of the Sierra Nevada mountain range and Coast Ranges into which sediments have been deposited since the Jurassic (California Geological Survey [CGS], 2002). The stratigraphy underlying the Property and the vicinity consists of recent-age alluvium of fan and basin deposits (CDMG, 1965).

No recently active faults are mapped within the vicinity of the Property. The closest active fault is the San Andreas Fault approximately 34 miles to the southwest (CGS, 2011).

4.1.3 Regional and Property Hydrogeology

According to the EDR Radius Report, groundwater was measured from nearby shallow wells at approximately 4 to 10 feet bgs.

Additionally, several of the deeper agricultural wells encountered groundwater varying from 50 to 360 feet bgs. These measurements were collected from agricultural wells that are drilled into a deeper aquifer and do not represent shallow water levels at the Site.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from EDR, a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix C.

Stantec evaluated the information listed within the database relative to potential impacts to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred shallow groundwater flow direction is likely to be to the east-northeast. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 6.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

RECORDS REVIEW
April 28, 2016

4.2.1 Listings for Property

The Property was not identified in the environmental database report.

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions to pose a REC, CREC, or HREC for the Property.

Generally, reported release sites located within ¼ to ½ mile were considered to have a potential to impact the Property. Facilities which were listed in the database search report but not identified as a release site, such as a hazardous waste generator or recycling facility, were not considered to have a potential to impact the Property.

The complete database listings of records detailed above prepared by EDR and a map showing the location of the search radius relative to the Property is presented in Appendix C. The result of Stantec's review of area sites identified in the EDR report, by database listing, the following nearby sites were identified:

- Interagency Treatment Center which is located 2.0 miles north-northeast of the center of the Property. This site was listed under the Resource Conservation and Recovery Act Small Quantity Generator (RCRA-SQG). No releases were reported.
- Westlands Water District site located at 32650 West Adams Avenue 3 miles southeast of the center of the Property. This site was listed in the LUST, SWEEPS UST, CA FID UST and Historic Cortese databases. A gasoline release into the nearby drinking water supply aquifer was reported. The case was closed May 20, 1998.
 - CUPA Listings database. A UST removal was performed, no releases were reported.
 - Haznet Database. Landfill housing asbestos containing aqueous solution and polychlorinated biphenyls. No releases were reported.
- Tranquility Field Office located at 32650 West Adams Avenue 3 miles southeast of the center of the Property. This site is listed in the HAZNET database as a waste oil and mixed oil recycler. No releases were reported.
 - Historical UST database. An installation of an unleaded gasoline UST was performed in 1966.
- Anderson Clayton Corporation/Murietta located at 31055 West Adams Avenue 2 miles north of the center of the Property. This site is listed in the HAZNET database due to

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

RECORDS REVIEW
April 28, 2016

asbestos containing waste housed within an on-site landfill and waste oil and mixed oil recycling. No releases were reported.

- Producers Cotton Oil Company located at 31055 West Adams Avenue 1.7 miles north of the center of the Property. This site is listed in the SWEEPS UST and CUPA databases as containing a fuel AST onsite. The current status is listed as active with no record of any releases.

Stantec concludes that the listings in the database search report provided in Appendix C (including those listed above) do not represent a REC for the Property. Stantec recommends no further investigation regarding any of those facilities.

The regulatory agency database search report lists a number of sites identified as “unmappable.” The database search firm was unable to confirm the physical locations of several of these sites relative to the Property or to assess whether they were located within the designated search radii. Stantec independently reviewed the locations of these “unmappable” sites, to the extent possible, using various maps and our knowledge of the subject property area.

Due to distance from the Property (>1/2 mile), and the nature of their listings (not identified as a release site) the “unmappable” sites do not represent an environmental concern to the Property. As a result, no further investigation is recommended regarding off-site facilities.

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

4.3.1 Fresno County Department of Health Department

Agency Name Contact Information	Findings
Fresno County Department of Environmental Health 1221 Fulton Mall Fresno, CA. (559) 600-7629	Stantec submitted a request to the Fresno County Department of Environmental Health Management to research whether any documents were on file for the Property. According to Cindy Sauls with Fresno County Department of Environmental Health, no records were found pertaining to the Property.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

4.3.2 Fresno County Fire Department

Agency Name Contact Information	Findings
Fresno County Fire Department 210 S. Academy Sanger, CA. (559) 875-8473	Stantec received correspondence with the Fresno County Fire Department regarding the Property. The Fire Department personnel stated that the fire department does not have any records for this Property.

4.3.3 Fresno County Building and Planning Department

Agency Name, Contact Information	Findings
Fresno County Building and Planning Department (559) 600-4548	Stantec contacted the Fresno County Building Department to research whether any documents were on file for the Property. No permits were identified for the Property by the APNs.

4.3.4 Regional Water Quality Control Board

Agency Name, Contact Information	Findings
Regional Water Quality Control Board	<p>Stantec submitted a request to the Central Valley Regional Water Quality Control Board to research whether any documents were on file for the Property. According to Anthony Medrano with the RWQCB, no records were found pertaining to the Property.</p> <p>Stantec searched the available documentation through the State Water Resources Control Board's GeoTracker website (http://geotracker.swrcb.ca.gov) for the Property and the area immediately adjacent to the Property. There were two sites in the vicinity of the Property.</p> <ul style="list-style-type: none"> • Britz Fertilizers located at West Adams Avenue and South Derrick Avenue, approximately 1 mile northwest of the Property. A diesel tank was removed and the case is closed. • Westlands Water District located at 32560 West Adams Avenue, approximately 1 mile northwest of the Property. The case involved a gasoline leak and the case is closed. <p>Stantec recommends no further investigation regarding these facilities.</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

4.3.5 California Department of Toxic Substances Control

Agency Name, Contact Information	Findings
Department of Toxic Substances Control (DTSC)	<p>Stantec submitted a request to the DTSC to research whether any documents were on file for the Property. According to Sandra Kachadoorian with the DTSC, no records were found pertaining to the Property.</p> <p>Stantec searched the DTSC Envirostor website for the Property and the area immediately adjacent to the Property. The Envirostor website did not identify any DTSC sites on or near the Property.</p>

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Stantec obtained a copy of the Preliminary Title Report from Recurrent Energy. The Preliminary Title Report was prepared by First American Title Company amended date March 15, 2016. Stantec reviewed the Preliminary Title Report and identified the following:

- Westland Water District was identified as the property owner.
- There are easements for water pipelines and incidental purposes on all of the APNs (Westlands Water District).
- Defects, liens, encumbrances or other matters affecting the leasehold estates, whether or not shown by public records are not shown in the title report for the following APNs:

028-071-39; 028-071-41; 028-071-43; 028-071-44;
 028-071-45; 028-071-47; 028-071-48; 028-071-49;
 028-111-01; 028-111-19; 028-222-20

- Oil, gas, and mineral rights are defined in the legal description for the following APNs:

028-071-23ST; 028-071-44T; 028-071-45T; 028-071-41ST;
 028-071-40ST; 028-071-47T; 028-071-48T; 028-071-49T;
 028-081-66ST; 028-111-01ST; 028-111-02ST; 028-111-04ST;
 028-111-06T; 028-111-09ST; 028-111-07ST; 028-111-14T;
 028-111-16ST; 028-111-20ST; 028-120-62ST; 028-1120-61ST;
 and a portion of APN 028-071-43T

PHASE I ENVIRONMENTAL SITE ASSESSMENT

RE SCARLET LLC

RECORDS REVIEW
April 28, 2016

The Preliminary Title Report stated that it may not list all liens, defects, and encumbrances affecting title to the land. A copy of the Title Report is provided in Appendix E.

Stantec did not obtain historical records that document the Property history in 5-year intervals and this resulted in data gaps. Although these data failures represent data gaps, the data gaps are not considered significant. Based on the information obtained during the course of this ESA and general knowledge of development at and near the Property, the absence of this information did not affect the ability of the Environmental Professionals to identify RECs, HRECs, CRECs, or *de minimis* conditions.

No other deeds or documents were reviewed by Stantec as part of this assessment.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. Copies of the aerial photographs are provided in Appendix E. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property and Adjoining Properties
1955	1:1,956	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1955	1:1,956	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1955	1:1,956	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1960	1:5,083	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1971	1:2,500	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1971	1:2,500	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1987	1:3,333	The Property appears to be undeveloped agricultural land. Due to the scale

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

Year	Scale	Observations, Property and Adjoining Properties
		of the aerial photograph it is difficult to identify if structures are present within the Property.
1998	1:3,333	The Property appears to be undeveloped agricultural land. Due to the scale of the aerial photograph it is difficult to identify if structures are present within the Property.
1998	Google Earth	The Property is used for agricultural purposes. NO structures are visible on the Property except for the high voltage electrical towers that trend east-west across the southern portion of the Property. .
2005	Google Earth	The Property and surrounding area appears similar to the previous Google Earth aerial photograph.
2009	Google Earth	The Property and surrounding area appears similar to the previous Google Earth aerial photograph.
2013	Google Earth	The Property and surrounding area appears similar to the previous Google Earth aerial photograph.
2015	Google Earth	The Property and surrounding area appears similar to the previous Google Earth aerial photograph.

Name of aerial photograph source: EDR Aerial Photo Decade Package, dated March 1, 2016 and Google Earth.

4.4.3 City Directories

Stantec retained a third party to research available reverse city directories for the Property, in approximately five year intervals. Available historical city street directories were researched from 1975 through 2013 by EDR for the Property and addresses in the surrounding area. No RECs were identified as a result of Stantec’s review of the City Directory. A copy of the City Directory report is included in Appendix D.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

Stantec requested fire insurance maps from Environmental Data Resources Inc.; however, no coverage exists for the Property. The Sanborn® Map Search Report indicating “no coverage” is presented in Appendix D. The lack of this information does not represent a significant data gap.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

4.4.5 Historical Topographic Maps

Stantec reviewed historical Cantua Creek, Tranquillity, Coit Ranch, Levis, Englebrecht Ranch, and Tufts Ranch, United States Geological Survey (USGS) 7.5 and 15 Minute Topographic Quadrangle Maps (scales 1:24,000, 1:31,680, and 1:62,500) to help identify past Property usage and areas of potential environmental concern.

No RECs were noted during our review of the topographic maps. Copies of the historical maps are provided in Appendix B. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1922, 1923, 1924	1:31,680	<p>Topographic map shows northwest corner of Property. The Property and adjacent properties appear to be undeveloped. South Derrick Avenue (Highway 33) and West Adams Avenue are observed on the map. No visible structures or roads located on the Property.</p> <p>There is a ponding basin and a small structure visible approximately ½ mile south of West Adams Avenue near a dirt road in the approximate area of present day South Monterey Avenue. This is located on the adjacent property.</p>
1923	1: 31,680	<p>Topographic map shows southwest corner of Property. The Property and adjacent properties appear to be undeveloped. No visible structures are located on the Property. A dirt road transects the southwest corner of the Property trending northwest to southeast.</p>
1923	1: 31,680	<p>Topographic map shows southeast corner of Property. The Property and adjacent properties appear to be undeveloped except for the two structures observed near the southeast corner of the Property. An intermittent stream is shown near the southeast corner of the Property.</p>
1923, 1924	1: 31,680	<p>Topographic map shows northeast corner of Property. The Property and adjacent properties appear to be undeveloped except for a ponding basin and a structure observed near the northeast corner of the Property.</p> <p>There is an oil pumping station located northeast of the Property.</p>
1946	1:62,500	<p>Topographic map shows northeast corner of Property. The Property and adjacent properties appear to be undeveloped except for the ponding basin and structure observed south of the intersection of South Merced Avenue and West South Avenue. A series of dirt roads and a canal transect the northeast portion of the Property. The oil pumping station observed in the 1923-1924 topographic map is not shown on this map.</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

Year	Scale	Observations, Property and Adjoining Properties
1946	1:62,500	<p>Topographic map shows southeast corner of Property. The Property and adjacent properties appear to be undeveloped except for the grid pattern of dirt roads trending north-south and east-west.</p> <p>The two structures observed near the southeast corner of the Property in the 1923 topographic map have been removed. An intermittent stream is shown near the southeast corner of the Property.</p>
1946	1:62,500	<p>Topographic map shows southwest corner of Property. The Property and adjacent properties appear to be undeveloped. No visible structures are located on the Property.</p> <p>Midway Ranch is observed approximately 2 mile south of the southwest corner of the Property.</p>
1946	1:62,500	<p>Topographic map shows northwest corner of Property. The Property and adjacent properties appear to be undeveloped. A windmill is observed on the Property north of West Manning Avenue and on the east side of South Monterey Avenue. Dirt roads are observed on and along the perimeter of the Property.</p>
1947	1:24,000	<p>Topographic map shows northwest corner of Property. The Property and adjacent properties appear to be undeveloped. The windmill observed in the 1946 topographic map is observed on the Property along with a well that is located on the Property near the corner of South Monterey Avenue and West South Avenue. No other visible structures are located on the Property.</p>
1947	1:24,000	<p>Topographic map shows southwest corner of Property. The Property and adjacent properties appear to be undeveloped. No visible structures are located on the Property.</p> <p>Midway Ranch is observed approximately 2 mile south of the southwest corner of the Property.</p>
1947	1:24,000	<p>Topographic map shows southeast corner of Property. The Property and adjacent properties appear to be undeveloped except for the grid pattern of dirt roads trending north-south and east-west.</p> <p>An intermittent stream is shown near the southeast corner of the Property.</p>
1947	1:24,000	<p>Topographic map shows northeast corner of Property. The Property and adjacent properties appear to be undeveloped except for the ponding basin and structure observed south of the intersection of South Merced Avenue and West South Avenue. A series of dirt roads and an abandoned canal transect the northeast portion of the Property.</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

Year	Scale	Observations, Property and Adjoining Properties
		The oil pumping station structures observed in the 1923-1924 topographic map are shown on this map however, the site is not labeled as an oil pumping station.
1956	1:24,000	<p>Topographic map shows northeast corner of Property. The Property and adjacent properties appear to be undeveloped except for several wells located on and adjacent to the Property. The ponding basin and structure observed south of the intersection of South Merced Avenue and West South Avenue in the 1947 topographic map are no longer shown. A grid pattern of dirt roads transect the Property.</p> <p>The oil pumping station northeast of the Property is no longer shown.</p>
1956	1:24,000	<p>Topographic map shows southeast corner of Property. The Property and adjacent properties appear to be undeveloped except for the grid pattern of dirt roads trending north-south and east-west and several wells located on and adjacent to the Property.</p> <p>An overhead electrical power line is shown transecting the southern portion of the Property. The power line trends east-west.</p> <p>The previous intermittent stream is no longer shown near the southeast corner of the Property.</p> <p>A ponding basin is shown on the adjacent property south of West Dinuba Avenue.</p>
1956	1:24,000	Topographic map shows northwest corner of Property. The Property and adjacent properties appear to be undeveloped. No other visible structures are located on the Property except for two wells located on the Property on the east side of South Monterey Avenue.
1956	1:24,000	<p>Topographic map shows southwest corner of Property. The Property and adjacent properties appear to be undeveloped except for the grid pattern of dirt roads trending north-south and east-west and several wells located on and adjacent to the Property.</p> <p>An overhead electrical power line is shown transecting the southern portion of the Property. The power line trends east-west.</p>
1971	1:24,000	Topographic map shows southwest corner of Property. The Property and adjacent properties appear to be undeveloped. The Property and surrounding areas appear similar to the 1956 topographic map.
1971	1:24,000	Topographic map shows northwest corner of Property. The Property and adjacent properties appear to be undeveloped. The Property and surrounding areas appear similar to the 1956 topographic map.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

RECORDS REVIEW
April 28, 2016

Year	Scale	Observations, Property and Adjoining Properties
1971	1:24,000	Topographic map shows southeast corner of Property. The Property and adjacent properties appear to be undeveloped. The Property and surrounding areas appear similar to the 1956 topographic map.
1984	1:24,000	Topographic map shows southwest corner of Property. The Property and adjacent properties appear to be undeveloped. The Property and surrounding areas appear similar to the 1971 topographic map.
1984	1:24,000	Topographic map shows northwest corner of Property. The Property appears to be undeveloped. The Property and surrounding areas appear similar to the 1971 topographic map, except for several structures that have been built the adjacent properties west of the Property.
1984	1:24,000	Topographic map shows southeast corner of Property. The Property and adjacent properties appear to be undeveloped. The Property and surrounding areas appear similar to the 1971 topographic map.
1984	1:24,000	Topographic map shows northeast corner of Property. The Property and adjacent properties appear to be undeveloped except for some additional wells installed on the Property and the adjacent properties. A canal has been built northeast of the Property.
2012	1:24,000	Topographic map shows northeast corner of Property. The Property appears to be undeveloped. The Property and surrounding areas appear similar to the 1984 topographic map.
2012	1:24,000	Topographic map shows southeast corner of Property. The Property appears to be undeveloped. The Property and surrounding areas appear similar to the 1984 topographic map.
2012	1:24,000	Topographic map shows northwest corner of Property. The Property appears to be undeveloped. The Property and surrounding areas appear similar to the 1984 topographic map.
2012	1:24,000	Topographic map shows southwest corner of Property. The Property appears to be undeveloped. The Property and surrounding areas appear similar to the 1984 topographic map.

Name of maps and source: EDR Historical Topographic Report, dated March 1, 2016

4.4.6 Other Historical Sources

No other historical sources were researched.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

POTENTIAL FOR VAPOR ENCROACHMENT
April 28, 2016

5.0 POTENTIAL FOR VAPOR ENCROACHMENT

Additionally, consideration of the migration of hazardous substances and petroleum products in all phases including solid, liquid, or vapor is required by the ASTM E 1527-13 standard. As stated in Section 2.1 of ASTM E 1527-13:

Vapor migration must be considered no differently than contaminated groundwater migration in the Phase I investigation. While E2600-10 provides an industry consensus methodology to assess vapor migration, use of E2600-10 methodology is not required to achieve compliance with AAI; an Environmental Professional may use alternative methodology as deemed appropriate, but this must be documented in the Phase I report (i.e., it must be "capable of being reconstructed by an Environmental Professional other than the Environmental Professional responsible for the Phase I").

As presented below, analysis of the potential for onsite or offsite releases to have affected the Property via migration through soil, groundwater or soil vapor was performed with consideration given to media affected, distance from the Property, remedial actions taken, type of contaminants, subsurface conditions, and location of the source relative to groundwater gradient.

Based on the Property inspection, review of adjacent properties, and available environmental records, the likelihood for vapor intrusion at the Property is considered low based on the following:

- No releases are reported for adjacent sites or sites within a quarter mile up-gradient relative to groundwater flow;
- No listings for neighboring sites indicate usage or spillage of hazardous materials therefore they do not pose a vapor intrusion threat;
- No indication of manufacturing operations or usage or spillage of hazardous materials was identified for neighboring properties;
- No evidence of potential operations that would impact soil vapor was identified for the Property;
- Although evidence of agricultural use was identified, pesticides and associated chemicals, if present at all, do not pose a vapor intrusion risk.

Therefore, Stantec recommends no investigation of soil vapor for the Property.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

SITE RECONNAISSANCE
April 28, 2016

6.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Mr. Michael Myers on March 22, 2016. Access to the Property was provided by Marisa Mitchell of Recurrent Energy. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in Appendix A.

6.1 SITE RECONNAISSANCE METHODOLOGY

The Property reconnaissance focused on observations of current conditions and observable indications of past uses and conditions that may indicate the presence of RECs. The Property reconnaissance was conducted by a vehicle and on foot. Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.
- Traverse the periphery of all structures on the Property, if any, provided access to the parcel was provided.

Weather conditions during the visit to the Property were clear and sunny. There were no weather related property access restrictions encountered during the reconnaissance visit.

6.2 GENERAL DESCRIPTION

Property and Area Description:	<p>The Property is located at the southeast corner of the intersection of South Derrick Avenue and West Manning Avenue in an unincorporated area of Fresno County, California, and southwest of the City of Tranquillity.</p> <p>The Property is irregularly shaped and is bound by a series of paved and unnamed dirt roads (Figure 2). South Derrick Avenue, West Adams Avenue, and West Manning Avenue are paved with asphalt and form a portion of the Property boundaries (Figure 2).</p> <p>The Property comprises approximately 4,380-acres. The Property is currently used for agricultural purposes. The Property is relatively flat with a slight gradient to the east-northeast. Some of the parcels were newly tilled with the remaining parcels are fallow with grasses, weeds, and shrubs.</p>
---------------------------------------	--

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

	The adjacent properties are used for agricultural/grazing lands except for the property located adjacent to the northeast corner of APN 028-071-23ST which contains a PG&E electrical substation and a property near the northwest corner of the Property that has been developed as a commercial solar electrical generation facility.
Property Operations.	The Property is used for agriculture.
Structures, Roads, Other Improvements:	The Property is bordered by and transected by dirt roads. Westland Water District valves and distribution lines were observed throughout Property. There are agricultural wells observed on the Property.
Property Size (acres):	Approximately 4,380 acres.
Estimated % of Property Covered by Buildings and/or Pavement:	<1%
Observed Current Property Use/Operations:	Agriculture.
Observed Evidence of Past Property Use(s):	The Property was historically used for agricultural.
Sewage Disposal Method (and age):	None observed.
Potable Water Source:	None observed.
Electric Utility:	There are overhead electrical lines located on numerous portions of the Property. Three pole mounted electrical transformers were observed on the Property.

6.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

During the site reconnaissance several findings were observed on the Property and due to the size and layout of the Property the field observations were identified as Sites 1 through 6 and are referenced on Figure 2. The following table summarizes Stantec's observations during the Property reconnaissance.



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

Observations	Description/Location
<p>Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):</p>	<p>There are large diesel aboveground storage tanks (ASTs) located on the ground at Sites 1 through 3 (Figure 2). Site 1 is located northeast of the intersection of West Manning Avenue and South Oil City Avenue; Site 2 is located southwest of the intersection of West Manning Avenue and South San Mateo Avenue; and Site 3 is located on the north side of West Dinuba Avenue between South Stanislaus Avenue and South San Mateo Avenue. Sites 1 through 3 have diesel powered engines that are used to power the pump on the agricultural well. The diesel engines have associated small oil ASTs associated with the engines.</p> <p>Site 4, located northeast of the intersection of South Derrick Avenue and West Dinuba Avenue, has an existing agriculture well with small turbine oil AST. The pump has been removed from this well however the turbine oil AST remains in place.</p> <p>Site 5, located along an unnamed dirt road halfway between South Derrick Avenue and South Monterey Avenue and south of West Manning Avenue, contains an unmarked trailer-mounted fuel AST (Figure 2).</p>
<p>Drums (≥ 5 gallons):</p>	<p>Site 5 contains an empty unlabeled 55 gallon metal drum, no soil staining was observed around the drum.</p>
<p>Strong, Pungent, or Noxious Odors:</p>	<p>None detected.</p>
<p>Pools of Liquid:</p>	<p>None observed.</p>
<p>Unidentified Substance Containers:</p>	<p>Site 5 contains an unmarked fuel trailer (Figure 2).</p>
<p>PCB-Containing Equipment:</p>	<p>Electrical transformers, hydraulic equipment capacitors, fluorescent light fixtures, and similar equipment may contain polychlorinated biphenyls (PCBs) in the hydraulic fluids or dielectric insulating fluids within the units. The federal Toxic Substances Control Act (TSCA) generally prohibited the domestic manufacture of PCBs after 1979. There is, however, potential that the dielectric fluid in electrical and hydraulic equipment manufactured and constructed prior to that date contains PCBs.</p> <p>No electrical or hydraulic equipment was observed on</p>

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

Observations	Description/Location
	the Property except for three pole mounted electrical transformers. Two of the pole mounted transformers were located at the southwest corner of West Adams Avenue and South Merced Avenue (dirt road) near the northeast corner of APN 028-071-23S and the third pole mounted transformer was located at Site 3 near the southeast corner of the Property. The transformers were in good shape with no signs of leakage.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

6.4 INTERIOR OBSERVATIONS

There are no structures located on the Property.

Observations	Description
Heating/Cooling Method:	None observed.
Surface Stains or Corrosion:	None observed.
Floor Drains and Sumps:	None observed.
Other Interior Observations:	None observed.

6.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	<p>There was soil staining under the turbine oil ASTs, engine oil ASTs and around the base of the agriculture pumps observed at the following locations:</p> <ul style="list-style-type: none"> • Site 1: staining was observed around the south and east sides of diesel AST; on the support boards of agriculture pump; in the soil around and underneath diesel engine, turbine oil AST; and engine oil AST. • Site 2: staining was observed at east end of large fuel

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

Observations	Description
	<p>AST; at the base of turbine oil AST; underneath the diesel engine; and underneath the engine oil AST.</p> <ul style="list-style-type: none"> • Site 3: staining was observed in the soil below the turbine oil AST; engine oil AST; and the diesel engine. • Site 4: staining was observed in the soil below the turbine oil AST and agriculture pump.
Stressed Vegetation:	None observed.
Waste Streams/ Waste Collection Areas:	None observed.
Solid Waste Disposal:	There is a pile of trash/debris located near the southwest corner of the Property on APN 028-111-01ST. The debris consists mainly of old agriculture irrigation hoses and does not represent an environmental concern.
Potential Areas of Fill Placement:	No mounds, piles or depressions suggesting the placement of fill material were observed on the Property.
Wastewater:	No exterior wastewater discharge was observed.
Storm Water:	During a rain event the majority of water accumulating on the surface would be expected to seep into the ground. Any water runoff would be expected to follow surface topography which slopes to the east-northeast.
Wells:	<p>The agricultural wells at Sites 1 and 3 are active wells.</p> <p>The wells at Sites 1 and 4 are currently inactive. The well casing has been removed from the well at Site 2 and the pump has been removed from the well at Site 4.</p> <p>There is a Westlands Water District pump located near the northeast corner of the Property near the northeast corner of APN 028-071-23ST. There was no soil staining or stressed vegetation located around the base of the pump.</p> <p>There were several sets of monitoring wells located on the adjacent properties near the northeast corner of the Property.</p>
Septic Systems:	None observed.
Other Exterior Observations:	None observed.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

6.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of underground storage tanks (USTs), was discovered during the site reconnaissance.
Former USTs:	A review of the regulatory agency database search for the Property and surrounding area performed by EDR indicated that no permitted USTs containing petroleum or other hazardous materials are, or were, present at the Property.
Other Underground Structures:	Westlands Water District underground distribution lines were observed throughout Property. The Westlands Water District distribution lines are identified by the light blue valves and piping protruding from the ground.

6.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	<p>The following is a listing of the ASTs on the Property:</p> <ul style="list-style-type: none"> • Three fuel ASTs located at Sites 1 through 3. • Engine oil ASTs associated with diesel agriculture engines located at Sites 1 through 3. • Turbine oil ASTs associated with the agricultural well locations at Sites 1 through 4. • An unmarked trailer-mounted poly AST is located at Site 5. • An unmarked trailer-mounted metal fuel AST at Site 5. • A small water tank and 25 gallon propane tank associated with a camper trailer located at Site 5. • A trailer-mounted water AST located along South Monterey Avenue on APN 028-071-34T. <p>The following is a listing of the ASTs located on the adjacent properties:</p> <ul style="list-style-type: none"> • Two large ASTs located at the PG&E Substation located northeast of the Property. • Site 6 has an agricultural well with a turbine oil AST, and diesel engine oil AST, and fuel AST, and two poly tanks containing agricultural chemicals (Pure Flo, a scale inhibitor and Aura Klor a corrosive liquid that contains potassium hypochlorite). <p>There was no other visible evidence (fill pipes, vent pipes, dispensers, surface stains), which would indicate the presence of ASTs, was discovered during the site reconnaissance.</p>
Former ASTs:	A review of the regulatory agency database search for the Property and surrounding area performed by EDR indicated that no permitted ASTs containing petroleum or other hazardous materials are, or were, present at the Property.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

6.8 ADJOINING PROPERTIES

6.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	Agricultural use/undeveloped land and a PG&E substation.
SOUTH	Agricultural use/undeveloped land
EAST	Agricultural use/undeveloped land.
WEST	Agricultural use/undeveloped land. There are two large agriculture based structures located near the northwest corner of APN 028-071-23ST and a commercial solar electrical generating facility.

Refer to Figure 2.

6.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	Agricultural use/undeveloped land
SOUTH	Agricultural use/undeveloped land
EAST	Agricultural use/undeveloped land.
WEST	Agricultural use/undeveloped land

6.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	There is a large ponding basin located north of APN 028-071-23ST.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

6.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	The Property is located at the southeast corner of the intersection of South Derrick Avenue and West Manning Avenue in an unincorporated area of Fresno County, California, and southwest of the City of Tranquillity.
---	--



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

SITE RECONNAISSANCE
April 28, 2016

	<p>The Property and surrounding area is currently used for agriculture purposes, Commercial solar generating facility, and a PG&E electrical substation.</p> <p>The Property elevation varies from approximately 170 to 200 feet amsl. The Property is generally flat and the regional topographic gradient slopes gently to the east-northeast.</p>
--	--

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

INTERVIEWS
April 28, 2016

7.0 INTERVIEWS

The ASTM standard requires that the Environmental Professional request information from the Owner/Key Site Manager to assist in the identification of RECs, CRECs, HRECs, or *de minimis* conditions in connection with the Property. Stantec provided the ASTM recommended Owners Questionnaires to Marisa Mitchell, a representative of Recurrent Energy to give to the Property owner(s). Stantec did not receive a copy of the completed Owners Questionnaire prior to the completion of this report.

The lack of an Owners Questionnaires for the Property does not represent a significant data gap and is unlikely to alter the conclusions or recommendations of this report.

7.1 FINDINGS FROM INTERVIEWS WITH MAJOR OCCUPANTS/OTHERS

The Property is agricultural land, there are no major occupants at the Property, and therefore no interviews were conducted with occupants. The lack of this information does not represent a significant data gap.

7.2 FINDINGS FROM INTERVIEWS WITH PROPERTY NEIGHBORS

No property neighbors were interviewed. The lack of this information does not represent a significant data gap.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

EVALUATION
April 28, 2016

8.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

8.1 FINDINGS AND OPINIONS

Stantec's interpretation of historical records indicates the majority of the Property has remained undeveloped since at least 1922. Aerial photographs show that the Property was used for agricultural/grazing land from prior to 1955 to present. The surrounding properties were also used for agricultural purposes prior to 1955 to present.

Information gathered from interviews, reviews of existing data review, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

Finding 1: Stantec's interpretation of historical records shows the Property was used for agricultural purposes from prior to 1955 until present. Although Stantec observed no evidence of use, overuse or spillage of agricultural chemicals at the Property, there was a possibility that various pesticides, herbicides, and fertilizers could have historically been used at the Property. The surrounding properties have also been historically used for agricultural purposes.

Opinion 1: In order to determine whether the historical agricultural use of the Property involved the application of pesticides or heavy metal-containing herbicides (*i.e.*, arsenic and lead), Stantec completed a Phase II subsurface investigation to sample and analyze soil at the Property to determine whether pesticides, arsenic or lead are present at levels exceeding regulatory thresholds. The results of the Phase II subsurface investigation, which are presented in Stantec's Phase II Report (under separate cover), showed pesticides and lead at levels well below applicable regulatory thresholds and arsenic at levels well within naturally-occurring regional background levels. Accordingly, Stantec concludes that the historical agricultural use of the Property does not represent a recognized environmental condition and Stantec recommends no further investigation regarding this issue.

Finding 2: The Property was used for agricultural purposes from prior to 1955 until present. In light of the historic agricultural usage of the Property, the potential presence of transite irrigation pipe cannot be ruled out.

Opinion 2: Transite piping sometimes contains asbestos. In the event that any transite piping is discovered during the site development activities, Stantec recommends that Recurrent Energy's Engineering, Procurement, and Construction Contractor

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

EVALUATION
April 28, 2016

engage an environmental consultant to sample the transite piping for the presence of asbestos prior to handling it and, if necessary (depending on the results), engage a certified asbestos abatement contractor to abate asbestos-containing piping in accordance with all applicable laws, including OSHA guidelines.

Finding 3: Stantec was not able to obtain historical records that document the Property history in 5-year intervals. These data failures represent data gaps.

Opinion 3: The lack of review of this information is not considered significant. Based on the information obtained during the course of this ESA, the absence of this information did not appear to affect the ability of the Environmental Professionals to identify RECs, HRECs, or *de minimis* conditions.

Finding 4: An environmental records search was performed and identified sites within their respective ASTM E 1527-13 search radii of the Property.

Opinion 4: None of the sites identified in the environmental records search report represent a recognized environmental condition to the Property based on one or more of the following reasons: distance from the Property, position of the facilities with respect to presumed groundwater flow direction, condition of the native soils, and/or regulatory status. The environmental records search identified no RECs, HRECs, or *de minimis* conditions at or near the Property.

Finding 5: One trash/debris pile was observed at the Property. The debris pile contained old agriculture irrigation hoses. Stantec observed no soil staining or stressed vegetation around the debris piles or drum.

Opinion 5: Stantec concludes that the debris pile does not represent a recognized environmental condition, and recommends no further investigation regarding this issue. In connection with site development activities, however, Recurrent Energy's Engineering, Procurement, and Construction Contractor should remove all trash and debris piles from the Property for off-site disposal at a local landfill, and should obtain waste receipts from the landfill for Recurrent's records.

Finding 6: There are two active agricultural wells on the Property; located at Sites 1 and 3.

Opinion 6: The presence of these wells and any other unknown well(s) does not represent a REC, HREC, or *de minimis* condition with respect to the Property. If the existing wells are no longer needed, however, the wells should be abandoned in accordance with all applicable laws.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

EVALUATION
April 28, 2016

Finding 7: There are two inactive agricultural wells on the Property; located at Sites 2 and 4. The well located at Site 2 is currently being service and has had the pump disassembled and removed along with all internal well casings. The pump at Site 4 has been removed and the well has been disconnected from the connecting irrigation line.

Opinion 7: The inactive wells do not represent a REC, HREC, or *de minimis* condition to the Property, Stantec recommends that if the wells are not planned on being used the wells should be abandoned in accordance with current regulations. Otherwise, however, Stantec recommends no further action or investigation regarding the capped agricultural wells.

Finding 8: There is a PG&E electrical substation located northeast of the Property, near the northeast corner of APN 028-071-23ST. The substation contains two large ASTs. The contents of the two ASTs are unknown.

Opinion 8: The PG&E substation is located down gradient of the Property with respect to groundwater flow therefore, Stantec concludes that the substation does not represent a recognized environmental condition and recommends no further investigation regarding this issue.

Finding 9: Three pole-mounted electrical transformers were observed on the Property. The transformers appeared to be in good condition and Stantec observed no evidence of any leaking, spills or releases in the vicinity of the electrical transformers.

Opinion 9: Stantec concludes that the transformers do not represent a recognized environmental condition and recommends no further investigation regarding this issue.

Finding 10: Stantec observed soil staining under the turbine oil ASTs", diesel powered agricultural engines, and engine oil ASTs observed at Sites 1 through 3. Stantec observed oil staining around the base of the agricultural pump only at Site 4.

Opinion 10: Stantec concludes that the presence of the petroleum products and observed soil staining is considered a REC to the Property and recommends a Phase II subsurface investigation to determine the nature of the material present in soil, the extent of the material, and to determine if hazardous substances are present above regulatory threshold or hazardous waste levels at each of the identified sites.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

EVALUATION
April 28, 2016

- Finding 11: There are three fuel ASTs located at Sites 1 through 3. Soil staining was observed around the fuel AST at Site 1 and minor soil staining was observed around the fuel ASTs at Sites 2 and 3.
- Opinion 11: Stantec concludes that the presence of the petroleum products and observed soil staining is considered a REC to the Property and recommends a Phase II subsurface investigation to determine the nature of the material present in soil, the extent of the material, and to determine if hazardous substances are present above regulatory threshold or hazardous waste levels at each of the identified sites.
- Finding 12: Stantec observed a trailer-mounted metal fuel AST located on Site 5 at the center of APN 028-111-01ST. The contents of the fuel AST are unknown. Stantec observed no soil staining or stressed vegetation around the perimeter of the fuel trailer. Stantec concludes that the fuel AST does not represent a recognized environmental condition and recommends no further investigation regarding this issue.
- Opinion 12: Stantec concludes that the fuel AST does not represent a REC and recommends no further investigation regarding this issue.
- Finding 13: Stantec reviewed the Preliminary Title Report prepared by First American Title Company. The findings are as follows: there are easements for water pipelines and incidental purposes on all of the APNs by Westlands Water District; there were oil, gas, and mineral rights on 23 of the 28 APNs; and the Preliminary Title Report stated that it may not list all liens, defects, and encumbrances affecting title to the land.
- Opinion 13: The document does not appear to identify any environmental concerns associated with the Property, but Stantec recommends that a revised title report be prepared that lists any and all of the liens, defects, and encumbrances affecting title to the land.

8.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

EVALUATION
April 28, 2016

Gap	Discussion
Deletions or Exceptions From Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions To Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps From Environmental Records Review:	An environmental lien search was not requested by the client and was not performed by Stantec. Stantec was provided a copy of the Preliminary Title Report to review. The Preliminary Title Report stated that it may not list all liens, defects, and encumbrances affecting title to the land. This data failure represents a data gap – but not a significant data gap, but Stantec recommends obtaining and reviewing a Title report that lists all liens, defects, and encumbrances affecting the title to the land.
Data Gaps From Historical Records Review:	<p>Stantec requested fire insurance maps from Environmental Data Resources Inc.; however, no coverage exists for the Property. The lack of this information does not represent a significant data gap.</p> <p>The client did not provide and Stantec did not obtain historical records that document the property history in 5-year intervals and this resulted in significant data gaps. These data failures represent data gaps; however, these data gaps are not considered significant.</p> <p>The client did not require Stantec to search results for environmental liens or activity and use limitations encumbering the Property. These data failures represent data gaps; however, these data gaps are not considered significant.</p> <p>Based on the information obtained during the course of this ESA and general knowledge of development at and near the Property, the absence of the historical records did not affect the ability of the Environmental Professionals to identify RECs, HRECs, CRECs, or <i>de minimis</i> conditions. The lack of this information does not represent a significant data gap.</p>
Data Gaps From Interviews:	The Owner Questionnaire was not returned to Stantec prior to the preparation of this report. The absence of this information did not appear to affect the ability of the Environmental Professional to identify RECs, HRECs, or <i>de minimis</i> conditions and does not represent a significant data gap.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

EVALUATION
April 28, 2016

Gap	Discussion
	The adjacent property neighbors were not interviewed as part of the Phase I ESA since there was no activity on the Property. The lack of this information does not represent a significant data gap.
Other Data Gaps:	None

8.3 CONCLUSIONS

Stantec has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of RE Scarlet LLC in Fresno County, California, the Property. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- Stantec observed soil staining in the vicinity of the agricultural well sites (Sites 1 through 4). Soil staining was observed around the fuel ASTs located at Sites 1 through 3; under and around the agricultural wells, turbine oil ASTs, diesel powered agricultural engines, and engine oil ASTs observed at Sites 1 through 3; and around the base of the agricultural pump at Site 4. Stantec concludes that the presence of the petroleum products and observed soil staining is considered a REC to the Property and recommends performing a Phase II subsurface investigation to sample and analyze soil to determine whether petroleum hydrocarbons are present at concentrations exceeding regulatory thresholds.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

NON-SCOPE CONSIDERATIONS
April 28, 2016

9.0 NON-SCOPE CONSIDERATIONS

No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA with the following exceptions:

9.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

- The age of the dwelling as follows: maximum risk is from paint applied before 1950.

- There is severe risk from paint applied before 1960.

- There is moderate risk from deteriorated paint applied before 1970.

- There is slight risk from the paint that is intact but applied before 1977.

- The condition of the painted surfaces.

- The presence of children and certain types of households in the building.

- Previously reported cases of lead poisoning in the building or area.

There were no structures observed on the Property. Therefore, LBP does not represent an environmental concern to the Property.

9.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is asbestos containing materials (ACM) that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

NON-SCOPE CONSIDERATIONS
April 28, 2016

Given the historic agricultural usage of the Property, the potential presence of transite pipe cannot be ruled out. If suspected subsurface piping is encountered, it should be considered asbestos containing until samples are collected and analyzed to determine the actual content and to determine the method of removal and disposal.

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Due to the lack of structures at the Property, and with the potential exception of asbestos in subsurface piping (if present, and if it contains asbestos), asbestos does not represent an environmental concern to the Property and Stantec recommends no further investigation regarding this issue.

9.3 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993). Stantec reviewed regional data published by the EPA (<http://www.epa.gov/radon/zonemap.html>) on average indoor radon concentrations in the vicinity of the Property.

The Property is located in an area designated as Federal EPA Radon Zone Level 2 with an average indoor screening level greater than or equal to 2 pCi/L and less than or equal to 4 pCi/L. According to the EDR Radius Atlas Report (Page A-120), 98% of the tests exhibited levels less than 4 pCi/L; 2% of the 1 test exhibited levels between 4 pCi/L and 20 pCi/L in the living area, first floor. The Property is not residential and there are no occupied subgrade areas, radon is unlikely to represent an environmental concern to the Property and Stantec recommends no further investigation regarding this issue.

9.4 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, portions of the Property are located within the 100-year flood plain. Stantec also searched the Federal Emergency Management Agency flood plain map service at www.msc.fema.gov and reviewed the Flood Insurance Rate Maps 06019C2025H and 06019C2525H dated February 18, 2009, portions of the Property are located within the 100-year flood plain.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

NON-SCOPE CONSIDERATIONS
April 28, 2016

9.5 PESTICIDES

The Property was used for agricultural purposes from prior to 1955 until present. In order to determine whether the historical agricultural use of the Property involved the application of pesticides or heavy metal-containing herbicides (*i.e.*, arsenic and lead), Stantec completed a Phase II subsurface investigation to sample and analyze soil at the Property to determine whether pesticides, arsenic or lead are present at levels exceeding regulatory thresholds. The results of the Phase II subsurface investigation, which are presented in Stantec's Phase II Report (under separate cover), showed pesticides and lead at levels well below applicable regulatory thresholds and arsenic at levels well within naturally-occurring regional background levels. Accordingly, Stantec concludes that the historical agricultural use of the Property does not represent a recognized environmental condition and Stantec recommends no further investigation regarding this issue.

9.6 DRY-CLEANING OPERATIONS

No dry-cleaning operations were reported or observed at or near the Property. The historical review did not indicate a potential for past dry-cleaning operations on the Property or in the vicinity. Stantec recommends no further investigation regarding this issue.

PHASE I ENVIRONMENTAL SITE ASSESSMENT RE SCARLET LLC

REFERENCES

April 28, 2016

10.0 REFERENCES

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), Digital Online Mapping System <http://maps.conservation.ca.gov/doms/doms-app.html>.

California Department of Conservation, Division of Mines and Geology (CDMG), 2002, California Geomorphic Provinces, Note #36.

_____, 2000, Digital Images of Alquist-Priolo Earthquake Fault Zones of California, Central Coast Region, CD 2000-004.

_____, 1994, Fault Activity Map of California and Adjacent Areas with Locations and Ages of Volcanic Eruptions, scale 1:750,000.

California Water Resources Control Board (SWRCB), 2016, GeoTracker Database, website download from <http://geotracker.swrcb.ca.gov/>

Department of Toxic Substances Control, 2016. Envirostor database website, downloaded from <http://www.envirostor.dtsc.ca.gov/public/>

Environmental Data Resources, Inc., EDR Radius Map with Geocheck, Inquiry Number 4550794.2s, dated February 29, 2016.

_____, Aerial Photo Decade Package, Inquiry Number 4550794.9, dated March 1, 2016.

_____, Historical Topographic Map Report, Inquiry Number 4550794.4, dated March 1, 2016.

_____, Certified Sanborn Map Report, Inquiry Number 4550794.3, dated February 29, 2016.

_____, City Directory Image Report, Inquiry Number 4550794.5, dated March 3, 2016.

United States Geological Survey (USGS), 1984, Cantua Creek Quadrangle, 7.5 Minute Topographic Map, Scale 1:24,000 feet.

United States Geological Survey (USGS), 1984, Tranquillity Quadrangle, 7.5 Minute Topographic Map, Scale 1:24,000 feet.

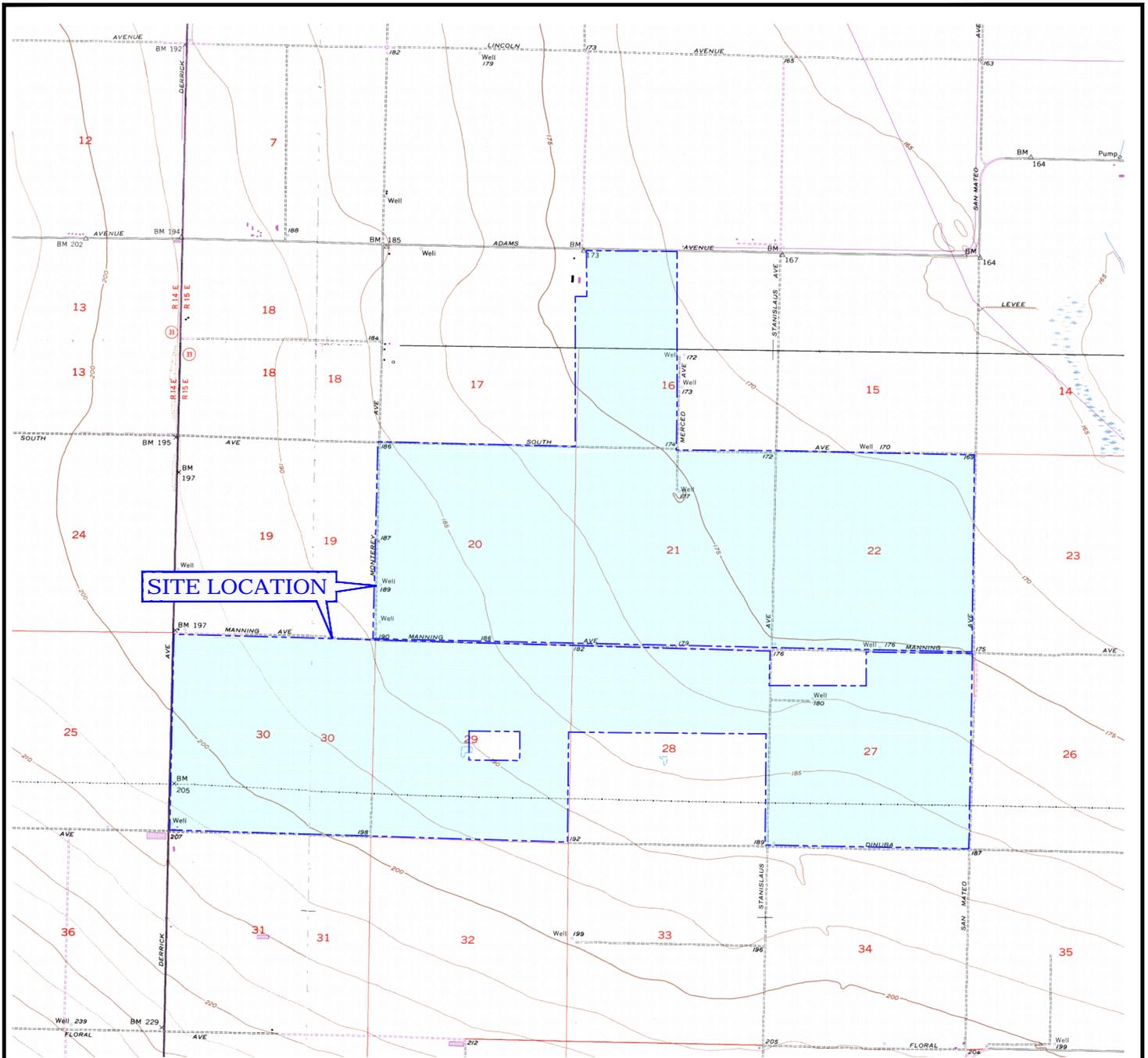
United States Geological Survey (USGS), 1984, Coit Ranch Quadrangle, 7.5 Minute Topographic Map, Scale 1:24,000 feet.

United States Geological Survey (USGS), 1984, Levis Quadrangle, 7.5 Minute Topographic Map, Scale 1:24,000 feet.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

FIGURES
April 28, 2016

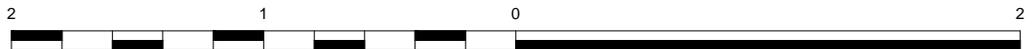
Figure 1 Site Location Map



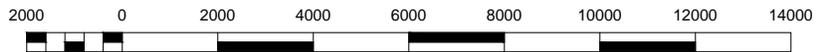
SITE LOCATION



CALIFORNIA



SCALE IN MILE



SCALE IN FEET

REFERENCE: CA Digital Raster Graphics(<http://gis.ca.gov/casil/usgs.gov/>)
 7.5 Minute Series, Albers NAD83, Trimmed
 Block o36120e3,e4,f3,f4, Dated 1956; Revised 1984



3475 WEST SHAW AVENUE, SUITE 104
 FRESNO, CALIFORNIA
 PHONE: (559) 271-2650 FAX: (559) 271-5108

FOR:

RE SCARLET LLC
 PHASE I ESA
 FRESNO COUNTY, CALIFORNIA

SITE LOCATION MAP

FIGURE:

2

JOB NUMBER:
185703320

DRAWN BY:
JBL

CHECKED BY:
MM

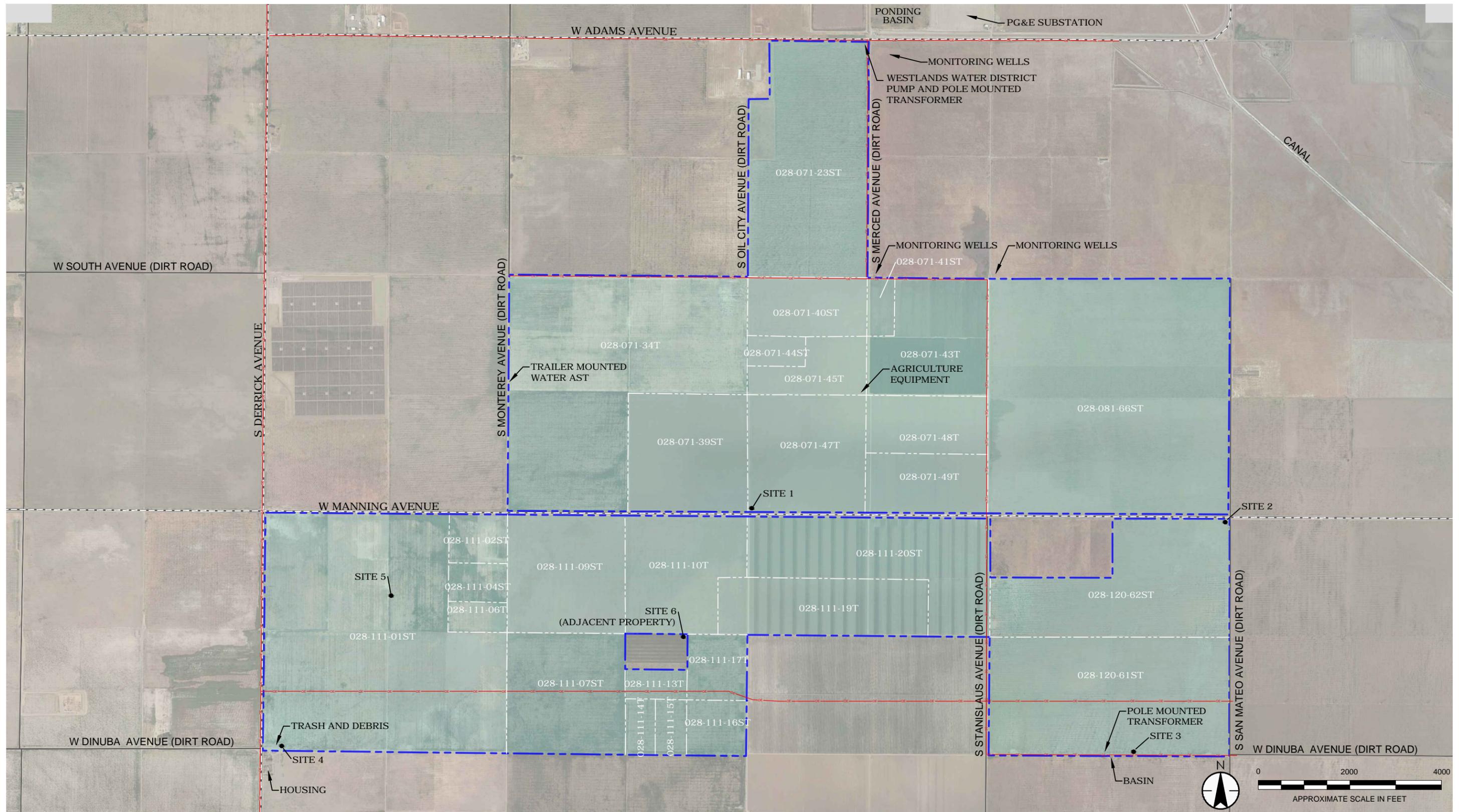
APPROVED BY:
RC

DATE:
03/28/16

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

FIGURES
April 28, 2016

Figure 2 Site Map



LEGEND
 - - - - - OE APPROXIMATED OVERHEAD ELECTRICAL
 - - - - - APPROXIMATED PROPERTY BOUNDARY
 - - - - - APPROXIMATE PARCEL BOUNDARY

REFERENCE:
 PARCEL BOUNDARIES OBTAINED FROM THE COUNTY OF FRESNO AND ARE APPROXIMATE. AERIAL IMAGE OBTAINED FROM A LICENSED VERSION OF GOOGLE EARTH PRO AND IS APPROXIMATE.

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

 3475 WEST SHAW AVENUE, SUITE 104 FRESNO, CALIFORNIA PHONE: (559) 271-2650 FAX: (559) 271-5108	FOR: RE SCARLET LLC PHASE I ESA FRESNO COUNTY, CALIFORNIA		FIGURE: 2	
	JOB NUMBER: 185703320	DRAWN BY: JBL	CHECKED BY: MM	APPROVED BY: RC

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

FIGURES
April 28, 2016

Figure 3 Westlands Water District Distribution Lines

10/11/07-1.2012

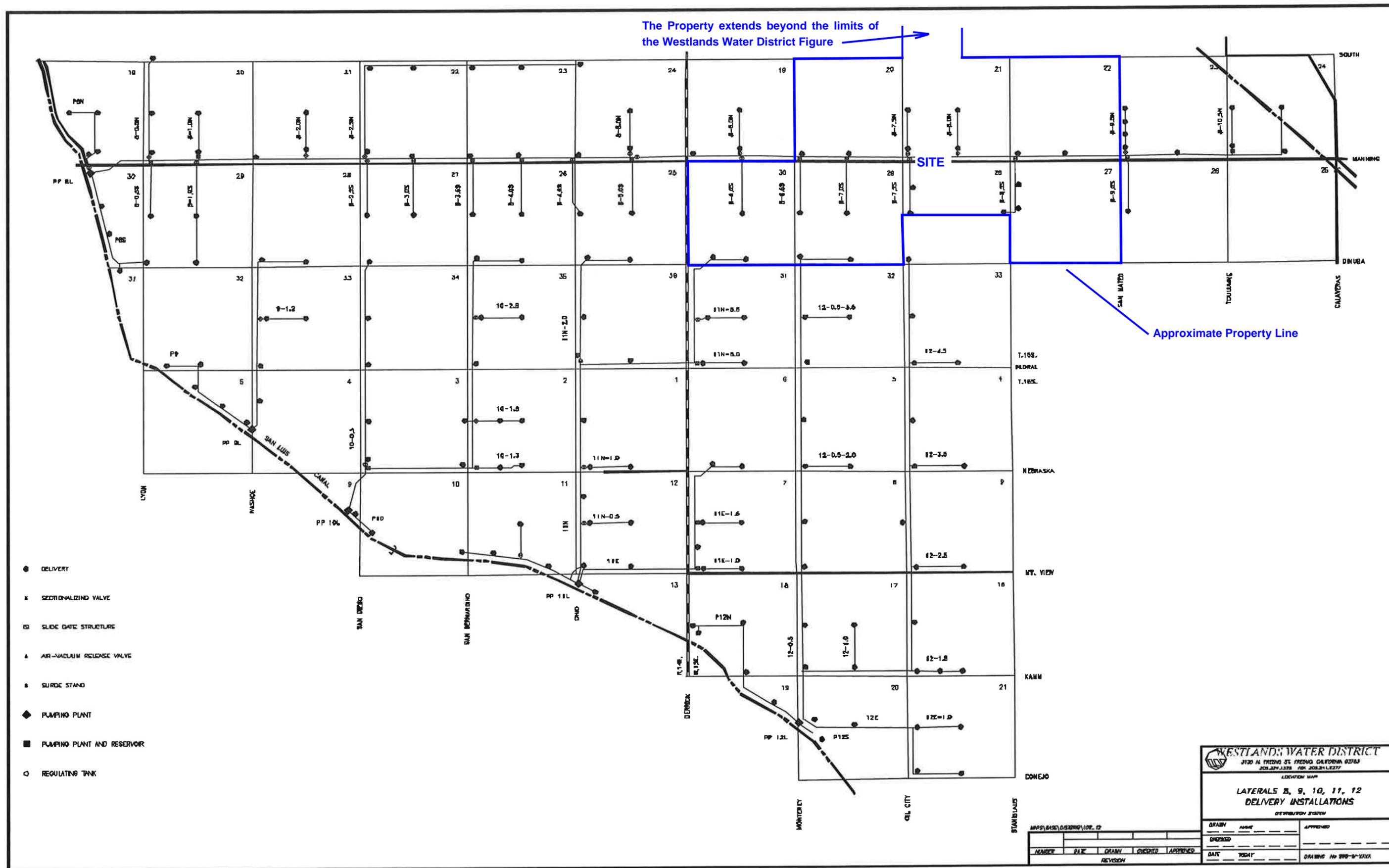


Figure 3

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix A
PHOTOGRAPHS OF THE PROPERTY AND VICINITY
April 28, 2016

**Appendix A
PHOTOGRAPHS OF THE PROPERTY AND VICINITY**

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 1



PG&E electrical substation located adjacent property northwest of APN 028-071-23ST
Two large ASTs, contents unknown.

Photograph No. 2



Two pole mounted transformers located at the northeast corner of APN 028-071-23ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 3



Northeastern corner of APN 028-071-23ST looking west.

Photograph No. 4



Northeastern corner of APN 028-071-23ST looking south.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 5



Monitoring wells located on adjacent property east of APN 028-071-23ST.

Photograph No. 6



Concrete standpipe located along east side of APN 028-071-23ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 7



Ponding basin located on adjacent property north of APN 028-071-23ST.

Photograph No. 8



Small house, RV, camp trailer and water tower located on adjacent property west of APN 028-071-23ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

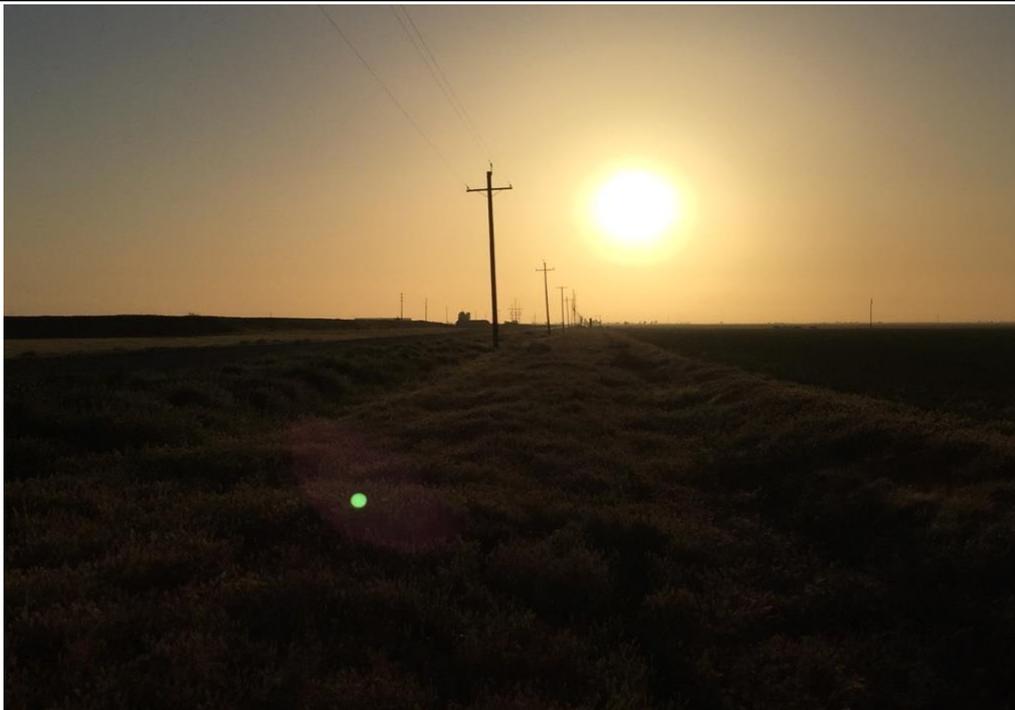
Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 9



Two large agriculture structures, small electrical power shed, two abandoned vehicles and a pole mounted transformer located on adjacent property west of APN 028-071-23ST.

Photograph No. 10



Northwest corner of APN 028-071-23ST looking east.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 11



Northwest corner of APN 028-071-23ST looking south.

Photograph No. 12



Northwest corner of APN 028-071-34T looking east.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 13



Northwest corner of APN 028-071-34T looking south.

Photograph No. 14



Unmarked damaged trailer mounted water AST located near the middle of the west property line of APN 028-071-34T.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 15



Site 1 (Figure 2): Southwest corner of APN 028-071-47T. Fuel AST, diesel powered agriculture pump, trailer mounted diesel powered pump, agriculture well, turbine oil tank and agriculture chemical filter station.

Photograph No. 16



Site 1 (Figure 2): Agriculture chemical filter station located at southwest corner of APN 028-071-47T.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 17



Site 1 (Figure 2): Soil staining near south side base of fuel AST located at southwest corner of APN 028-071-47T.

Photograph No. 18



Site 1 (Figure 2): Soil staining near east side base of fuel AST located at southwest corner of APN 028-071-47T.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 19



Site 1 (Figure 2): Soil staining west of agriculture pump and turbine oil tank.
Located at southwest corner of APN 028/071-47T.

Photograph No. 20



Site 1 (Figure 2): Trailer mounted diesel powered pump located at southwest corner of APN 028-071-47T.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 21



Site 1 (Figure 2): Diesel agriculture pump engine with soil stain underneath located at southwest corner of APN 028-071-47T. Empty oil container located next to engine.

Photograph No. 22



Agriculture equipment located at southeast corner of APN 028-071-45T.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 23



Monitoring wells located on adjacent property east of southeast corner of APN 028-071-23ST.

Photograph No. 24



Northeast corner of APN 028-081-66ST looking south.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 25



Northeast corner of APN 028-081-66ST looking west.

Photograph No. 26



Site 2 (Figure 2): Large fuel AST, diesel agriculture engine, disassembled agriculture pump, well casing, agriculture well, engine oil tank and turbine oil tank located at northeast corner of APN 028-120-62ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

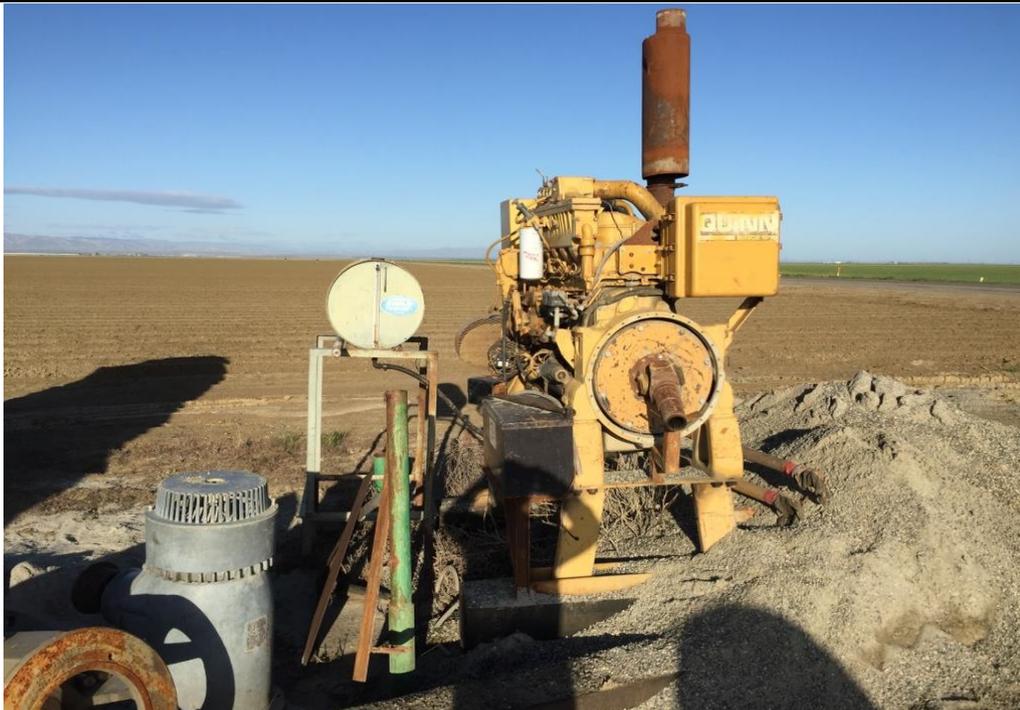
Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 27



Site 2 (Figure 2): Turbine oil tank with soil staining located at northeast corner of APN 028-120-62ST.

Photograph No. 28



Site 2 (Figure 2): Diesel agriculture engine, engine oil tank and disassembled agriculture pump located at the northeast corner of APN 028-120-61ST. Staining visible on engine support boards.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 29



Site 3 (Figure 2): Large AST located at the central south property line of APN 028-120-61ST.

Photograph No. 30



Site 3 (Figure 2): Agriculture pump, agriculture well, diesel agriculture engine, turbine oil tank and engine oil tank.
Located at the central south property line of APN 028-120-61ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 31



Site 3 (Figure 2): Soil staining under diesel engine and around base of agriculture pump and turbine oil tank. Located at the central south property line of APN 028-120-61ST.

Photograph No. 32



Southeast corner of APN 028-120-61ST looking west.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 33



Southeast corner of APN 028-120-61ST looking north.

Photograph No. 34



Northwest corner of APN 028-111-01ST looking east.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 35



Northwest corner of APN 028-111-01ST looking south.

Photograph No. 36



Near southwest corner of APN 028-111-01ST looking north.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 37



Near southwest corner of APN 028-111-01ST looking west.

Photograph No. 38



Site 4 (Figure 2): Agriculture pump, agriculture well and turbine oil tank. Well not in use. Staining around pump.
Located east of the southwest corner of APN 028-111-01ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 39



Site 4 (Figure 2): Agriculture pump, agriculture well and turbine oil tank. Well not in use. Staining around pump. Located east of the southwest corner of APN 028-111-01ST.

Photograph No. 40



Site 5 (Figure 2): Water trailer located at the center of APN 028-111-01ST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 41



Site 5 (Figure 2): Trailer mounted fuel AST and 55 gallon drum.. No staining or stressed vegetation near tank. 55 gallon drum is empty. Located at center of APN 028-111-01ST.

Photograph No. 42



Site 5 (Figure 2): Camper trailer located at the center of APN 028-111-01ST. 25 gallon propane tank next to trailer.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 43



Site 5 (Figure 2): Camper trailer located at the center of APN 028-111-01ST. Small water tank next to trailer.

Photograph No. 44

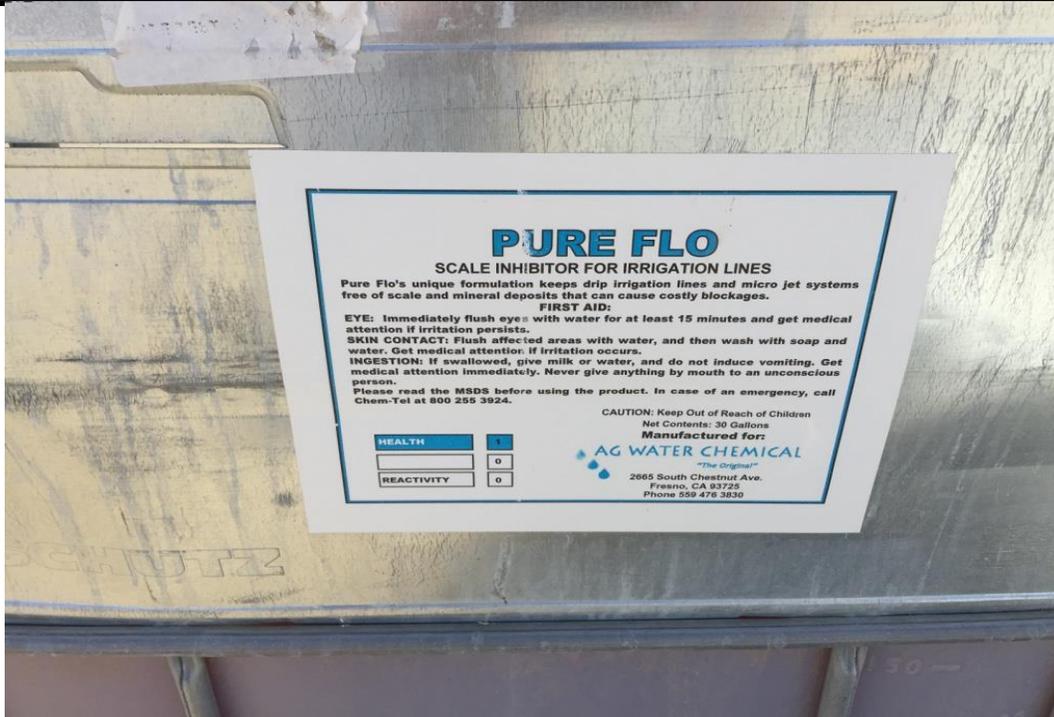


Site 6 (Figure 2): Adjacent property located south of APN 028-111-10T. Site contains agriculture well, agriculture chemical filtration station, agriculture pump with turbine oil tank, agriculture diesel engine with engine oil tank and AST.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185703320
Subject Name: RE Scarlet LLC	Location: Manning Avenue Tranquillity, California
Photographer: Mike Myers	Date: March 22, 2016

Photograph No. 45



Site 6 (Figure 2): Adjacent property located south of APN 028-111-10T. Pallet mounted poly tank containing Pure Flo scale inhibitor for irrigation lines.

Photograph No. 46



Site 6 (Figure 2): Adjacent property located south of APN 028-111-10T. Pallet mounted poly tank containing Aura Klor which is primarily composed of potassium hypochlorite.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix B
HISTORICAL RECORDS
April 28, 2016

**Appendix B
HISTORICAL RECORDS**

RE Scarlet LLC

RE Scarlet LLC
Cantua Creek, CA 93608

Inquiry Number: 4550794.9
March 01, 2016

USGS Large Site

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

USGS Aerial Photography

Order # 4550794.9

Cantua Creek, CA Fresno County

Photo ID	Date	Scale
N10NAPPW10548123	1998	1"= 3333'
NP0NAPP000460132	1987	1"= 3333'
AR1VCSM00020102	1971	1"= 2500'
AR1VCSM00020107	1971	1"= 2500'
ARB590450140939	1960	1"= 5083'
AR1VJR000020016	1955	1"= 1966'
AR1VJR000020017	1955	1"= 1966'
AR1VJR000020050	1955	1"= 1966'

Tips:

The following information is intended to assist you in the use of the USGS Aerials. Because the performance and use of different systems can vary greatly, questions on the use of each computer, and program used should be referred to the manufacturer of the computer and program.

Opening and working with large .tiff files:

- **Click on file to open once only (please be patient).**
- **Close other programs to make memory available.**
- **Only open one photo at a time, close photo before attempting to open another.**
- USGS Aerials are provided in .tiff format on a DVD and may require a special program to open or edit.
- **You must have a DVD-ROM drive** on your computer to open the images.
- If you have Windows XP/98se, the **Microsoft Paint Program** will allow you to view and edit the images. Other programs are available from Adobe and on the Internet.
- The files provided on the USGS DVD are **very large** (up to 400 megabytes) and can take up to **15 minutes, or longer, to open** on your computer depending on your hardware and software.
- For faster opening, copy the files into your local hard drive prior to opening the files.
- USGS Aerials **do not have a north indicator**; please verify natural land marks such as lakes and rivers for proper alignment.
- Be sure your computer meets the minimum system requirements.
- **Minimum System Requirements:**
 - Microsoft Windows 98/2000/XP Mac OS 9+ LINUX
 - Pentium-300mhz + or equivalent
 - 64 MB RAM
 - HDD free space: 300 Mb for each photo 100 Mb of system disk space for a swap-file
 - DVD-ROM Drive
 - .tiff editing/viewing program

6-23-55

2-50

GS-VJR

0.F.L. 164.76 MM

6-23-55

2-49

GS-VJR

6-23-55

2-17

GS-VJR





6-23-55

2-16

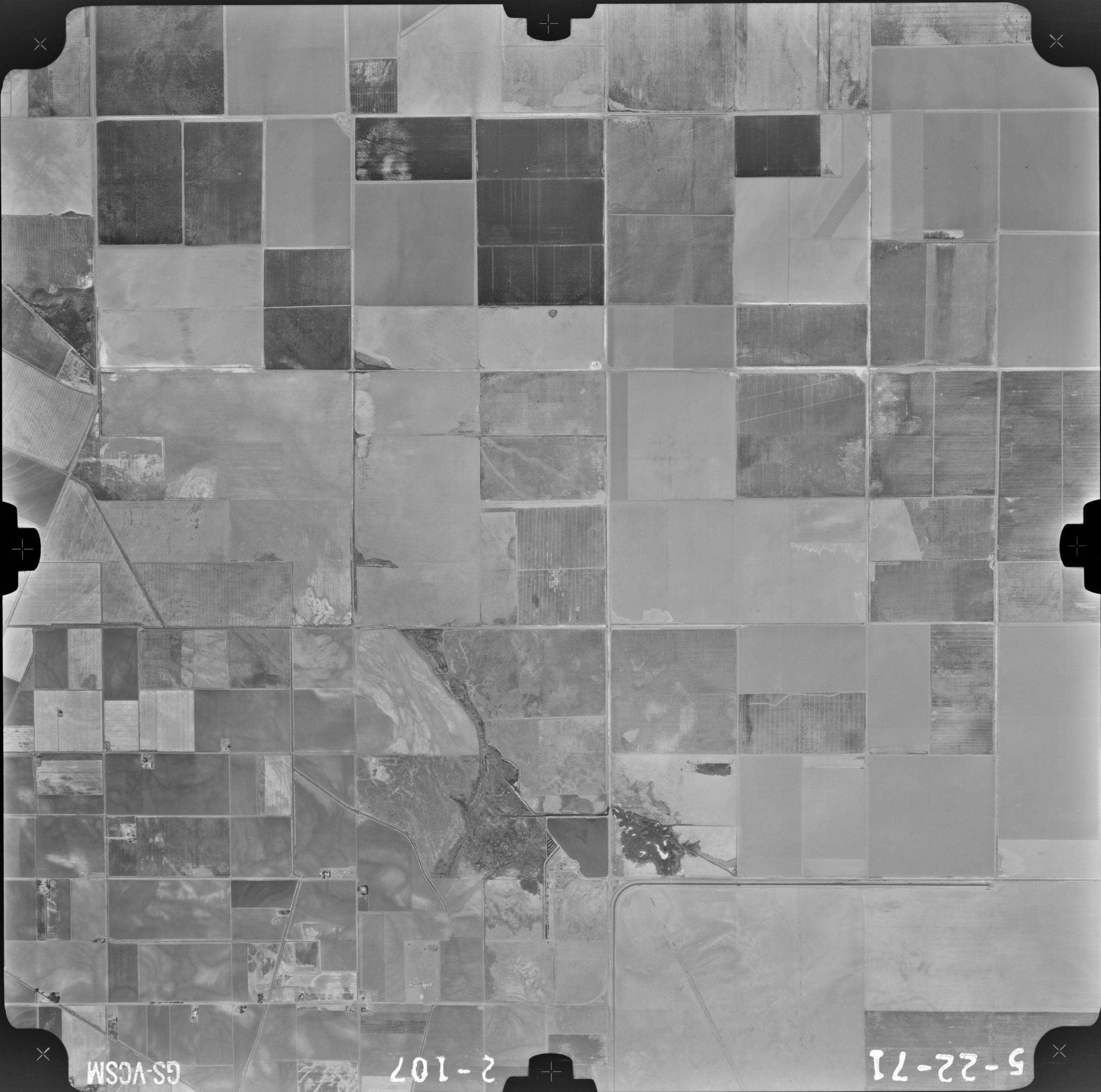
USGS
65-VJR

VM 192 AST#1 1370PMW USAF 14APR60 AF59-45 ROLL 14

939



012
NIGHT
-60
-45
003
2
SER. NO.
(B)
939
F.L.
683
2
NIGHT



UAg 422
152.57



18891

GS-VCSM

2-107

5-22-71

5-22-71

2-102

GS-VCSM

UAg 422
15251

12
11
10
9
8
7
6
5

1500

15251

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

W. 10000 0.0000



6-16

460-132

NAPP

2 1 1 0

10548-123

NAPP

10548-123

08-18-98

NAPP 120-3M-104 12:20:54 08-18-98 56.8 K0037 MMG

FS400 1/1000 f/5.6 FT1.6 EC+2/3 SP-07/h.02354 00% at023.0 05003 26.4V -62mb ER00 CM5073

RE Scarlet LLC

RE Scarlet LLC

Cantua Creek, CA 93608

Inquiry Number: 4550794.4

March 01, 2016

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/01/16

Site Name: RE Scarlet LLC RE Scarlet LLC Cantua Creek, CA 93608 EDR Inquiry # 4550794.4	Client Name: Stantec 3475 West Shaw #104 Fresno, CA 93711 Contact: Michael Myers
--	---



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

Site Name:	RE Scarlet LLC	Latitude:	36.607677 36° 36' 28" North
Address:	RE Scarlet LLC	Longitude:	-120.3498 -120° 20' 59" West
City,State,Zip:	Cantua Creek, CA 93608	UTM Zone:	Zone 10 North
P.O.#	NA	UTM X Meters:	737034.95
Project:	185799000	UTM Y Meters:	4054622.58
		Elevation:	183.00' above sea level

Maps Provided:

2012	1922, 1923, 1924
1984	
1971	
1956	
1947	
1946	
1923, 1924	
1923	

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



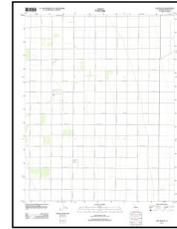
Cantua Creek
2012
7.5-minute, 24000



Levis
2012
7.5-minute, 24000



Tranquillity
2012
7.5-minute, 24000

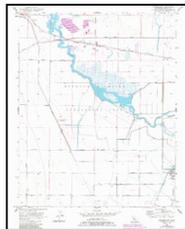


Coit Ranch
2012
7.5-minute, 24000

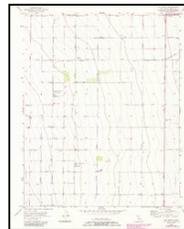
1984 Source Sheets



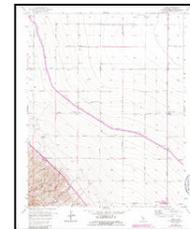
Cantua Creek
1984
7.5-minute, 24000
Photo Revised 1984
Aerial Photo Revised 1981



Tranquillity
1984
7.5-minute, 24000
Photo Revised 1984
Aerial Photo Revised 1981



Coit Ranch
1984
7.5-minute, 24000
Photo Revised 1984
Aerial Photo Revised 1981

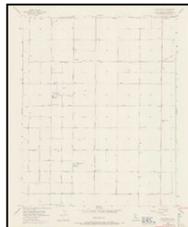


Levis
1984
7.5-minute, 24000
Photo Revised 1984
Aerial Photo Revised 1981

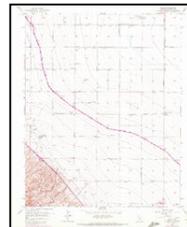
1971 Source Sheets



Cantua Creek
1971
7.5-minute, 24000
Photo Revised 1971
Aerial Photo Revised 1971

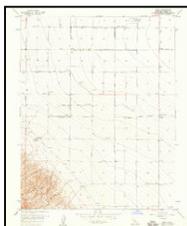


Coit Ranch
1971
7.5-minute, 24000
Photo Revised 1971
Aerial Photo Revised 1971



Levis
1971
7.5-minute, 24000
Photo Revised 1971
Aerial Photo Revised 1971

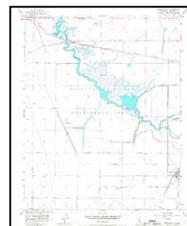
1956 Source Sheets



Levis
1956
7.5-minute, 24000
Aerial Photo Revised 1955



Cantua Creek
1956
7.5-minute, 24000
Aerial Photo Revised 1955



Tranquillity
1956
7.5-minute, 24000
Aerial Photo Revised 1950

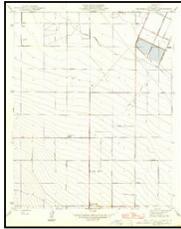


Coit Ranch
1956
7.5-minute, 24000
Aerial Photo Revised 1950

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

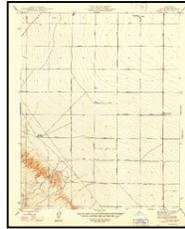
1947 Source Sheets



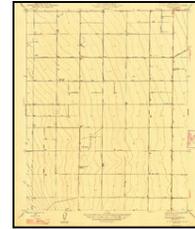
Englebrecht Ranch
1947
7.5-minute, 24000
Edited 1946



Tranquillity
1947
7.5-minute, 24000
Edited 1946



Levis
1947
7.5-minute, 24000



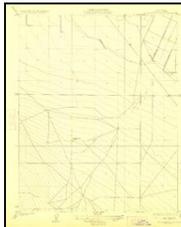
Tufts Ranch
1947
7.5-minute, 24000
Edited 1946

1946 Source Sheets



Tranquillity
1946
15-minute, 62500
Aerial Photo Revised 1946

1923, 1924 Source Sheets

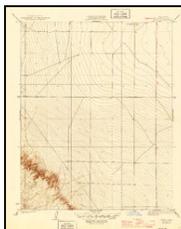


Englebrecht Ranch
1923
7.5-minute, 31680



Tranquillity
1924
7.5-minute, 31680

1923 Source Sheets

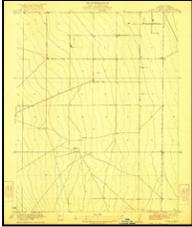


Levis
1923
7.5-minute, 31680

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

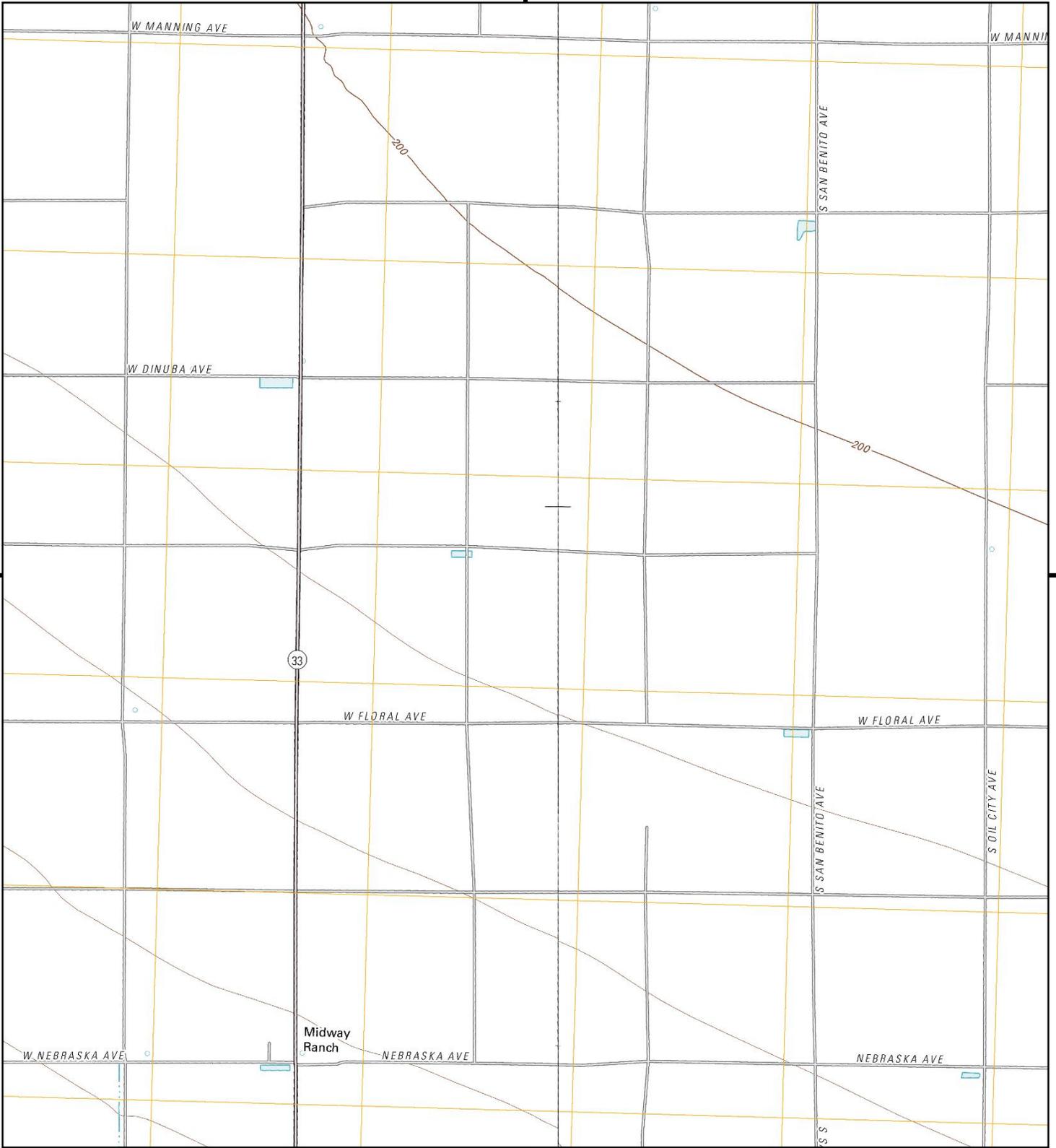
1922, 1923, 1924 Source Sheets



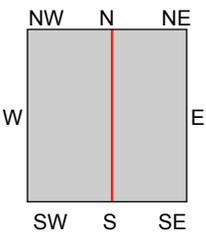
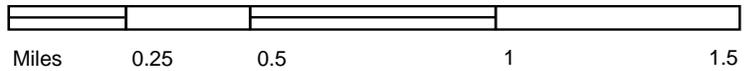
Tufts Ranch
1922
7.5-minute, 31680

Historical Topo Map

2012



This report includes information from the following map sheet(s).



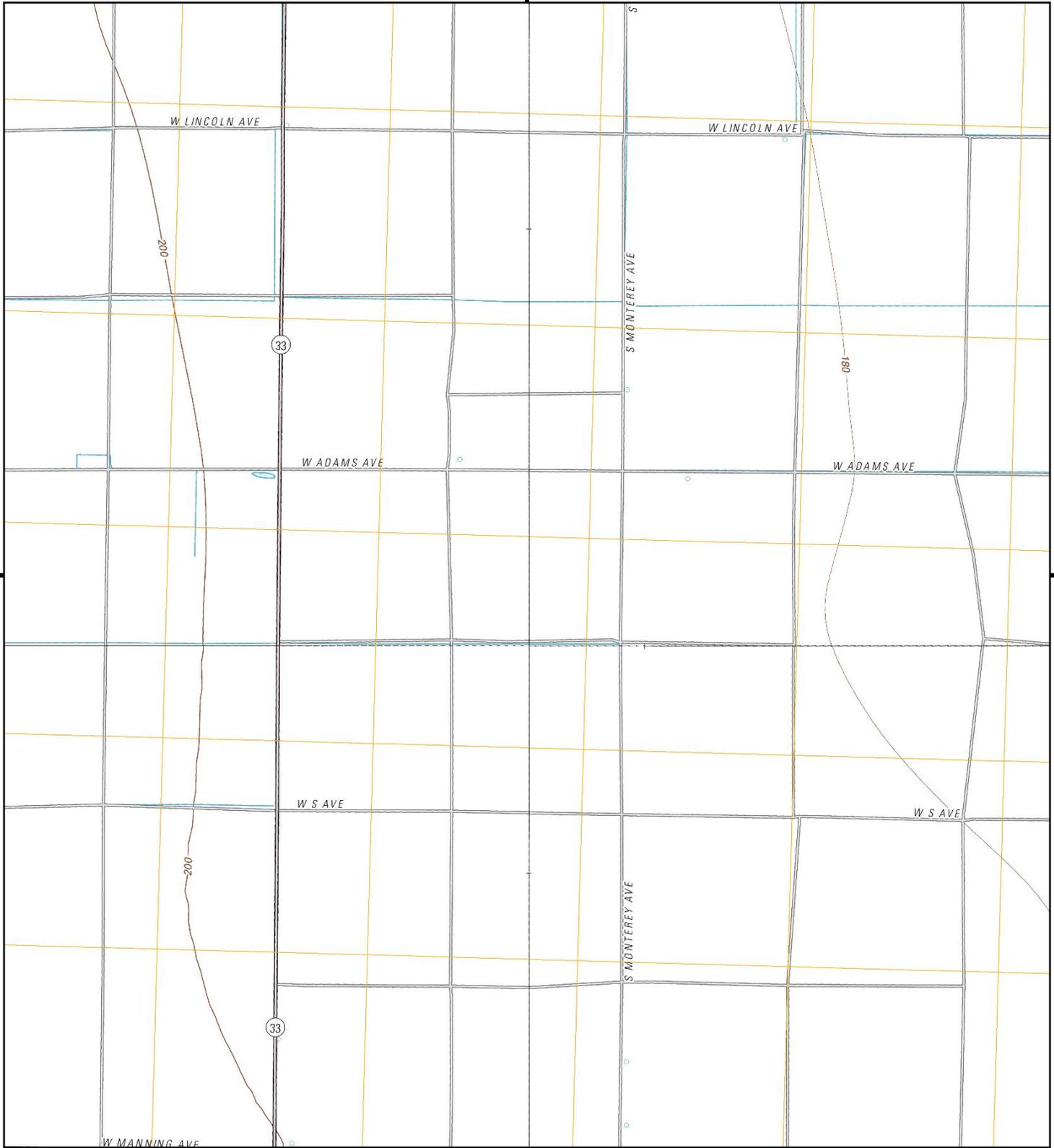
TP, Levis, 2012, 7.5-minute
 E, Cantua Creek, 2012, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

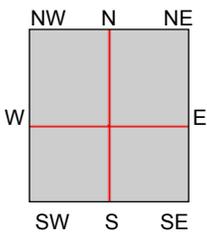
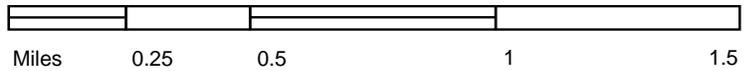


Historical Topo Map

2012



This report includes information from the following map sheet(s).



- TP, Coit Ranch, 2012, 7.5-minute
- NE, Tranquillity, 2012, 7.5-minute
- SE, Cantua Creek, 2012, 7.5-minute
- S, Levis, 2012, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

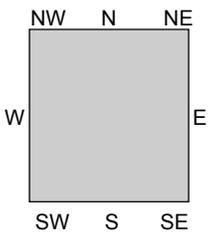
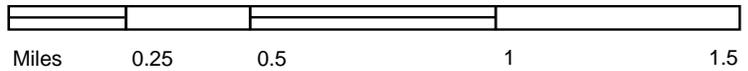


Historical Topo Map

2012



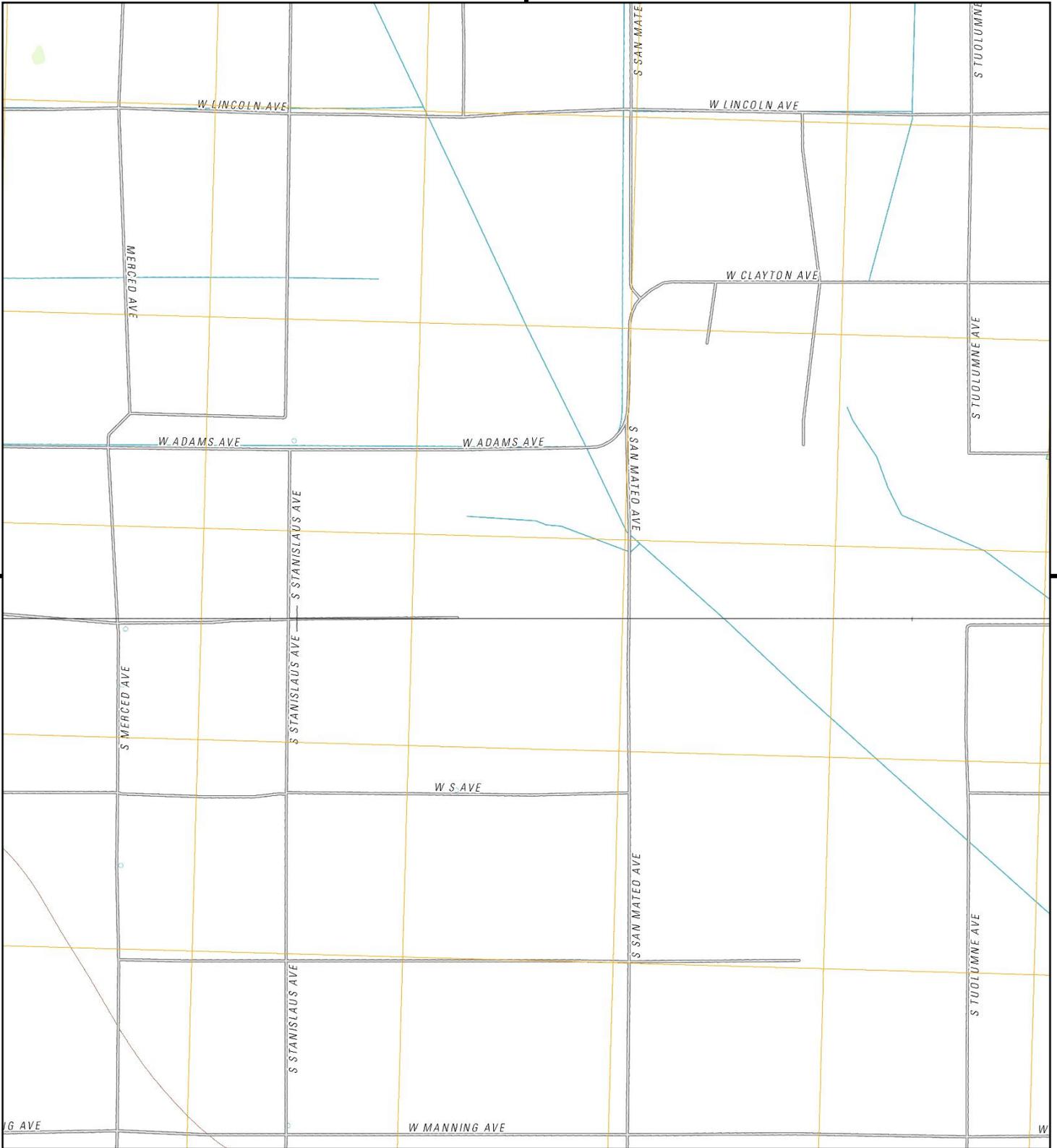
This report includes information from the following map sheet(s).



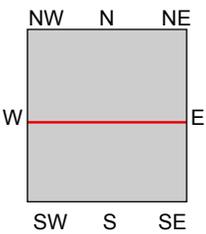
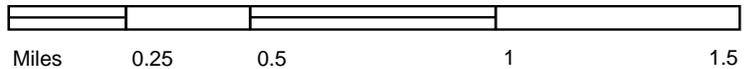
TP, Cantua Creek, 2012, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec





This report includes information from the following map sheet(s).



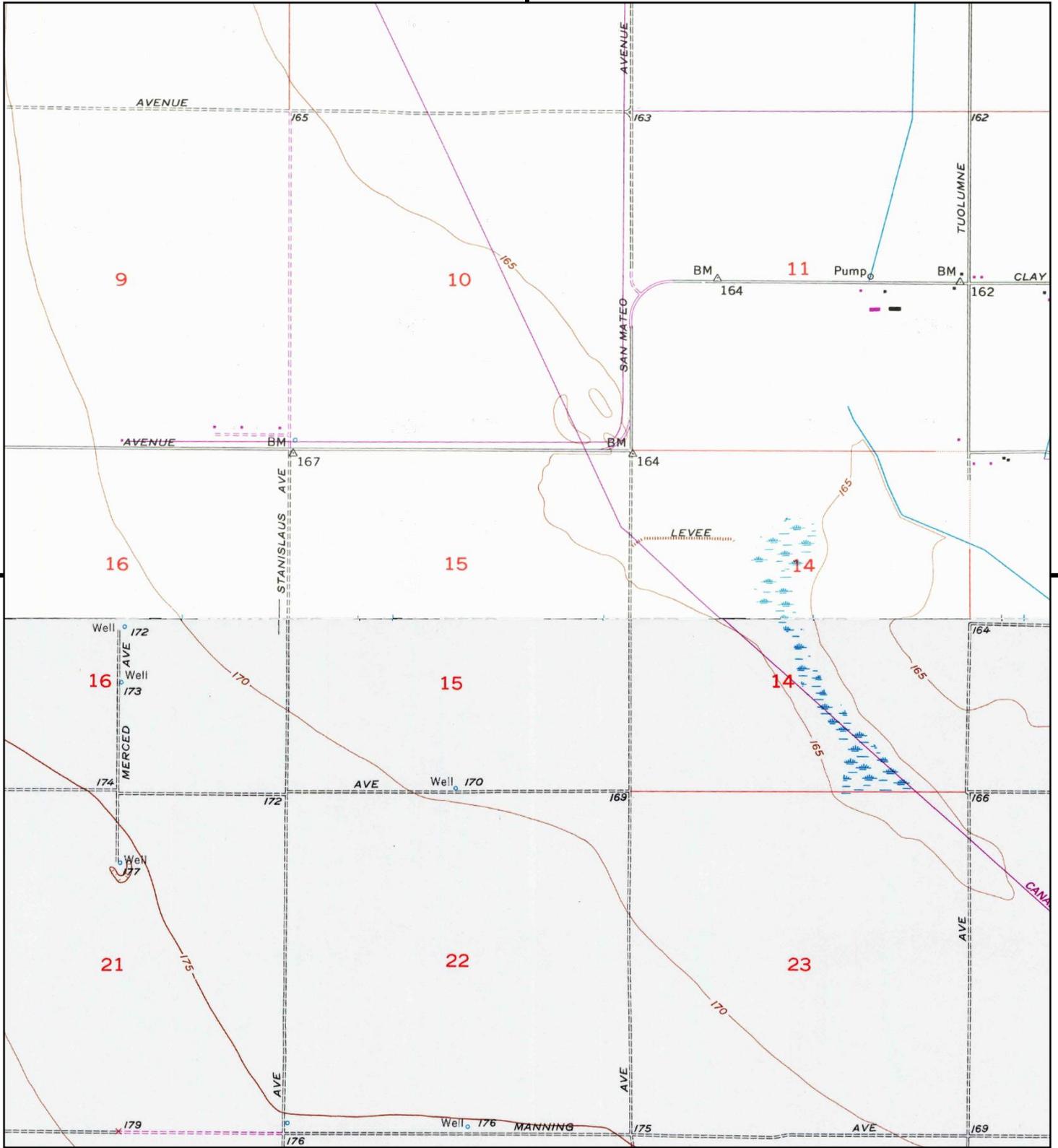
TP, Tranquillity, 2012, 7.5-minute
 S, Cantua Creek, 2012, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

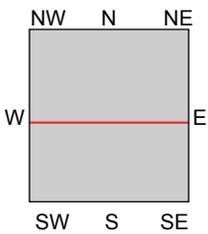
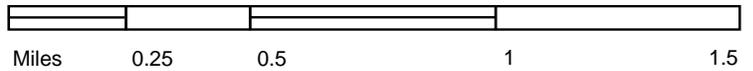


Historical Topo Map

1984



This report includes information from the following map sheet(s).



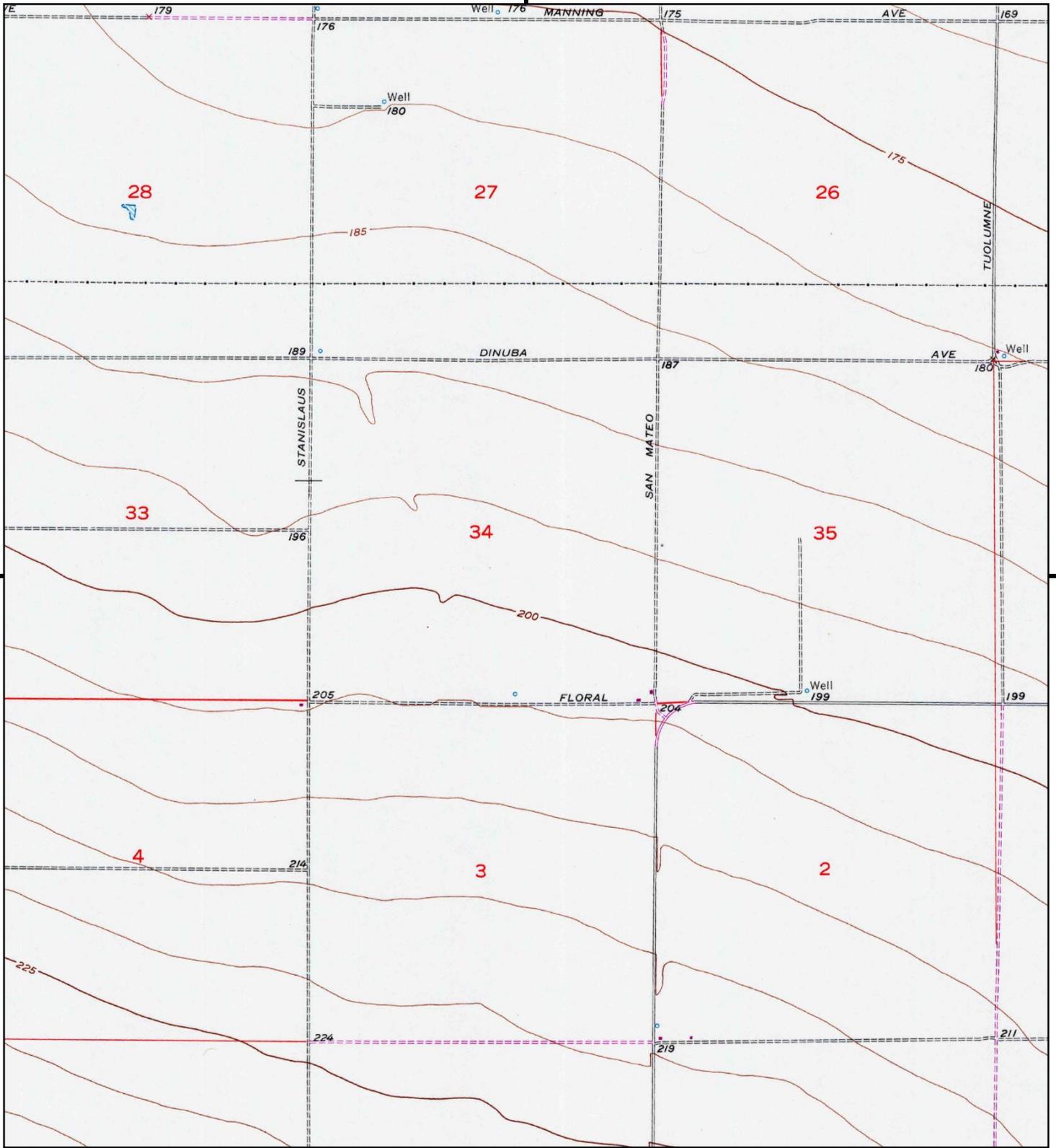
TP, Tranquillity, 1984, 7.5-minute
S, Cantua Creek, 1984, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

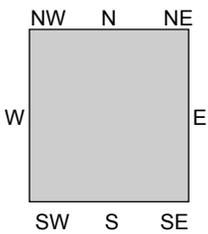
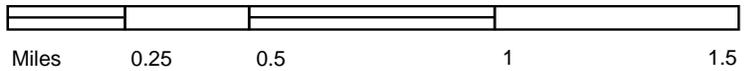


Historical Topo Map

1984



This report includes information from the following map sheet(s).



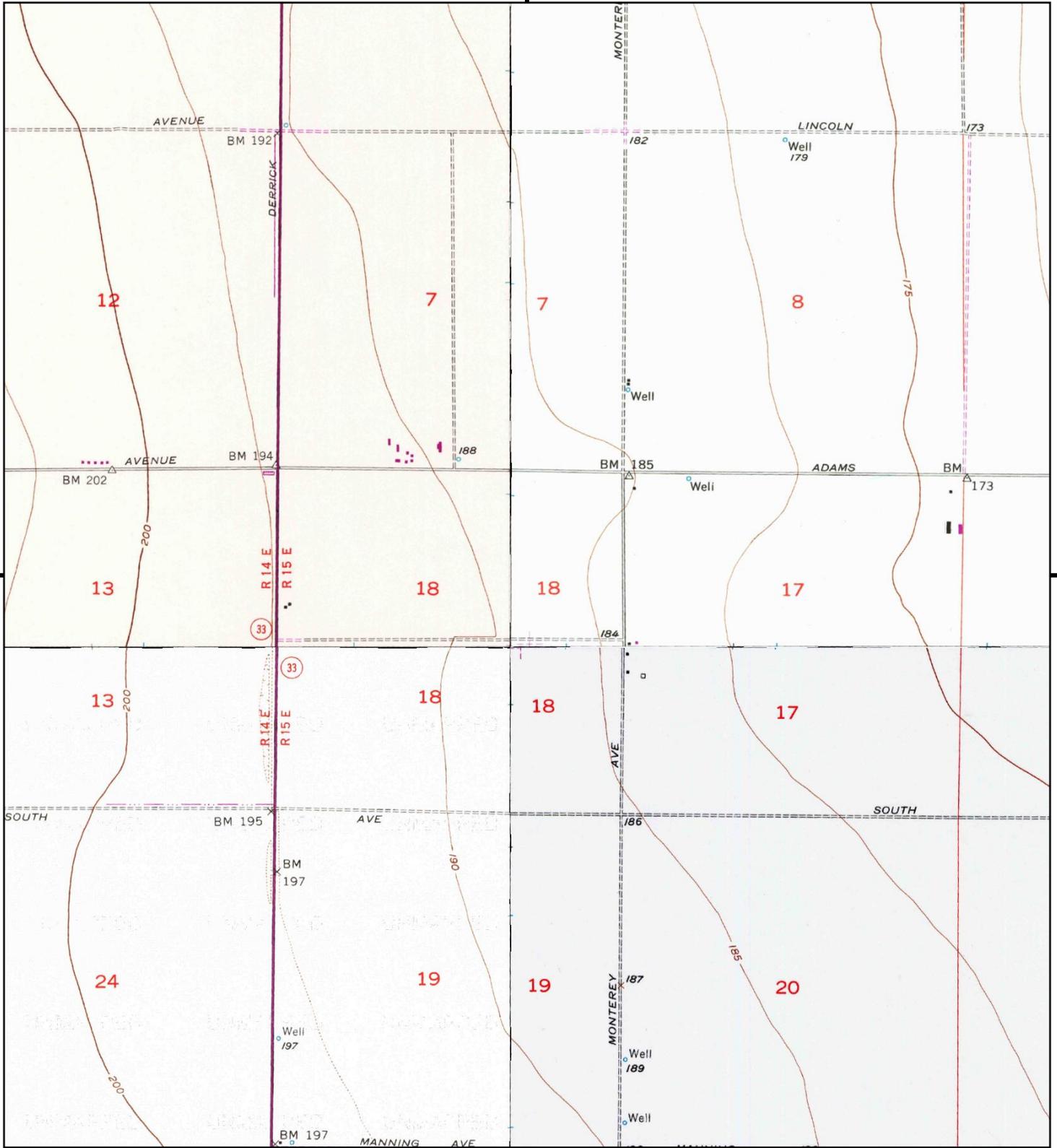
TP, Cantua Creek, 1984, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

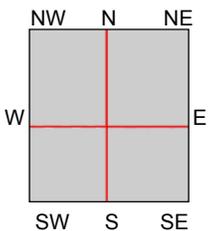
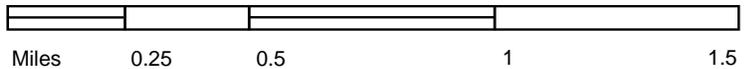


Historical Topo Map

1984



This report includes information from the following map sheet(s).



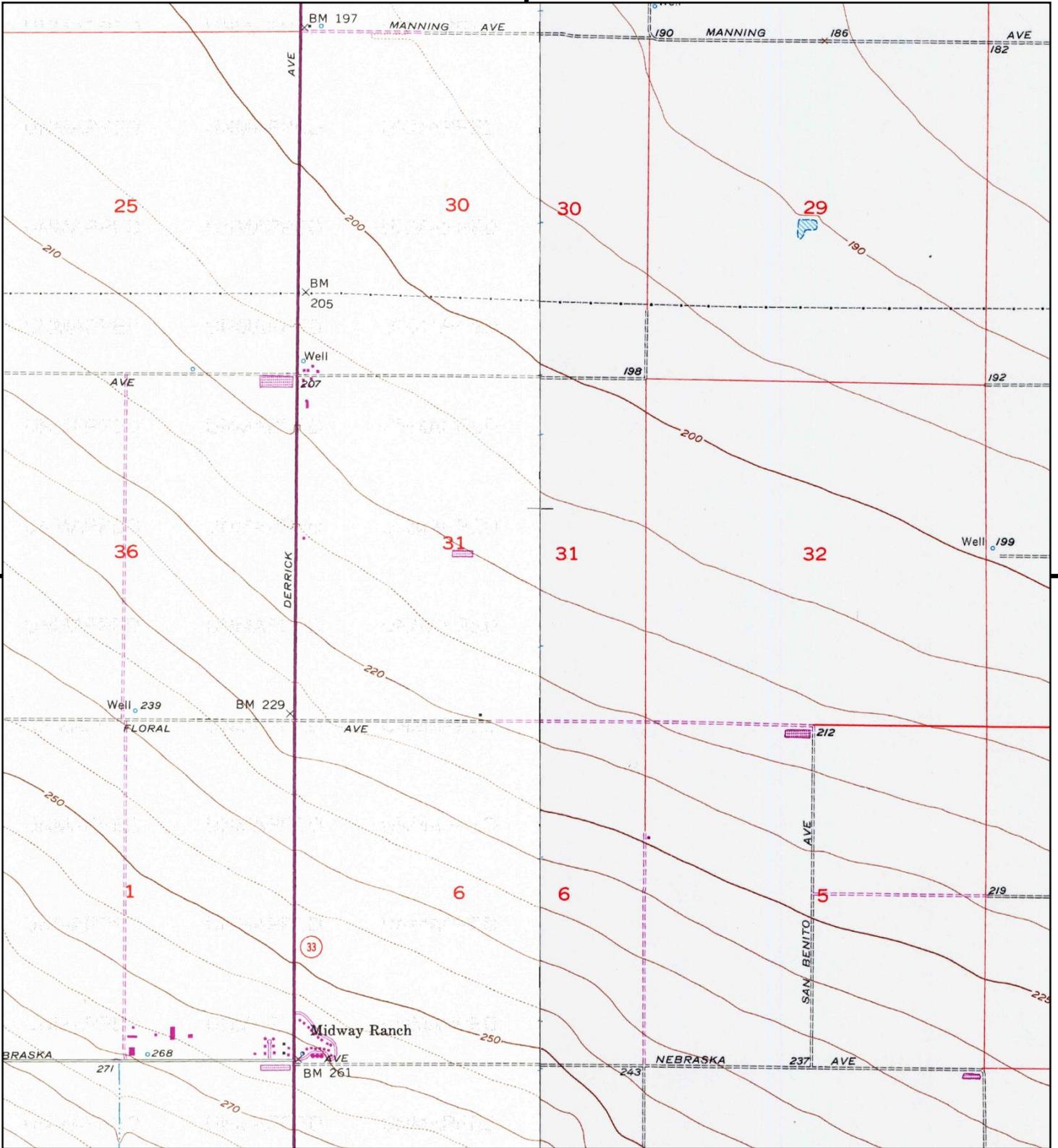
- TP, Coit Ranch, 1984, 7.5-minute
- N, Tranquillity, 1984, 7.5-minute
- SE, Cantua Creek, 1984, 7.5-minute
- SW, Levis, 1984, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

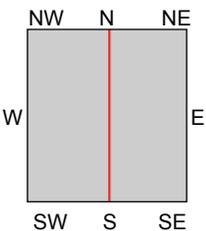
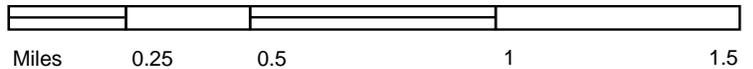


Historical Topo Map

1984



This report includes information from the following map sheet(s).



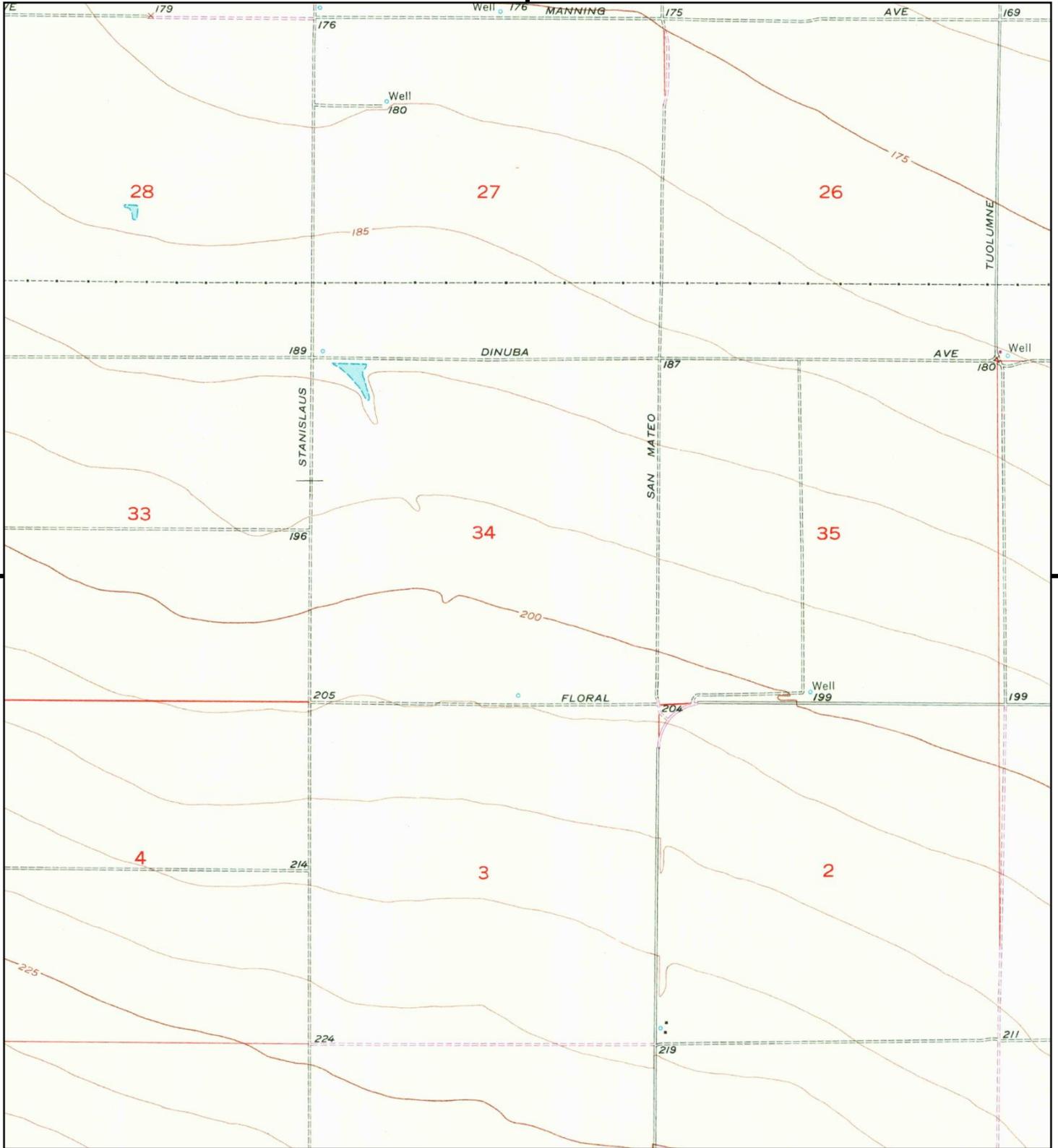
TP, Levis, 1984, 7.5-minute
 E, Cantua Creek, 1984, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

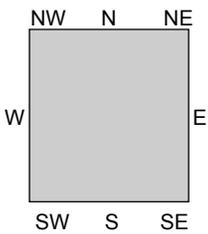
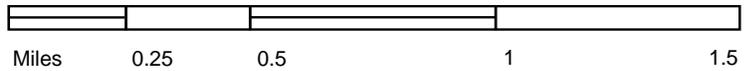


Historical Topo Map

1971



This report includes information from the following map sheet(s).



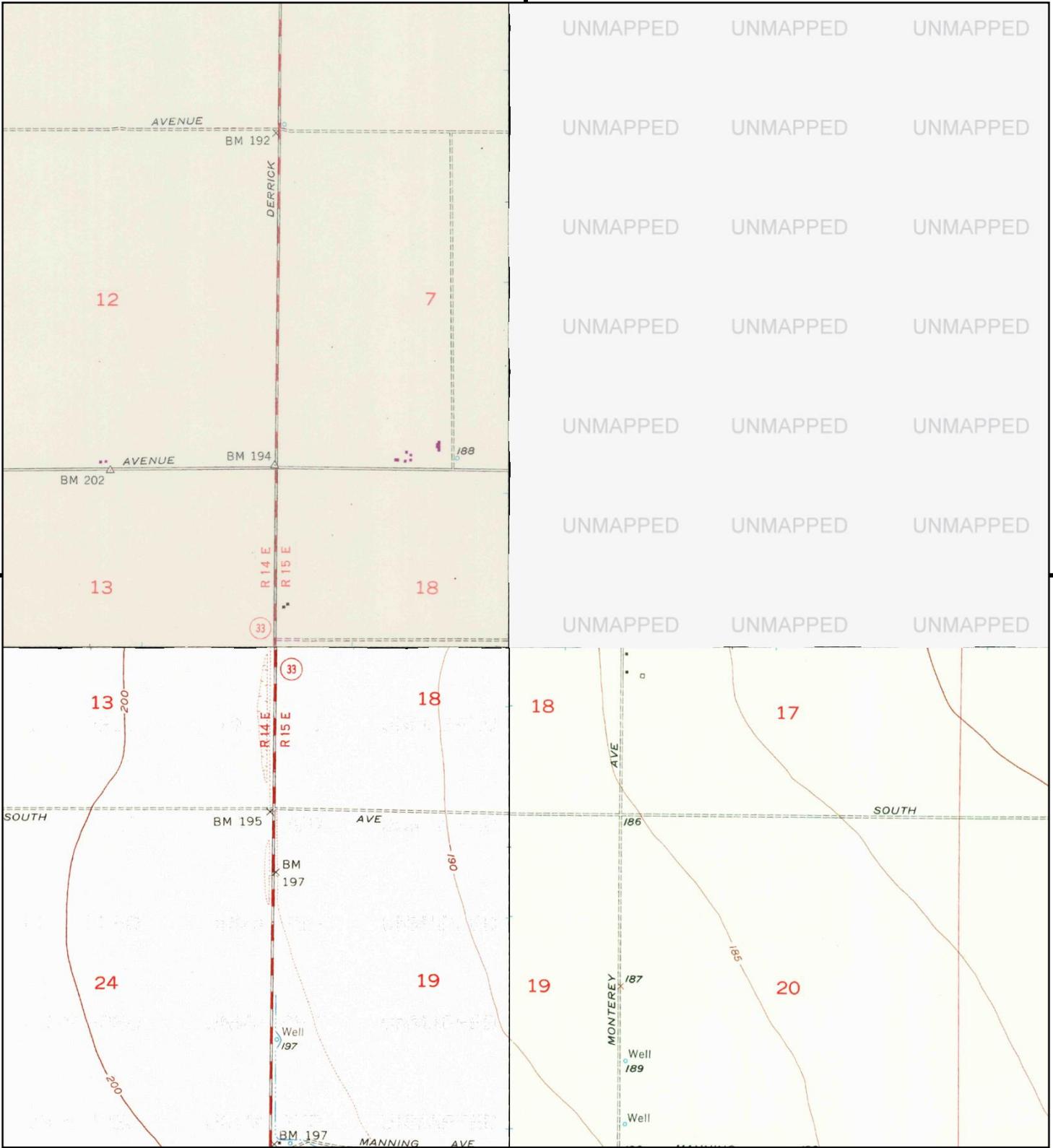
TP, Cantua Creek, 1971, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

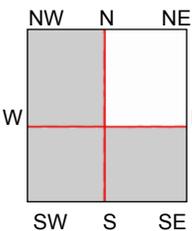
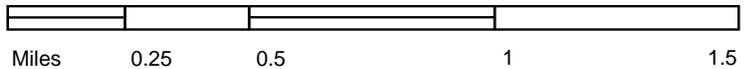


Historical Topo Map

1971



This report includes information from the following map sheet(s).



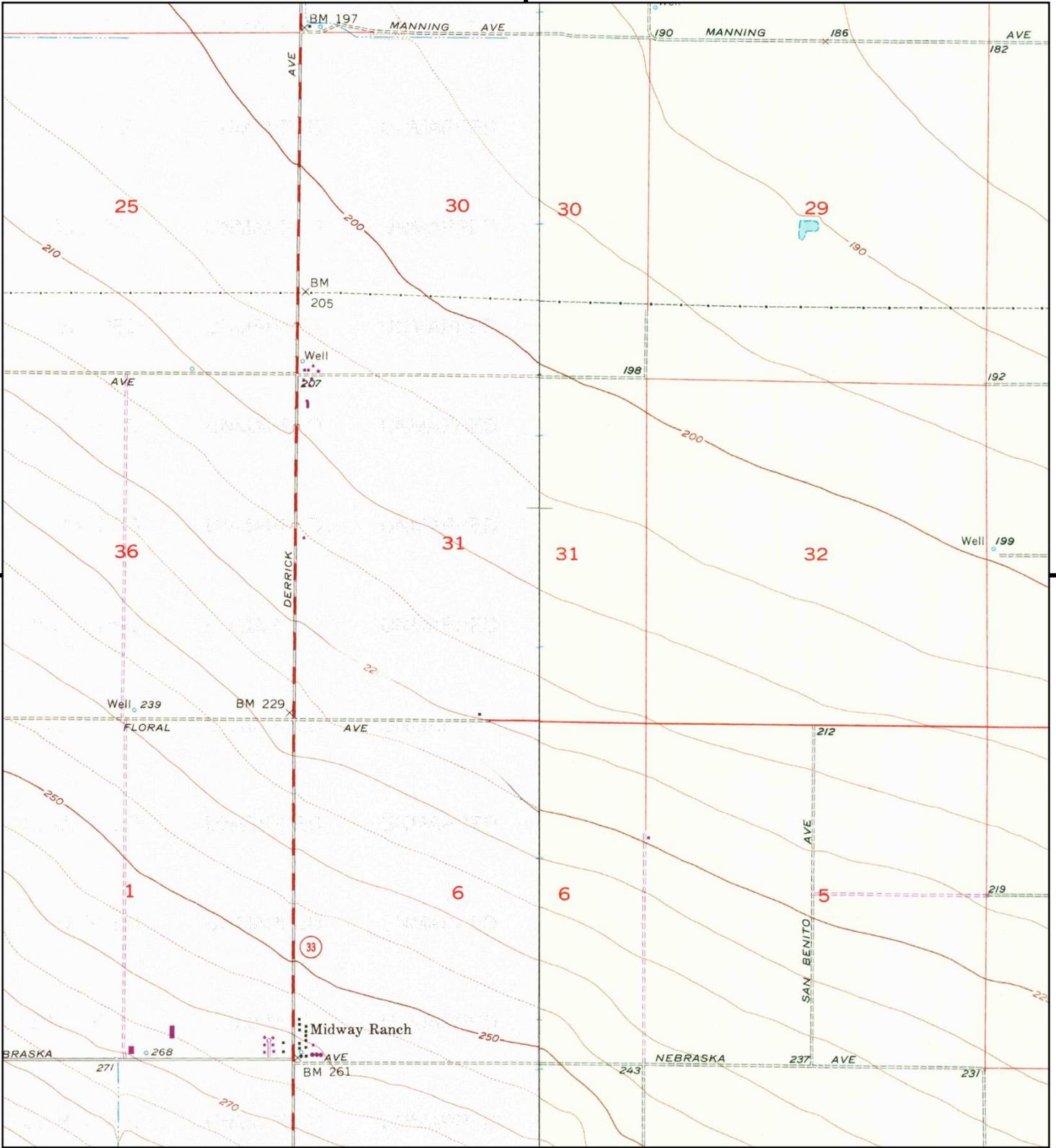
- TP, Coit Ranch, 1971, 7.5-minute
- SE, Cantua Creek, 1971, 7.5-minute
- SW, Levis, 1971, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

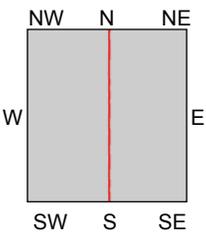
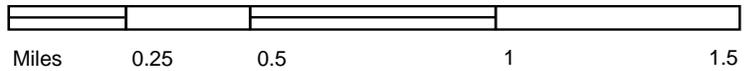


Historical Topo Map

1971



This report includes information from the following map sheet(s).



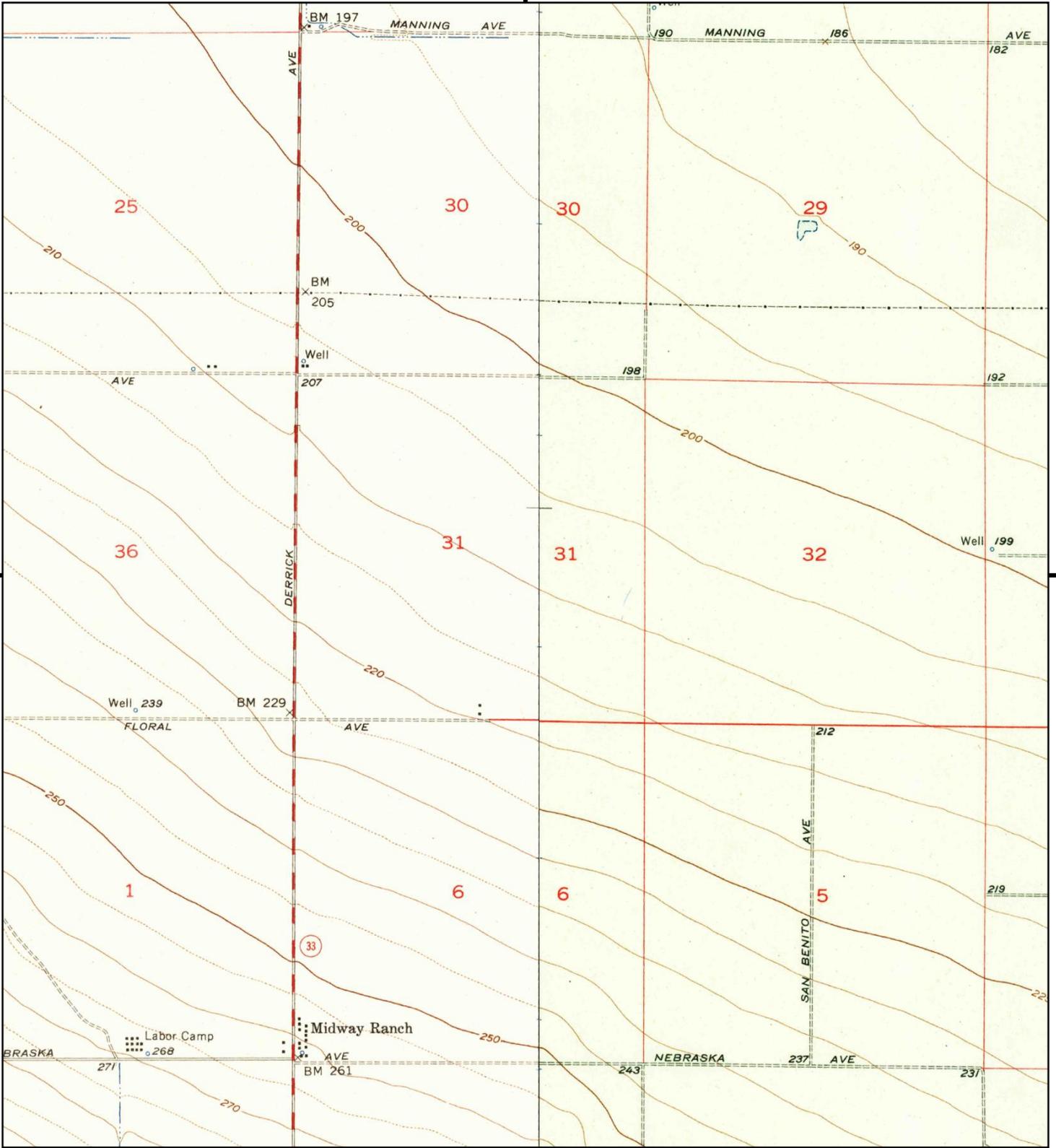
TP, Levis, 1971, 7.5-minute
E, Cantua Creek, 1971, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

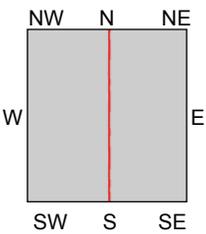
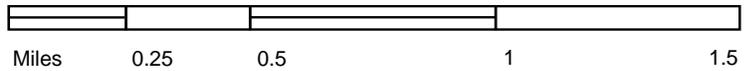


Historical Topo Map

1956



This report includes information from the following map sheet(s).



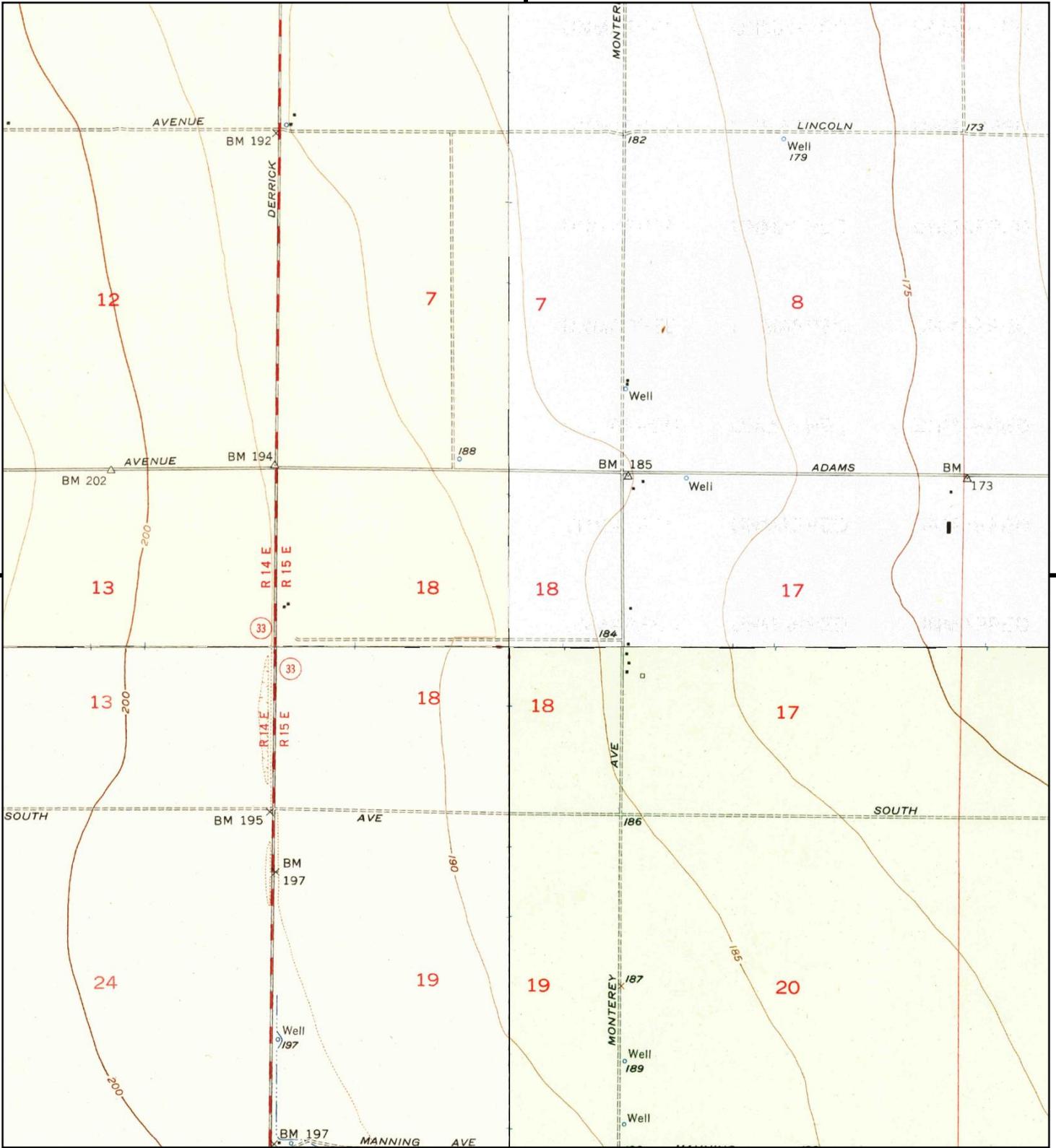
TP, Levis, 1956, 7.5-minute
E, Cantua Creek, 1956, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

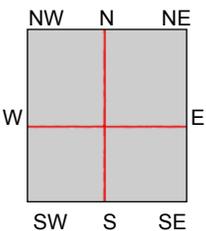
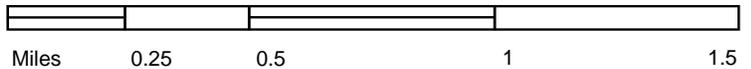


Historical Topo Map

1956



This report includes information from the following map sheet(s).



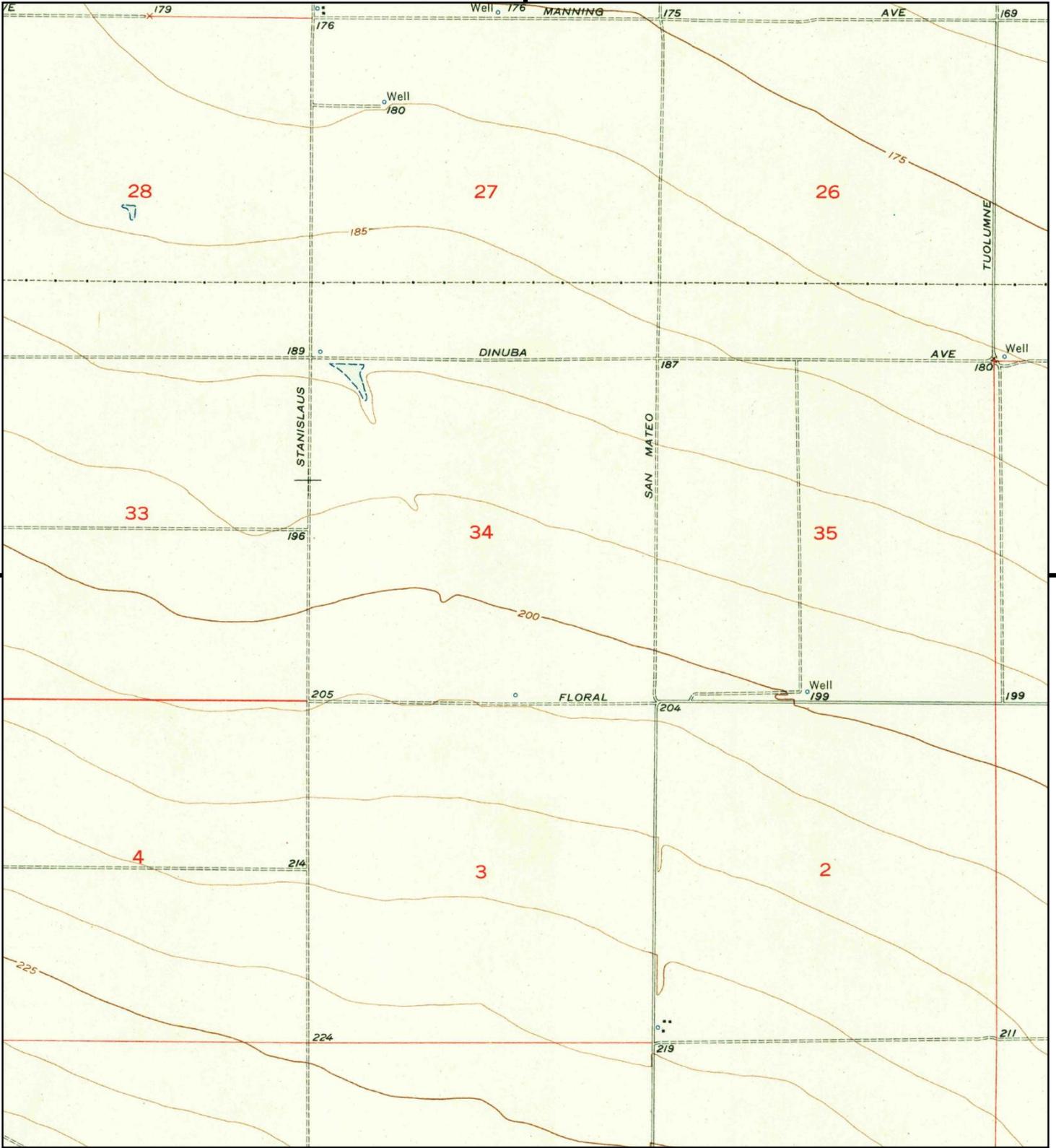
- NE, Tranquillity, 1956, 7.5-minute
- SE, Cantua Creek, 1956, 7.5-minute
- SW, Levis, 1956, 7.5-minute
- T, Coit Ranch, 1956, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

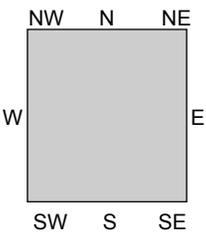
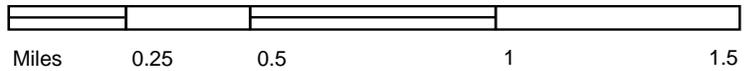


Historical Topo Map

1956



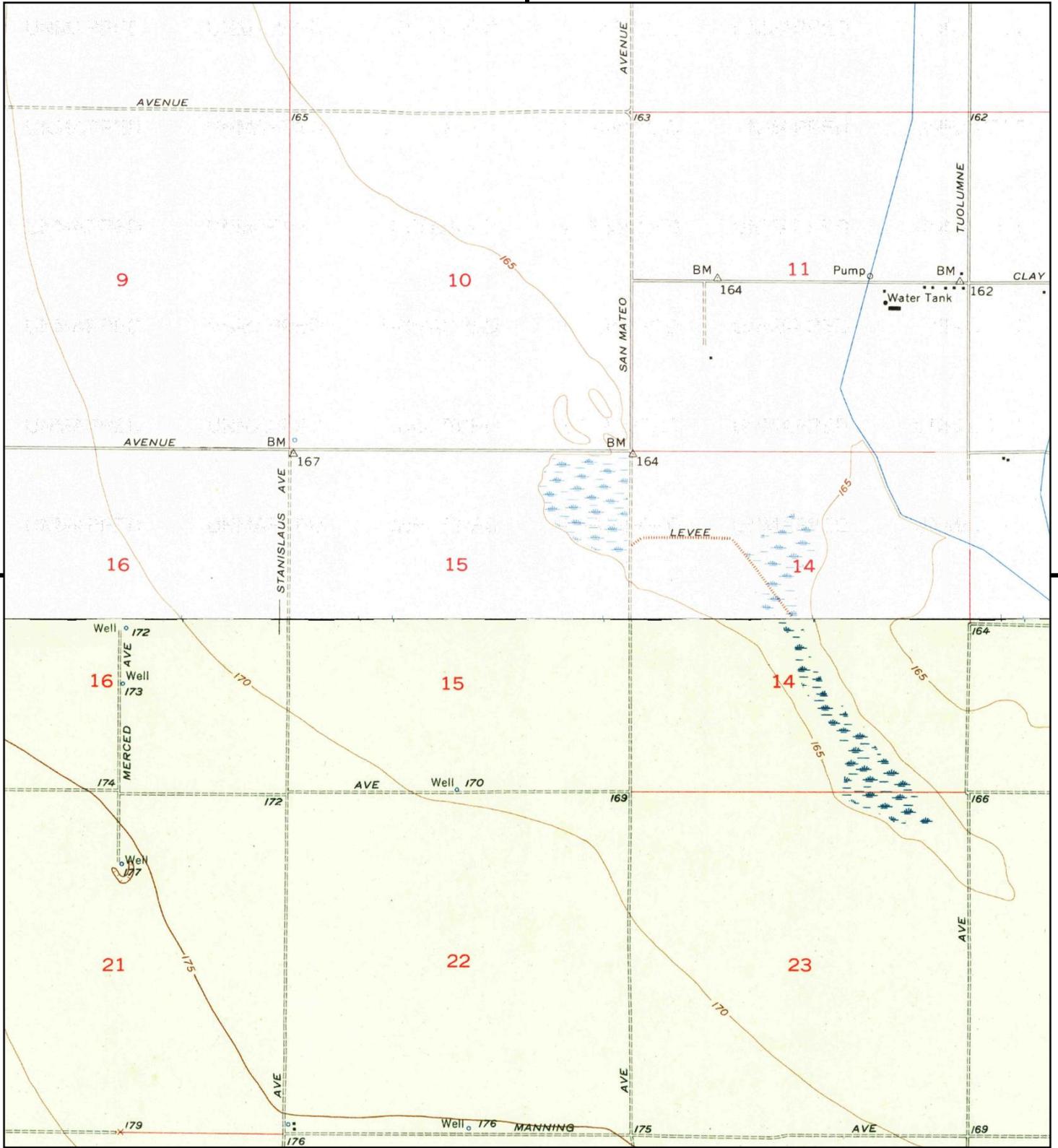
This report includes information from the following map sheet(s).



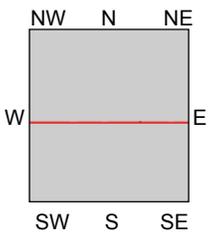
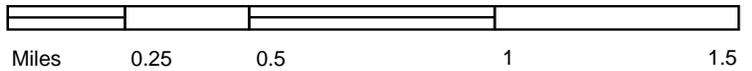
TP, Cantua Creek, 1956, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec





This report includes information from the following map sheet(s).



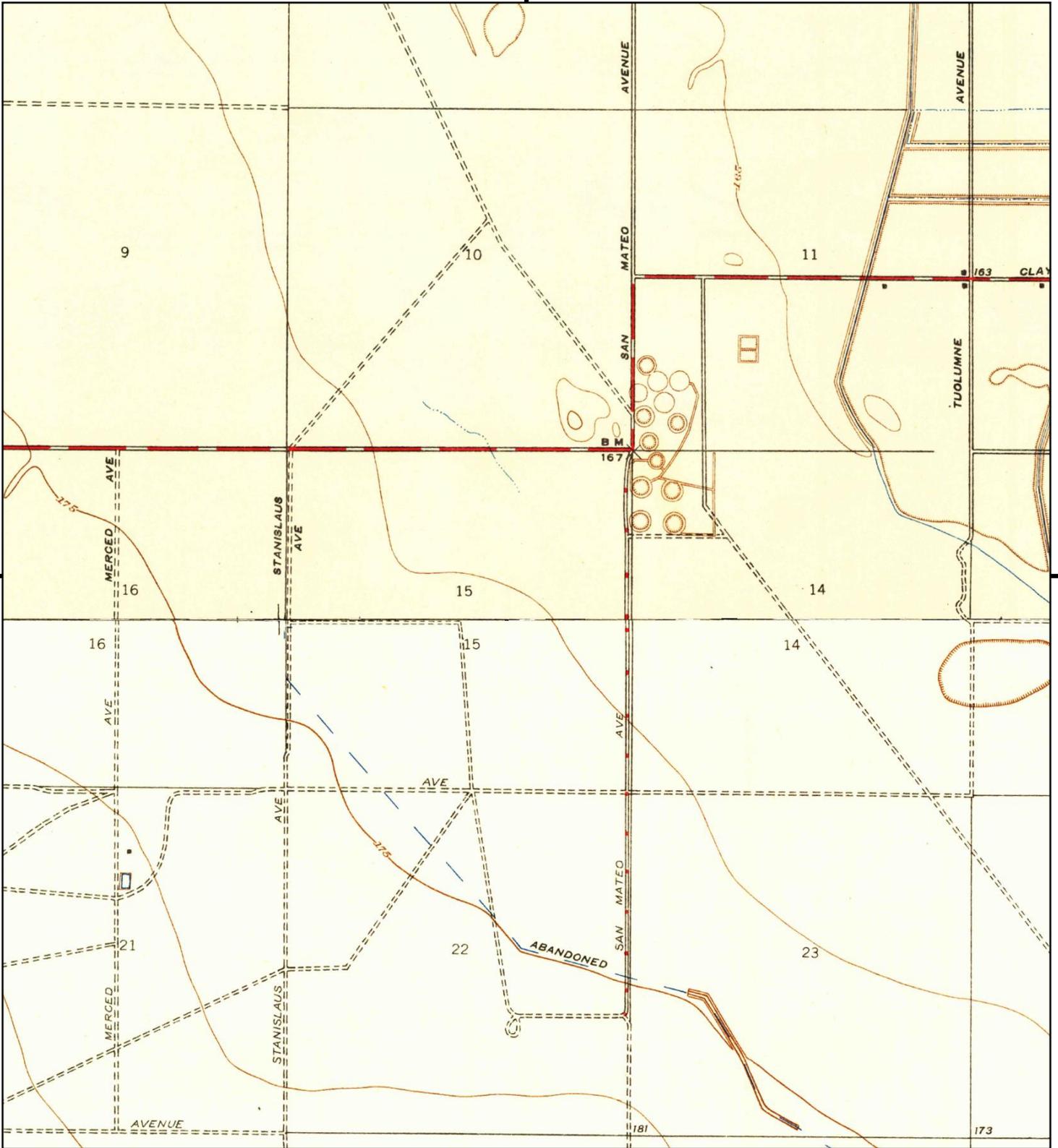
TP, Tranquillity, 1956, 7.5-minute
 S, Cantua Creek, 1956, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

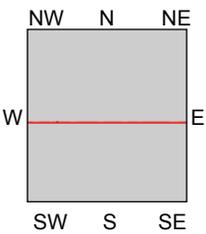
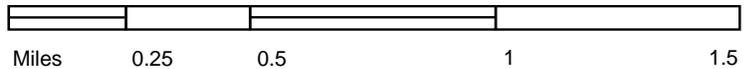


Historical Topo Map

1947



This report includes information from the following map sheet(s).



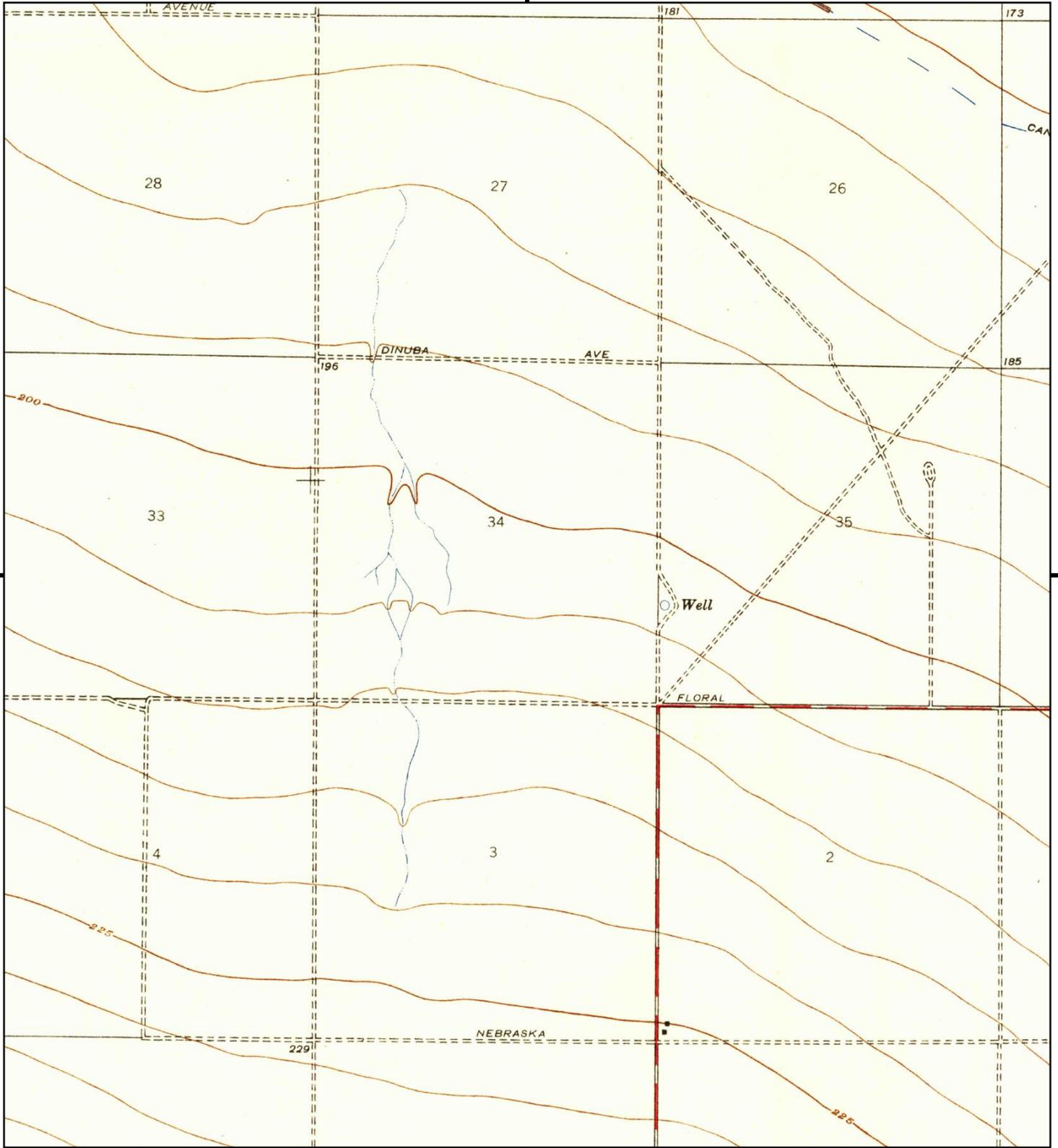
TP, Tranquillity, 1947, 7.5-minute
S, Englebrecht Ranch, 1947, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

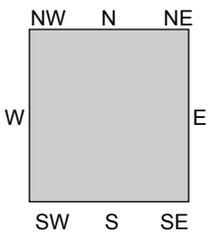
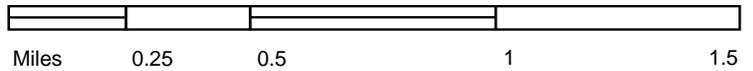


Historical Topo Map

1947



This report includes information from the following map sheet(s).



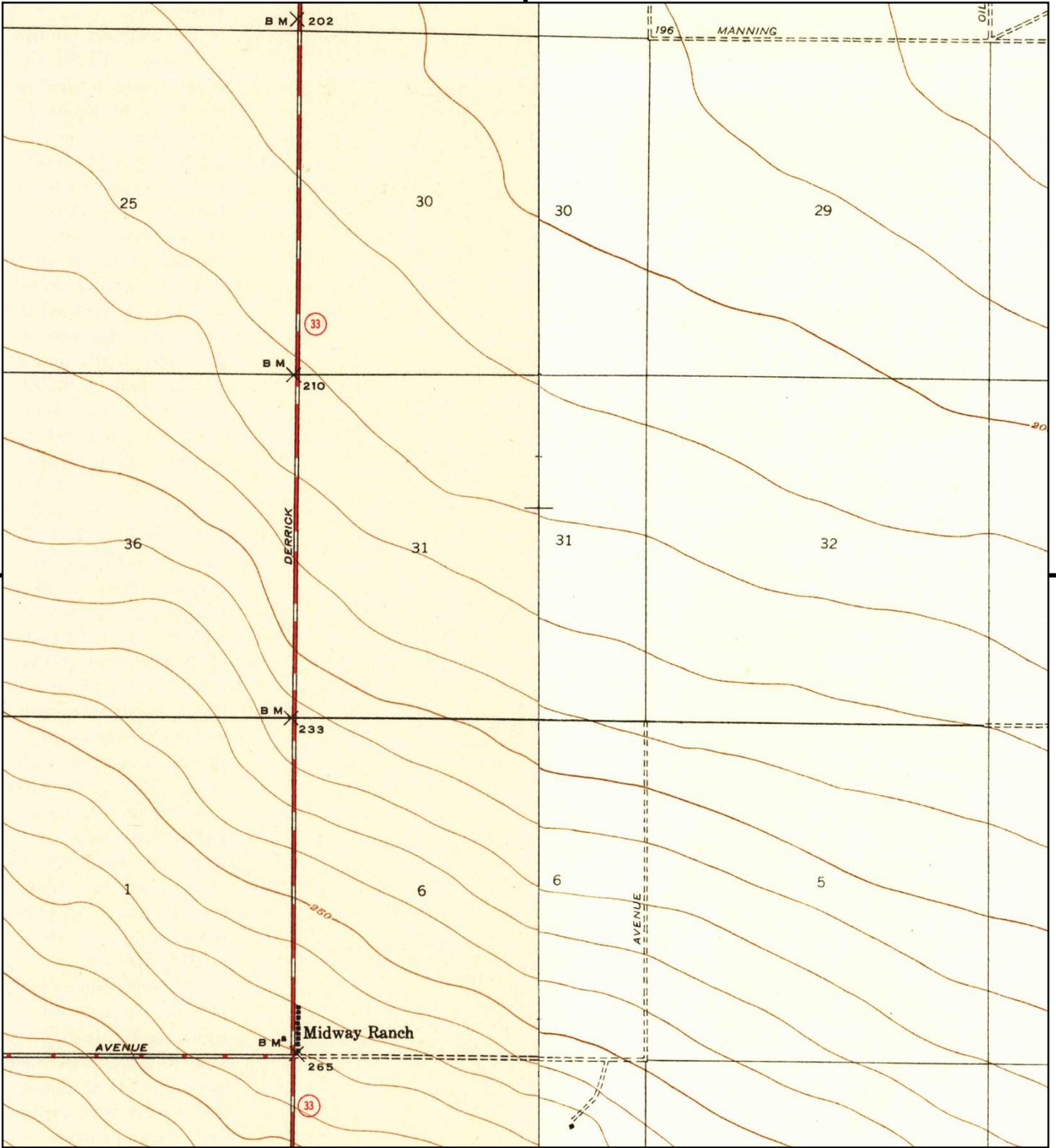
TP, Englebrecht Ranch, 1947, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

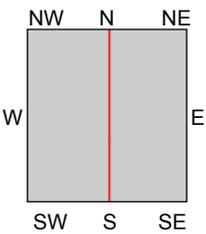
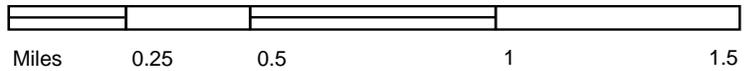


Historical Topo Map

1947



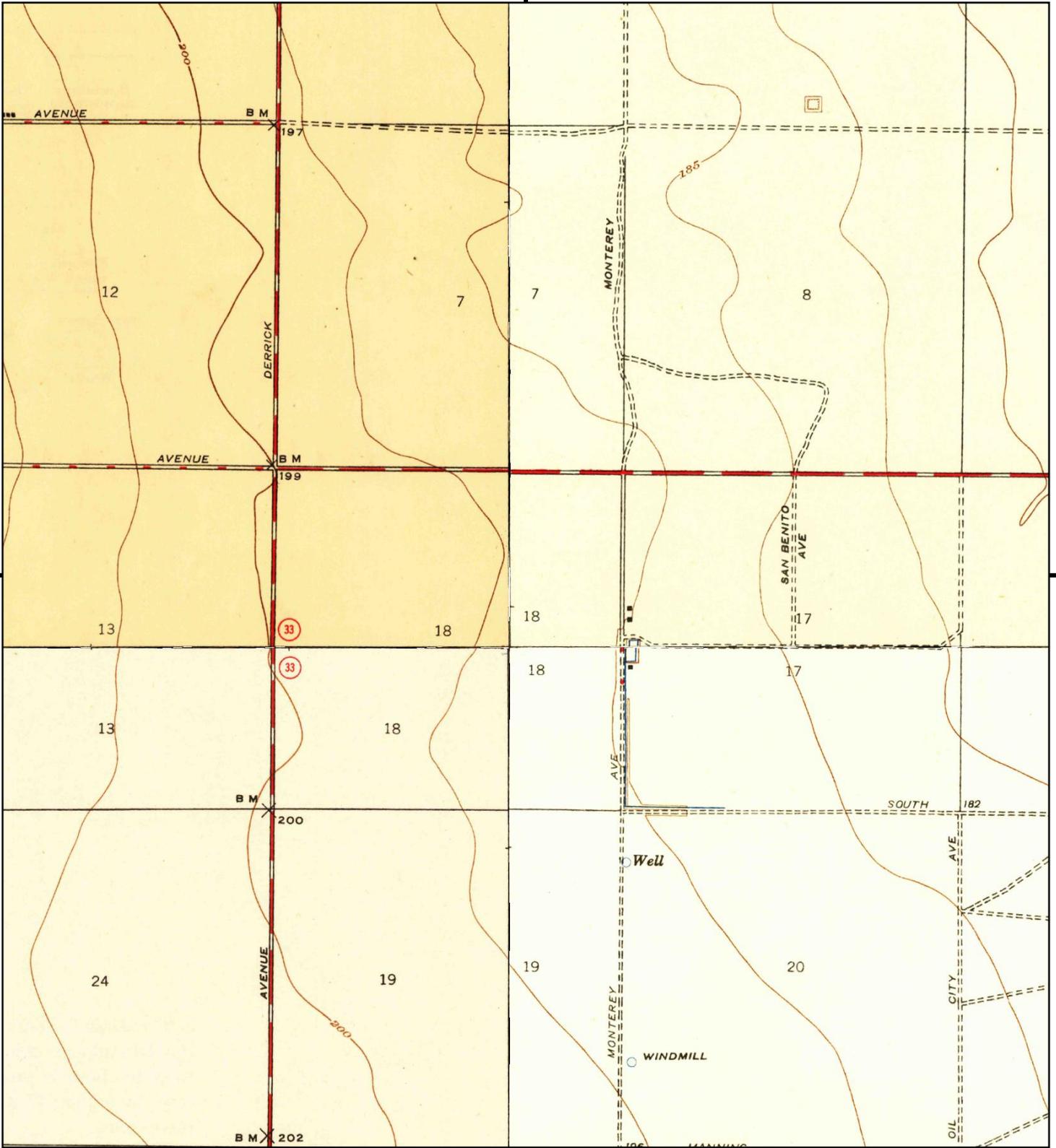
This report includes information from the following map sheet(s).



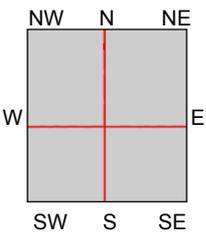
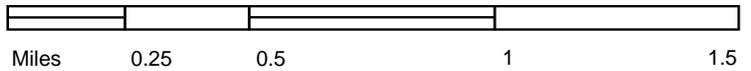
TP, Levis, 1947, 7.5-minute
E, Englebrecht Ranch, 1947, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec





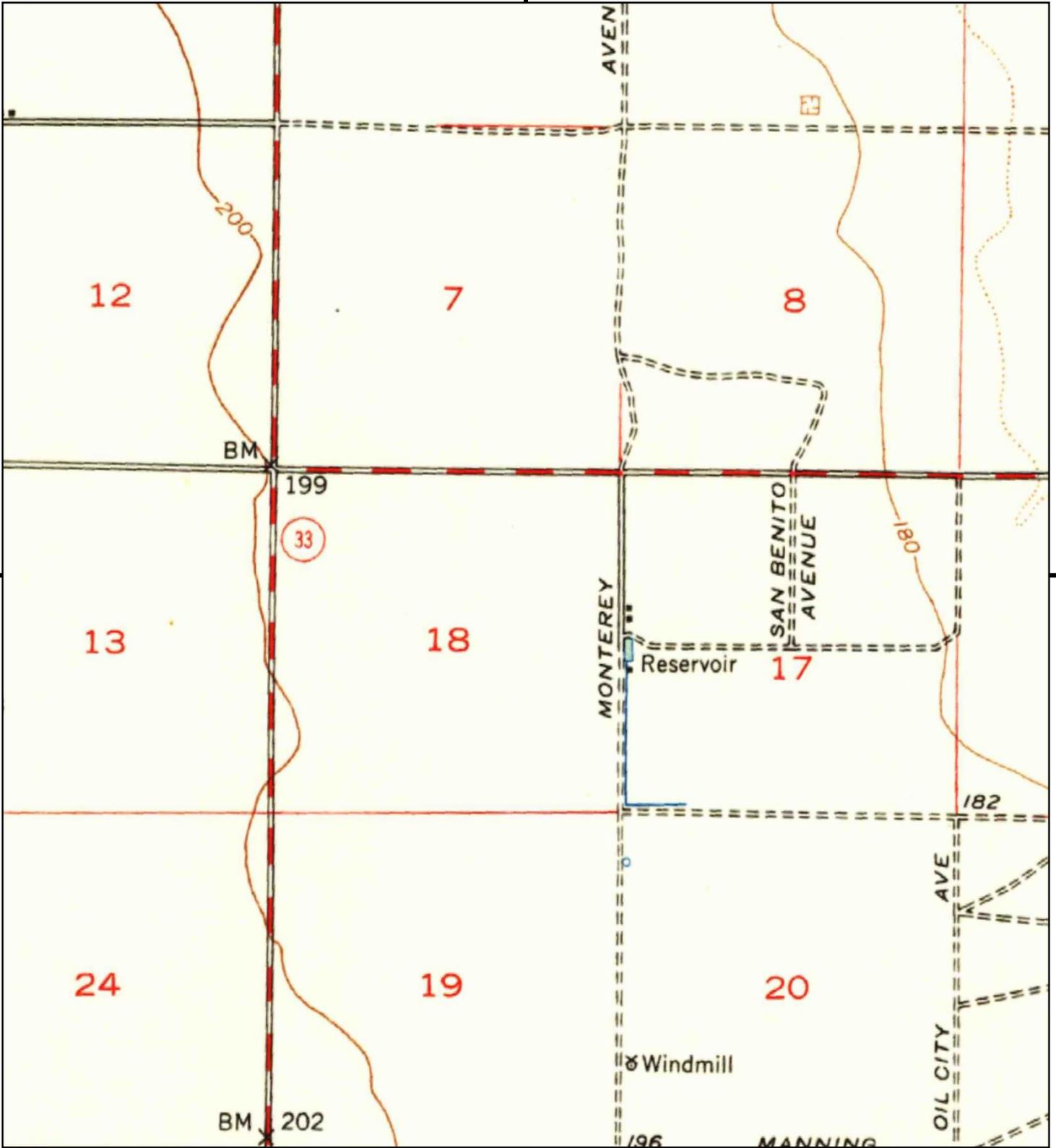
This report includes information from the following map sheet(s).



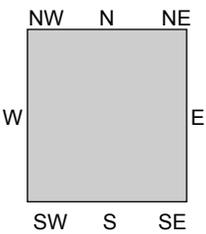
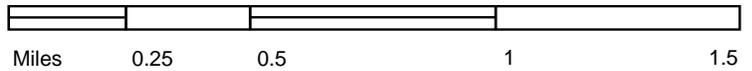
- TP, Tufts Ranch, 1947, 7.5-minute
- N, Tranquillity, 1947, 7.5-minute
- SE, Englebrecht Ranch, 1947, 7.5-minute
- SW, Levis, 1947, 7.5-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec





This report includes information from the following map sheet(s).



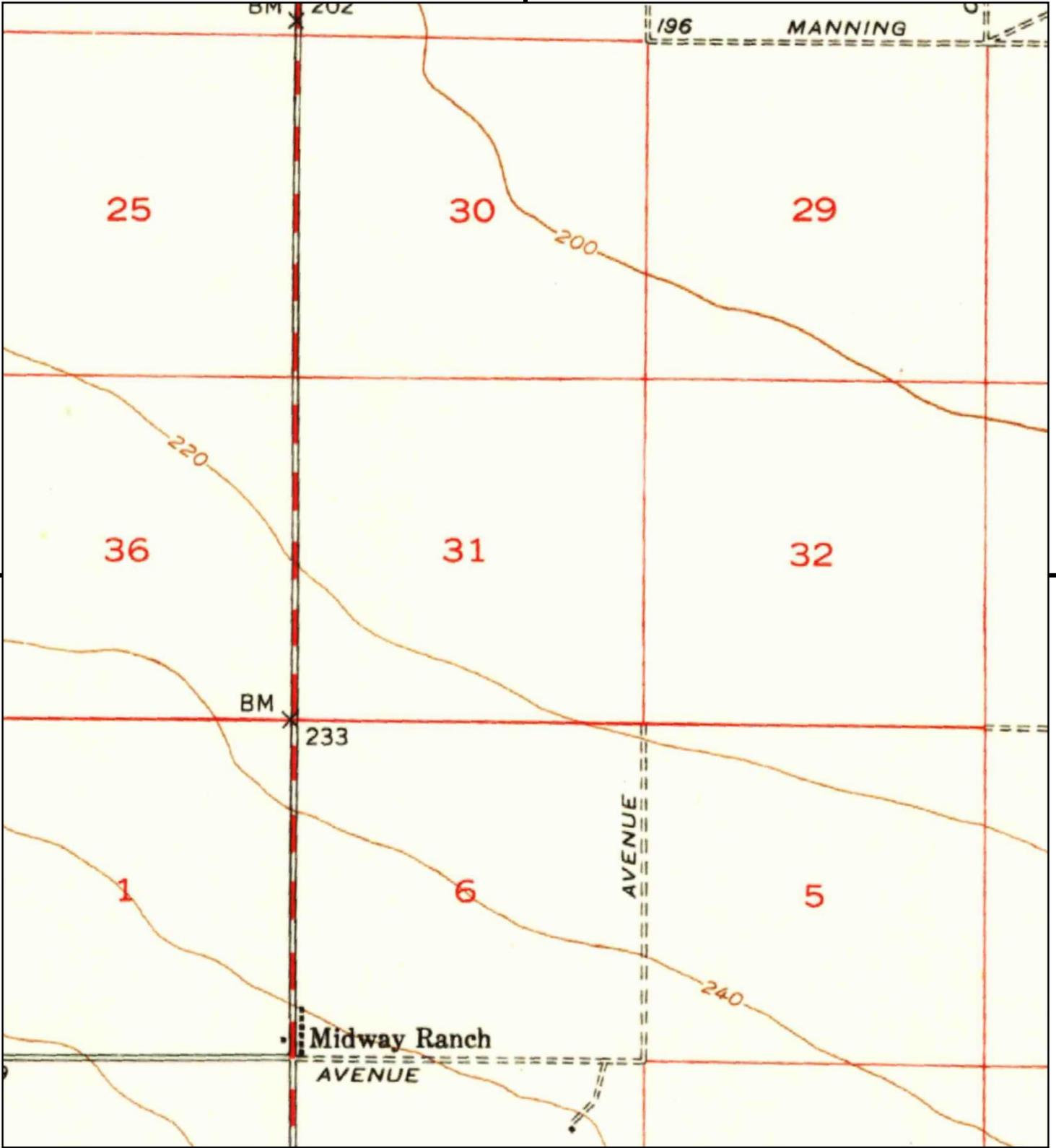
TP, Tranquillity, 1946, 15-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

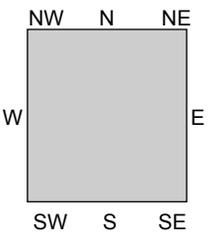
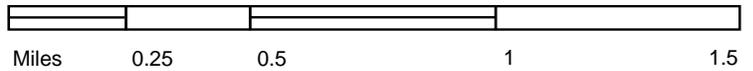


Historical Topo Map

1946



This report includes information from the following map sheet(s).



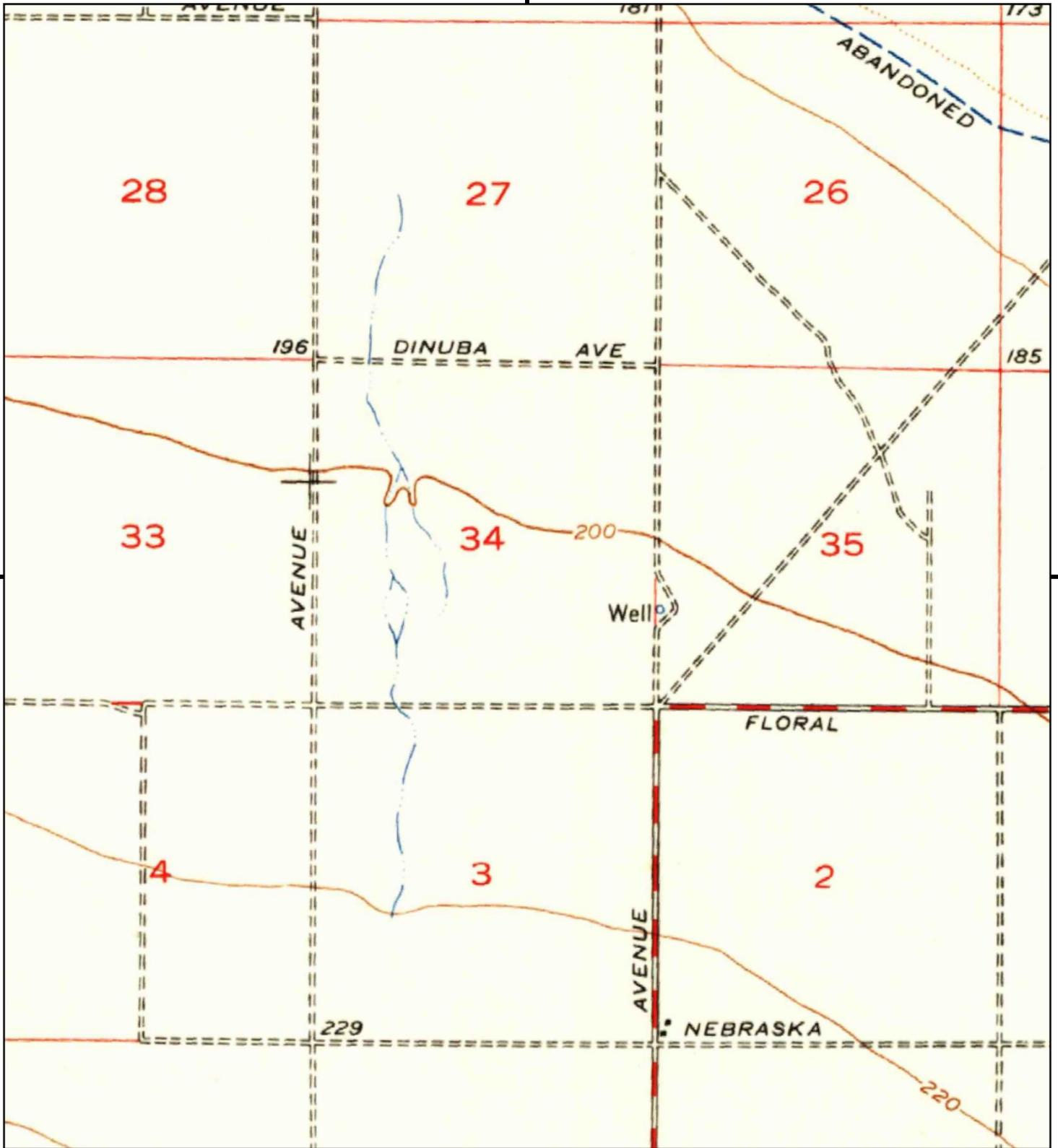
TP, Tranquillity, 1946, 15-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

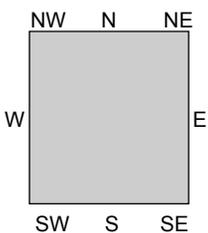


Historical Topo Map

1946



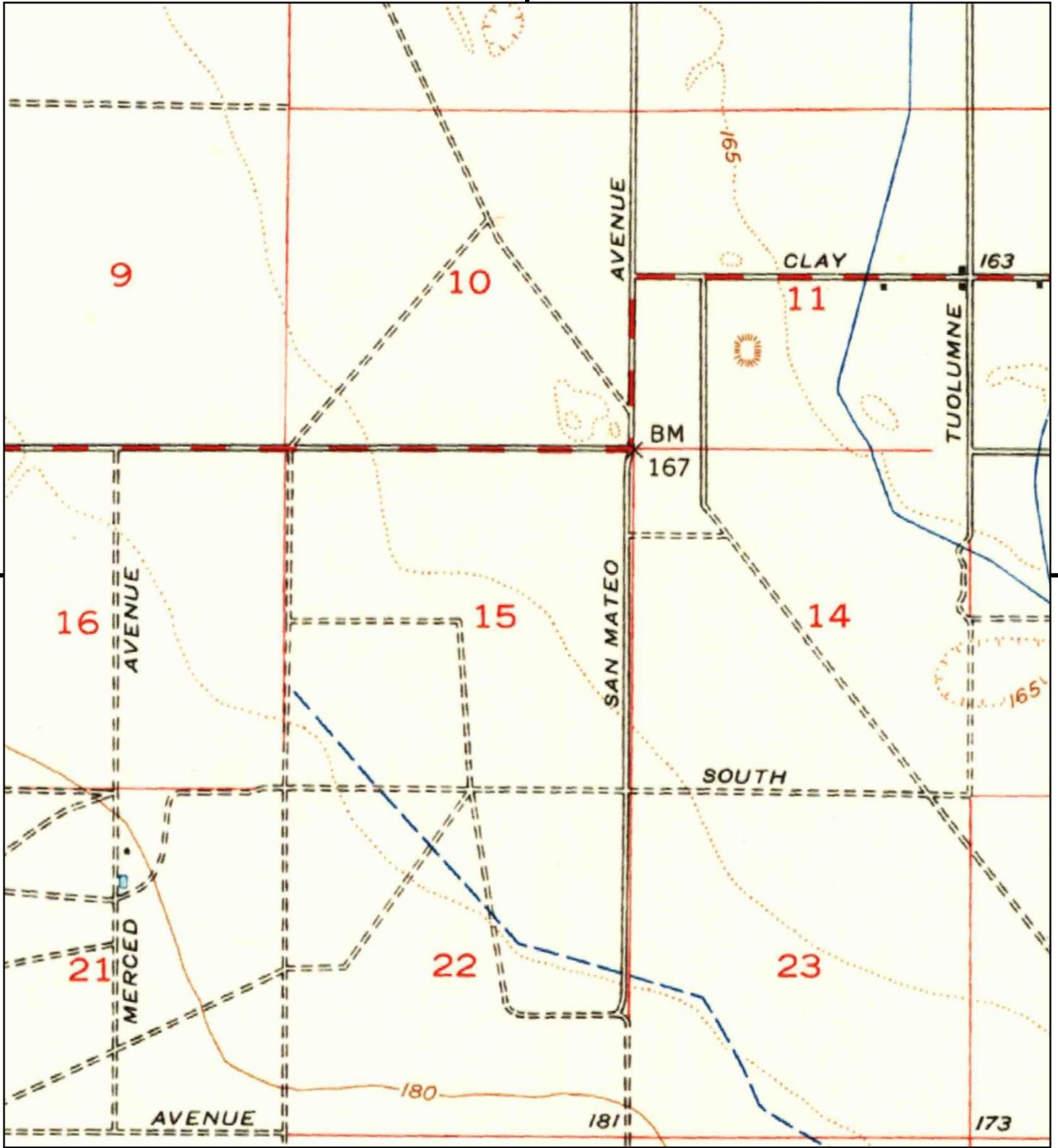
This report includes information from the following map sheet(s).



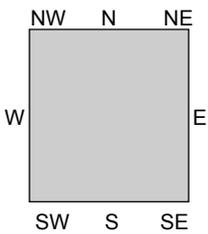
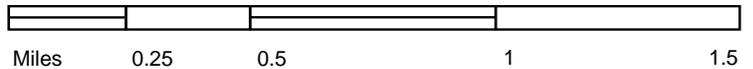
TP, Tranquillity, 1946, 15-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec





This report includes information from the following map sheet(s).



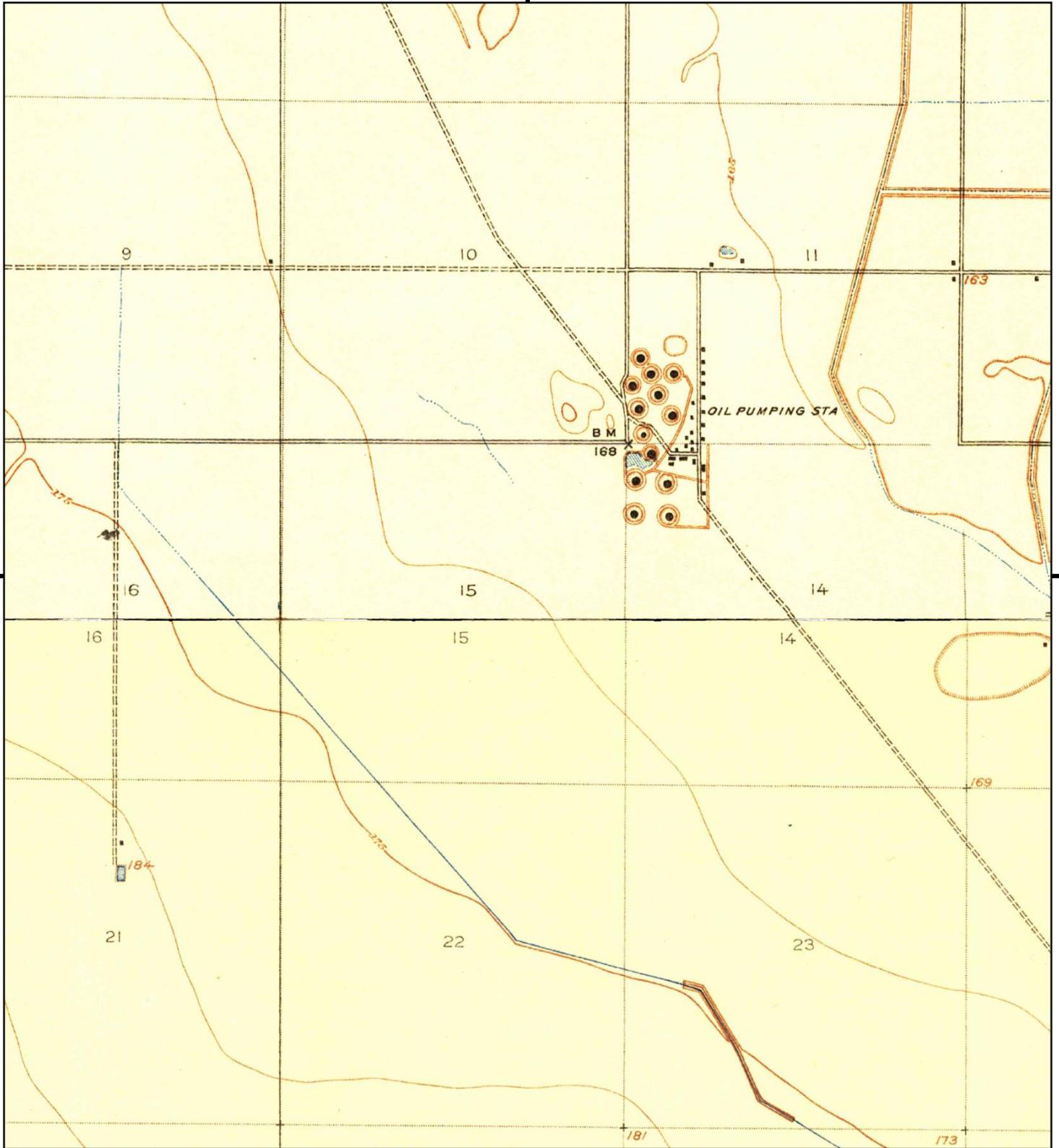
TP, Tranquillity, 1946, 15-minute

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek, CA 93608
 CLIENT: Stantec

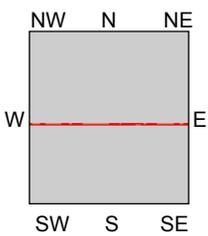


Historical Topo Map

1923, 1924



This report includes information from the following map sheet(s).



TP, Tranquillity, 1924, 7.5-minute
S, Englebrecht Ranch, 1923, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

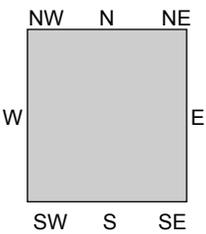
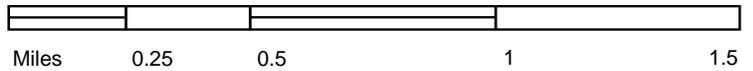


Historical Topo Map

1923



This report includes information from the following map sheet(s).



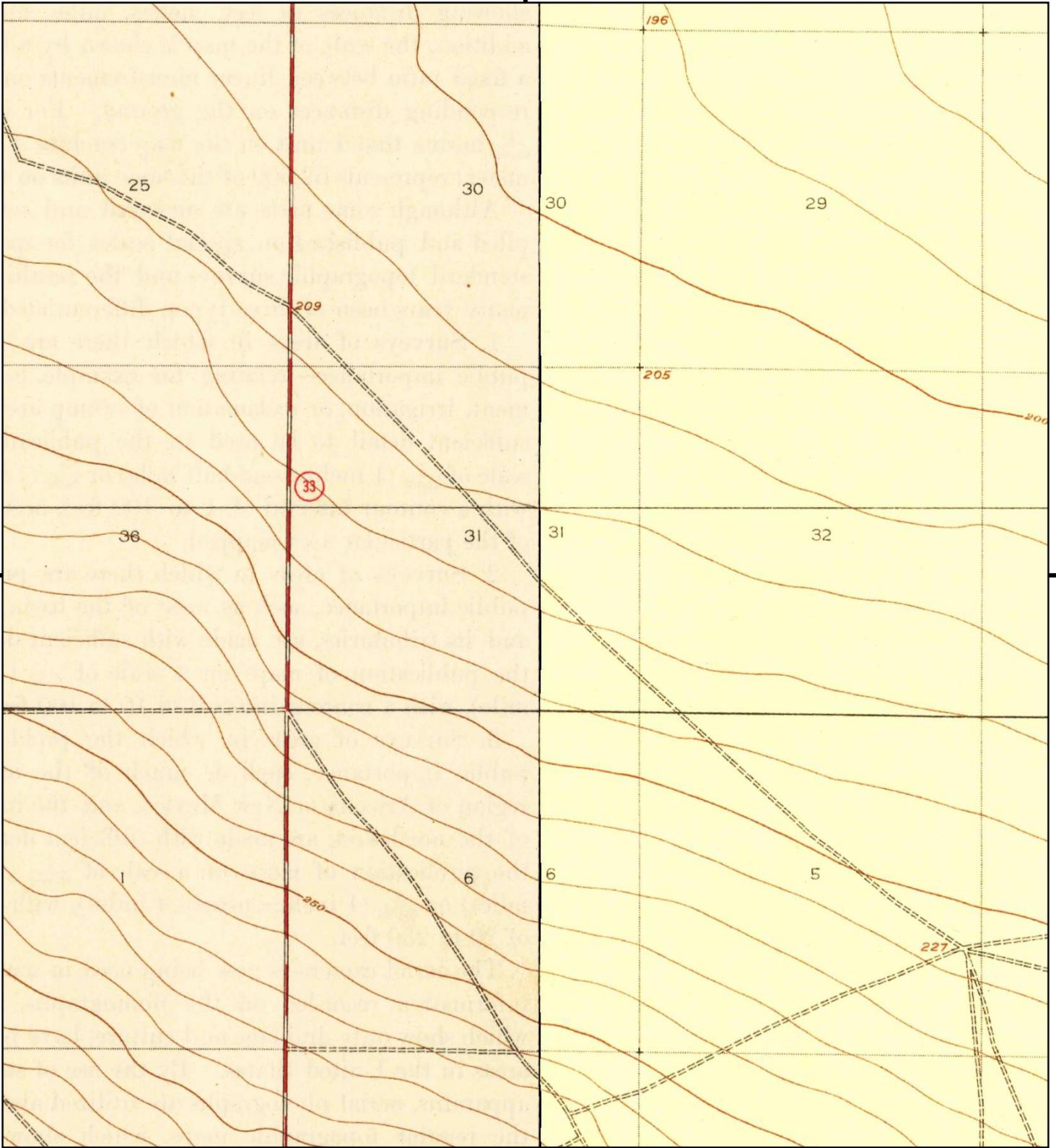
TP, Englebrecht Ranch, 1923, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

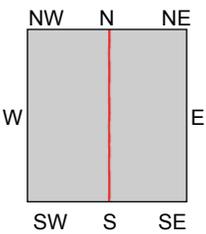
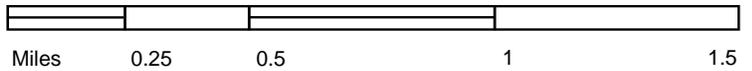


Historical Topo Map

1923



This report includes information from the following map sheet(s).



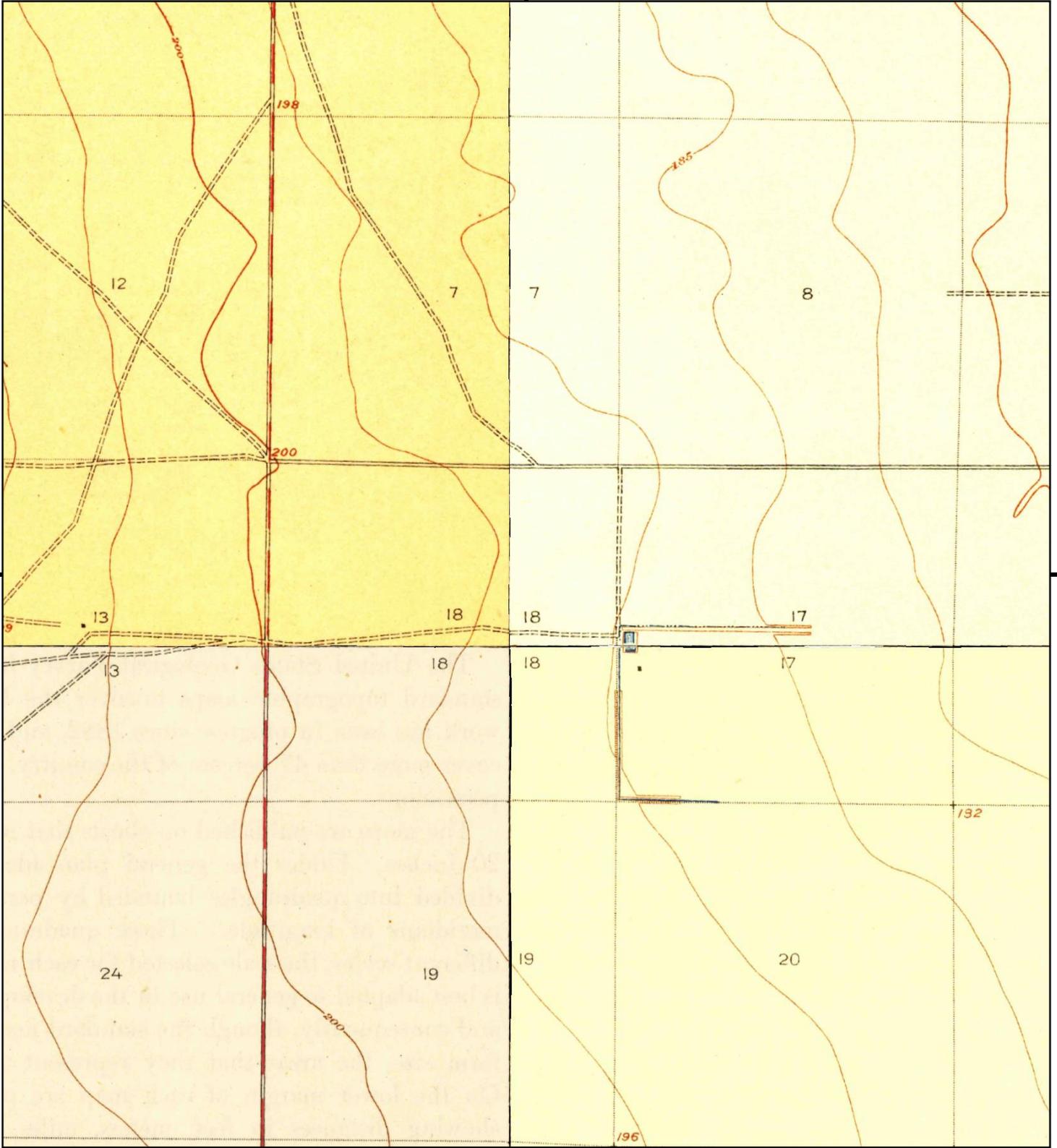
TP, Levis, 1923, 7.5-minute
E, Englebrecht Ranch, 1923, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec

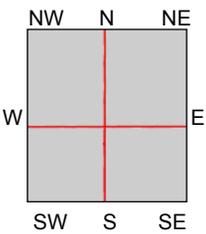
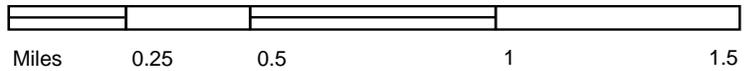


Historical Topo Map

1922, 1923, 1924



This report includes information from the following map sheet(s).



- TP, Tufts Ranch, 1922, 7.5-minute
- N, Tranquillity, 1924, 7.5-minute
- SE, Englebrecht Ranch, 1923, 7.5-minute
- SW, Levis, 1923, 7.5-minute

SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek, CA 93608
CLIENT: Stantec



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix C
ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT
April 28, 2016

**Appendix C
ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT**

RE Scarlet LLC

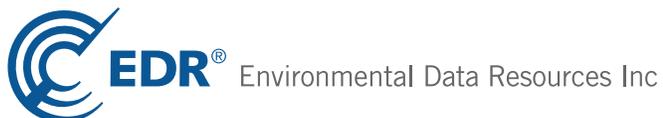
RE Scarlet LLC

Cantua Creek, CA 93608

Inquiry Number: 4550794.2s

February 29, 2016

The EDR Radius Atlas™ with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Details Maps	3
Map Findings Summary	28
Map Findings	32
Orphan Summary	55
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-13
Physical Setting Source Map Findings	A-15
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

RE SCARLET LLC
CANTUA CREEK, CA 93608

COORDINATES

Latitude (North): 36.6076770 - 36° 36' 27.63"
Longitude (West): 120.3498000 - 120° 20' 59.28"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 737040.7
UTM Y (Meters): 4054420.5
Elevation: 183 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5602462 CANTUA CREEK, CA
Version Date:	2012
North Map:	5602938 TRANQUILLITY, CA
Version Date:	2012
Southwest Map:	5602506 LEVIS, CA
Version Date:	2012
Northwest Map:	5602474 COIT RANCH, CA
Version Date:	2012

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

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

Federal CERCLIS NFRAP site List

CERCLIS-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

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

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

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities

EXECUTIVE SUMMARY

AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... Clandestine Drug Labs

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites

EXECUTIVE SUMMARY

SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS.....	Cleaner Facilities
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
FUELS PROGRAM.....	EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historic Gas Stations

EXECUTIVE SUMMARY

EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

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.

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 06/09/2015 has revealed that there is 1 RCRA-SQG site within approximately 3 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INTERAGENCY TREATMEN	ADAMS AVE AND THE SA	NNE 1 - 2 (1.863 mi.)	8	40

Federal ERNS list

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 06/22/2015 has revealed that there is 1 ERNS site within approximately 2.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	29177 SOUTH ADAMS AV	NE >2 (2.147 mi.)	B11	43

EXECUTIVE SUMMARY

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 12/14/2015 has revealed that there is 1 LUST site within approximately 3.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTLANDS WATER DIST Status: Completed - Case Closed Status: Case Closed Global Id: T0601900556	32650 W ADAMS AVE	NW >2 (2.438 mi.)	C15	45

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 12/14/2015 has revealed that there is 1 SLIC site within approximately 3.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRAY PROPERTY Facility Status: Completed - Case Closed Global Id: SLT5FR781033	FLORAL & SAN MATEO A	SE >2 (2.993 mi.)	21	53

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 3 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTLANDS WATER DIST Status: A Tank Status: A Comp Number: 59359	32650 W ADAMS AVE	NW >2 (2.438 mi.)	C15	45

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRODUCERS COTTON OIL Status: A Tank Status: A	31055 W ADAMS	N 1 - 2 (1.712 mi.)	A5	39

EXECUTIVE SUMMARY

Comp Number: 10879

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 3 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANQUILLITY FIELD O Facility Id: 00000059359 Facility Id: 00000058409	32650 W ADAMS AVENUE	NW >2 (2.438 mi.)	C18	50

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 is 1 CA FID UST site within approximately 3 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTLANDS WATER DIST Facility Id: 10003382 Status: A	32650 W ADAMS AVE	NW >2 (2.438 mi.)	C15	45

Records of Emergency Release Reports

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 09/25/2015 has revealed that there is 1 CHMIRS site within approximately 2.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported OES Incident Number: 7-0640	29177 S ADAMS AVE	NE >2 (2.147 mi.)	B10	42

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA

EXECUTIVE SUMMARY

Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/20/2015 has revealed that there is 1 FINDS site within approximately 2.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANDERSON CLAYTON COR	31055 WEST ADAMS AVE	N 1 - 2 (1.712 mi.)	A3	35

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 3 CUPA Listings sites within approximately 3 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTLANDS WATER DIST Facility Id: FA0169581	32650 W ADAMS	NW >2 (2.438 mi.)	C16	48

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRODUCERS COTTON OIL Facility Id: FA0271044	31055 W ADAMS	N 1 - 2 (1.712 mi.)	A5	39
PG&E WESTLANDS SUBST Facility Id: FA0275781	W ADAMS AVE	NNE 1 - 2 (1.757 mi.)	7	40

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

A review of the EMI list, as provided by EDR, and dated 12/31/2013 has revealed that there are 5 EMI sites within approximately 2.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLARK BROS-DERRICK G Facility Id: 335 Facility Id: 309	32588 W. ADAMS	NW >2 (2.441 mi.)	C19	51
CLARK BROTHERS-DERRI Facility Id: 335	32588 W ADAMS	NW >2 (2.441 mi.)	C20	52

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANDERSON CLAYTON COR Facility Id: 968 Facility Id: 958	31055 W ADAMS	N 1 - 2 (1.712 mi.)	A1	32
PRODUCERS COTTON - M Facility Id: 336	31055 W. ADAMS	N 1 - 2 (1.712 mi.)	A2	35
PRODUCERS COTTON OIL Facility Id: 968	31055 WEST ADAMS	N 1 - 2 (1.713 mi.)	A6	40

EXECUTIVE SUMMARY

HAZNET: 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 from non-California manifests & continuation sheets are not included at the present time. 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, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2014 has revealed that there are 5 HAZNET sites within approximately 2.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FIRST SOLAR ELECTRIC GEPaid: CAL000401606	8008 S DERRICK HWY	W >2 (2.181 mi.)	12	43
TRANQUILLITY_FIELD O GEPaid: CAC001035520	32650 W ADAMS AVE	NW >2 (2.438 mi.)	C14	45
WESTLANDS WATER DIST GEPaid: CAL000042588	32650 W ADAMS AVE	NW >2 (2.438 mi.)	C17	48
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANDERSON CLAYTON COR GEPaid: CAL000163039	31055 W ADAMS	N 1 - 2 (1.712 mi.)	A4	38
DWR/DEPT WATER RESOU GEPaid: CAC001391808	29177 W ADAMS	NE >2 (2.147 mi.)	B9	41

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 [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 3.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTLANDS WATER DIST Reg Id: 5T10000573	32650 W ADAMS AVE	NW >2 (2.438 mi.)	C15	45

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 09/20/2015 has revealed that there is 1 ECHO site within approximately 2.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANDERSON CLAYTON COR	31055 WEST ADAMS AVE	N 1 - 2 (1.712 mi.)	A3	35

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

A review of the RGA LUST list, as provided by EDR, has revealed that there is 1 RGA LUST site within approximately 2.75 miles of the target property.

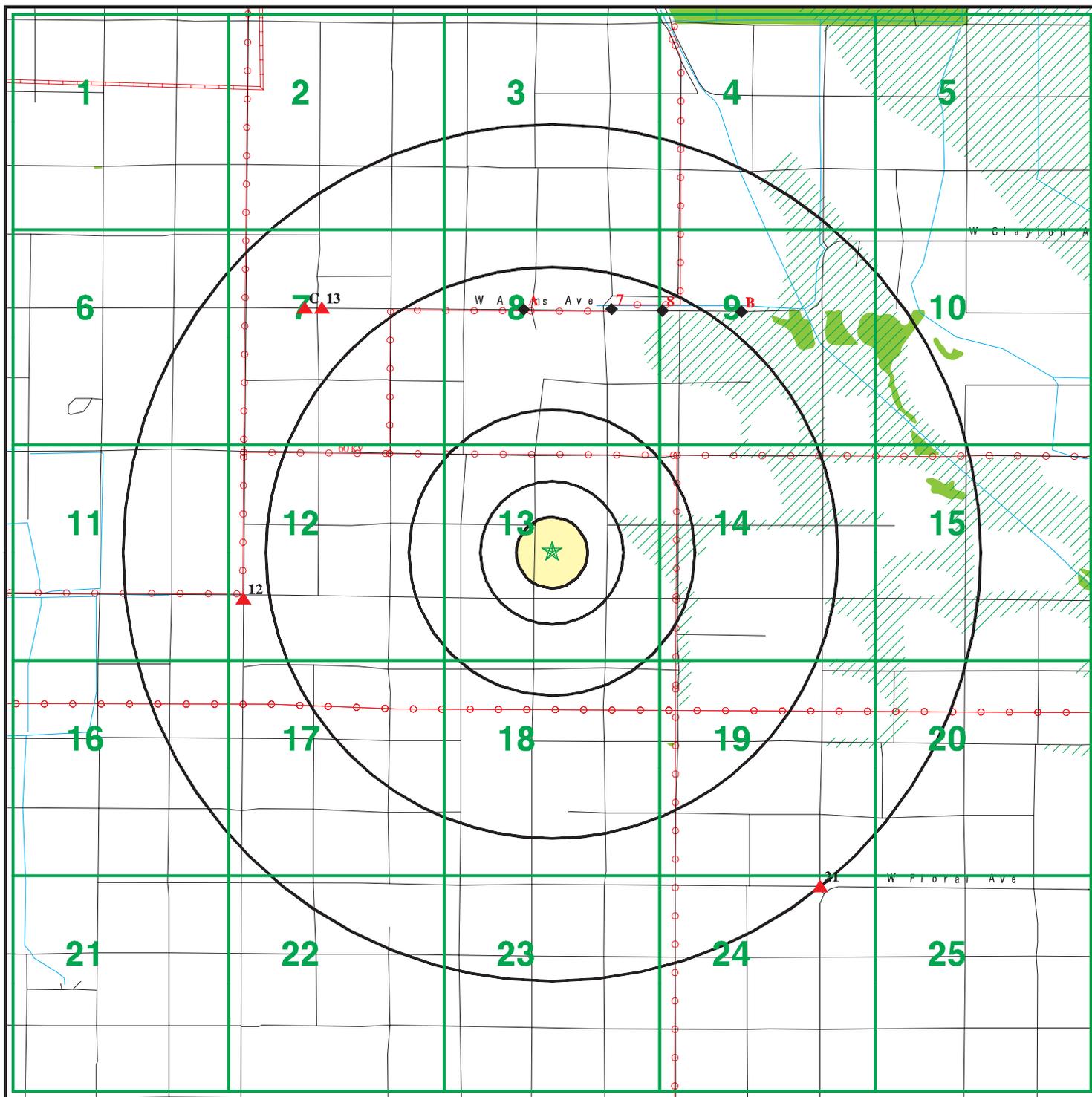
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTLANDS WATER DIST	32560 ADAMS W	NW >2 (2.353 mi.)	13	44

EXECUTIVE SUMMARY

SPRECKELS SUGAR COMPANY, INC.
TRANQUILITY DUMPSITE
RANCH MANAGEMENT LLC
PG&E GIFFEN SUBSTATION
PG&E CHENEY SUBSTATION

ENVIROSTOR
ENVIROSTOR
PEST LIC
ECHO
ECHO

OVERVIEW MAP - 4550794.2S



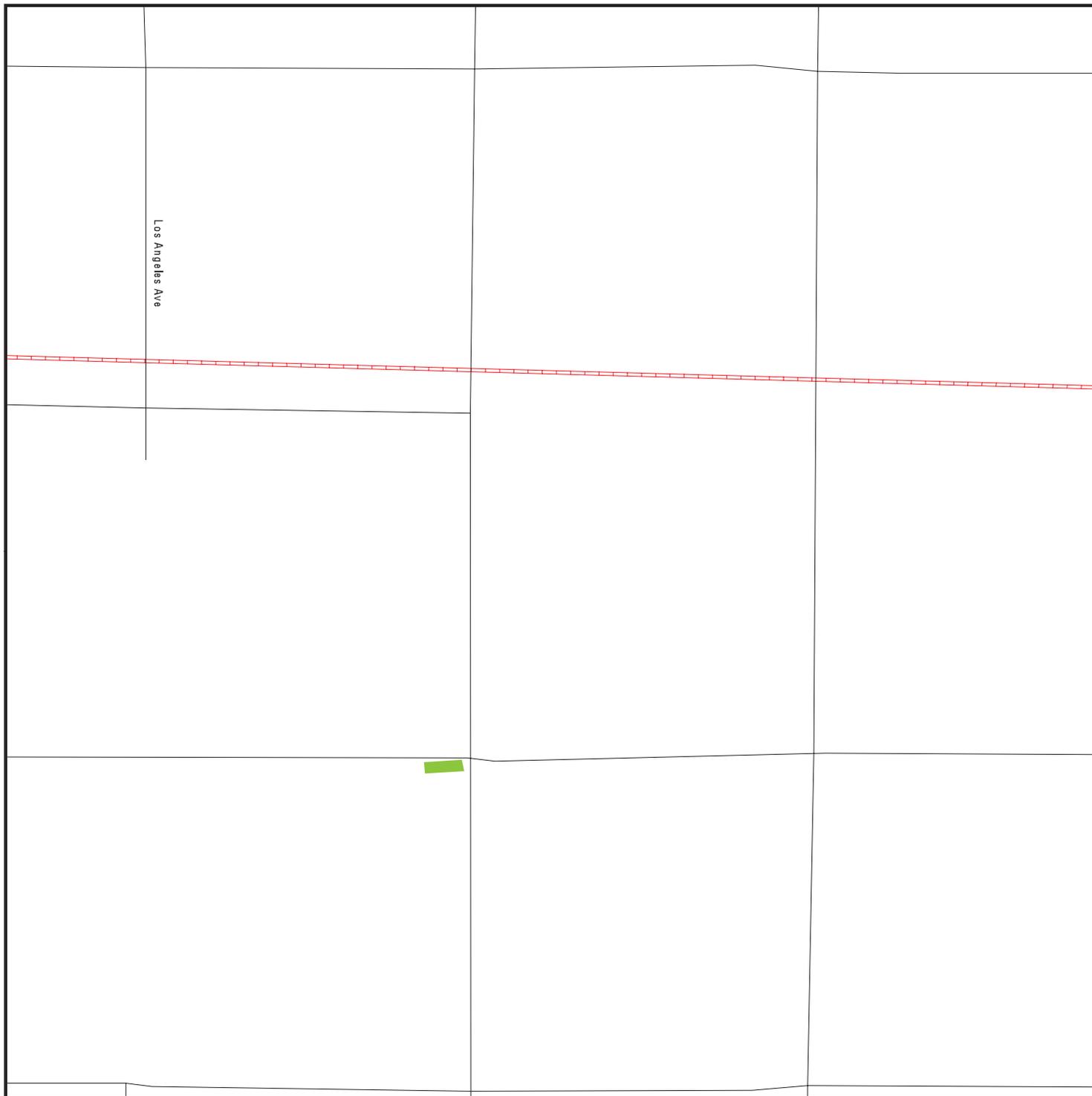
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- 0 3/4 1 1/2 3 Miles
- Indian Reservations BIA
- Areas of Concern
- ⚡ Power transmission lines
- ⚡ Pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands

SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 4:53 pm

DETAIL MAP 1 OF 25 - 4550794.2S



★ 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

⚡ Pipelines

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

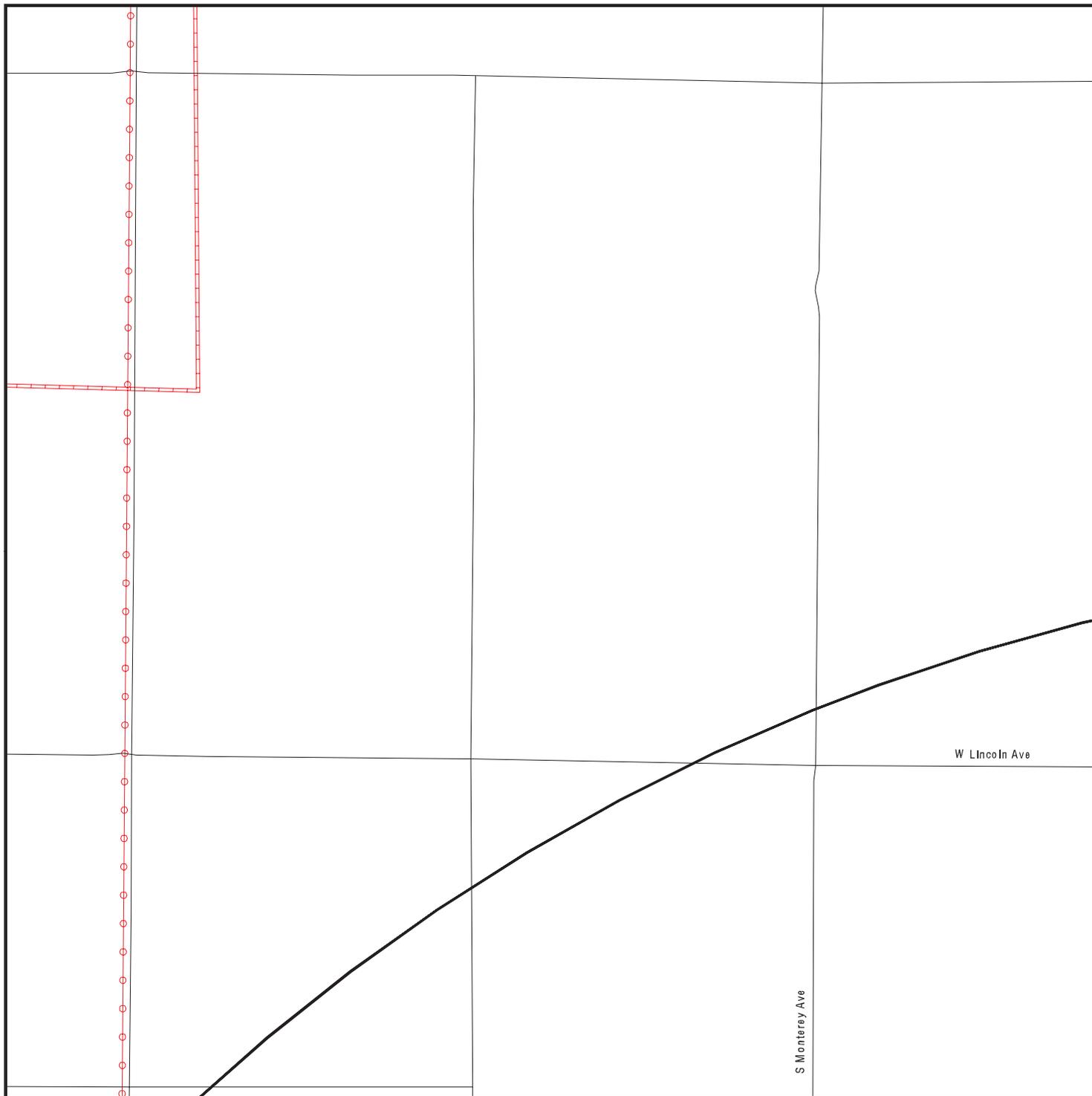
☒ Areas of Concern



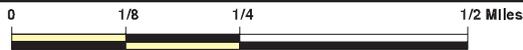
SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 4:55 pm

DETAIL MAP 2 OF 25 - 4550794.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚒 National Priority List Sites
- 🏠 Dept. Defense Sites



-  Indian Reservations BIA
-  Power transmission lines
-  Pipelines
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 4:57 pm

DETAIL MAP 3 OF 25 - 4550794.2S



★ 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

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

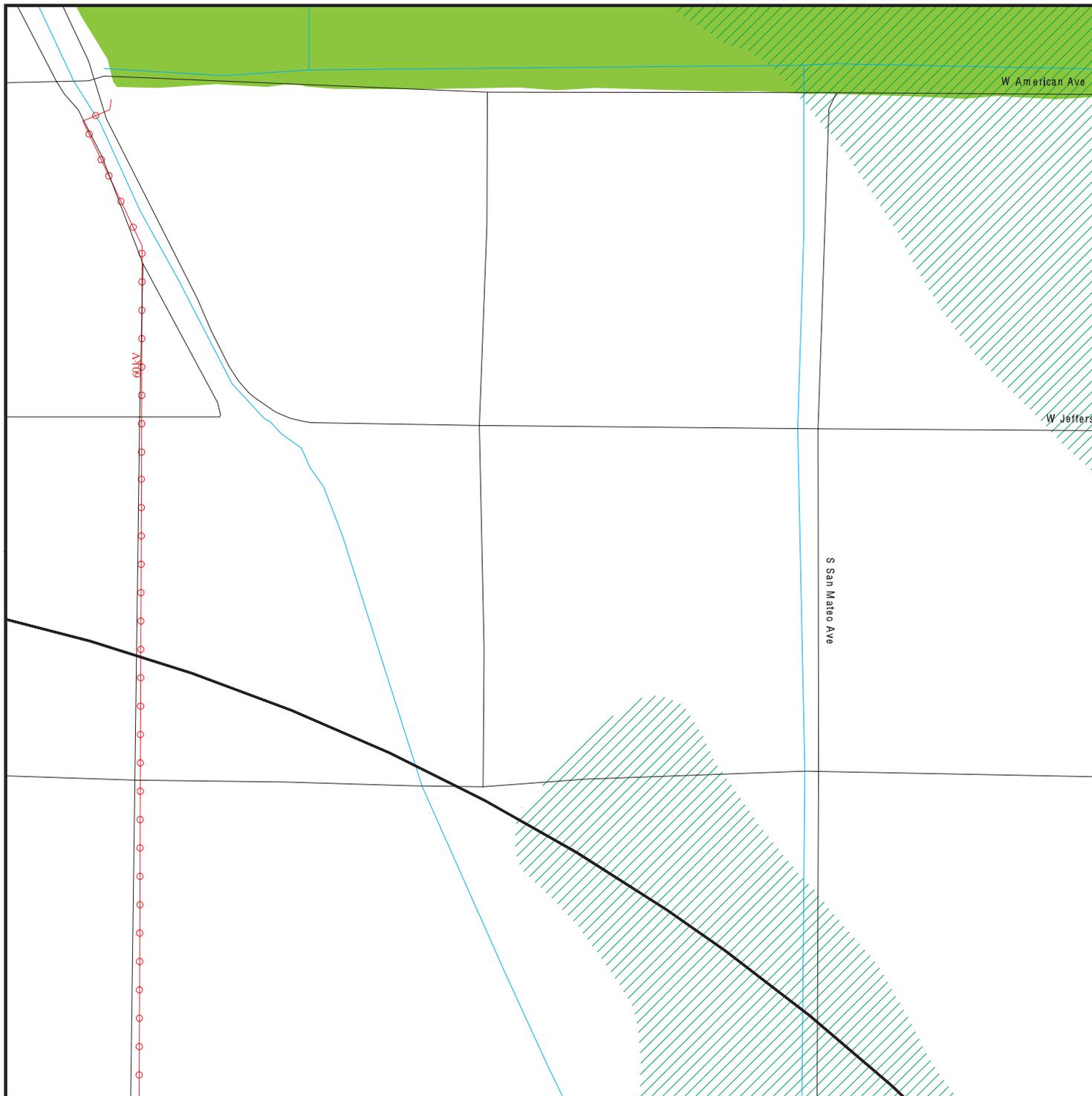
☒ Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:00 pm

DETAIL MAP 4 OF 25 - 4550794.2S



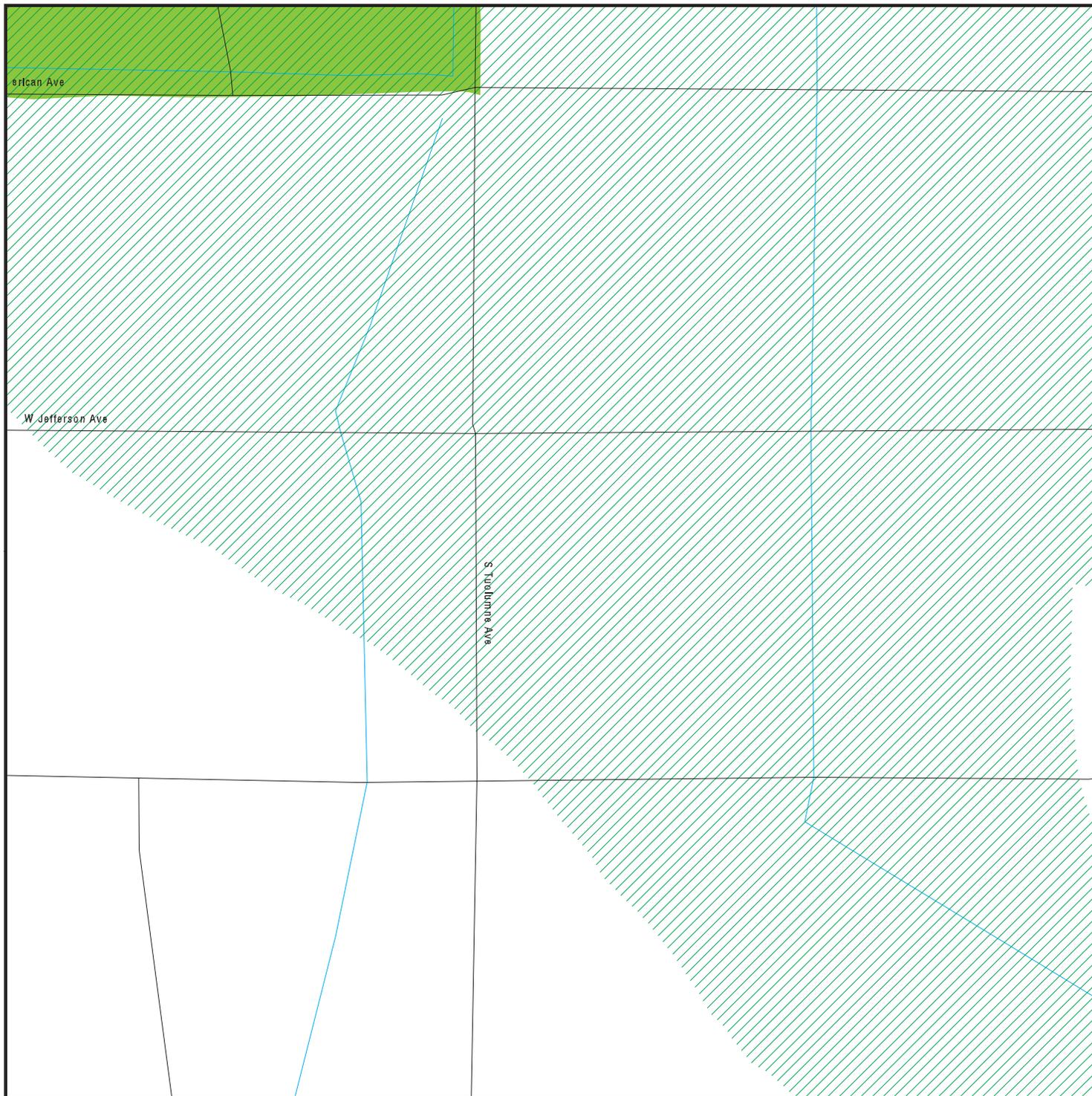
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏢 Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

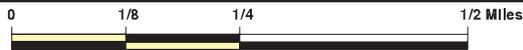
SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:01 pm

DETAIL MAP 5 OF 25 - 4550794.2S



- ★ 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



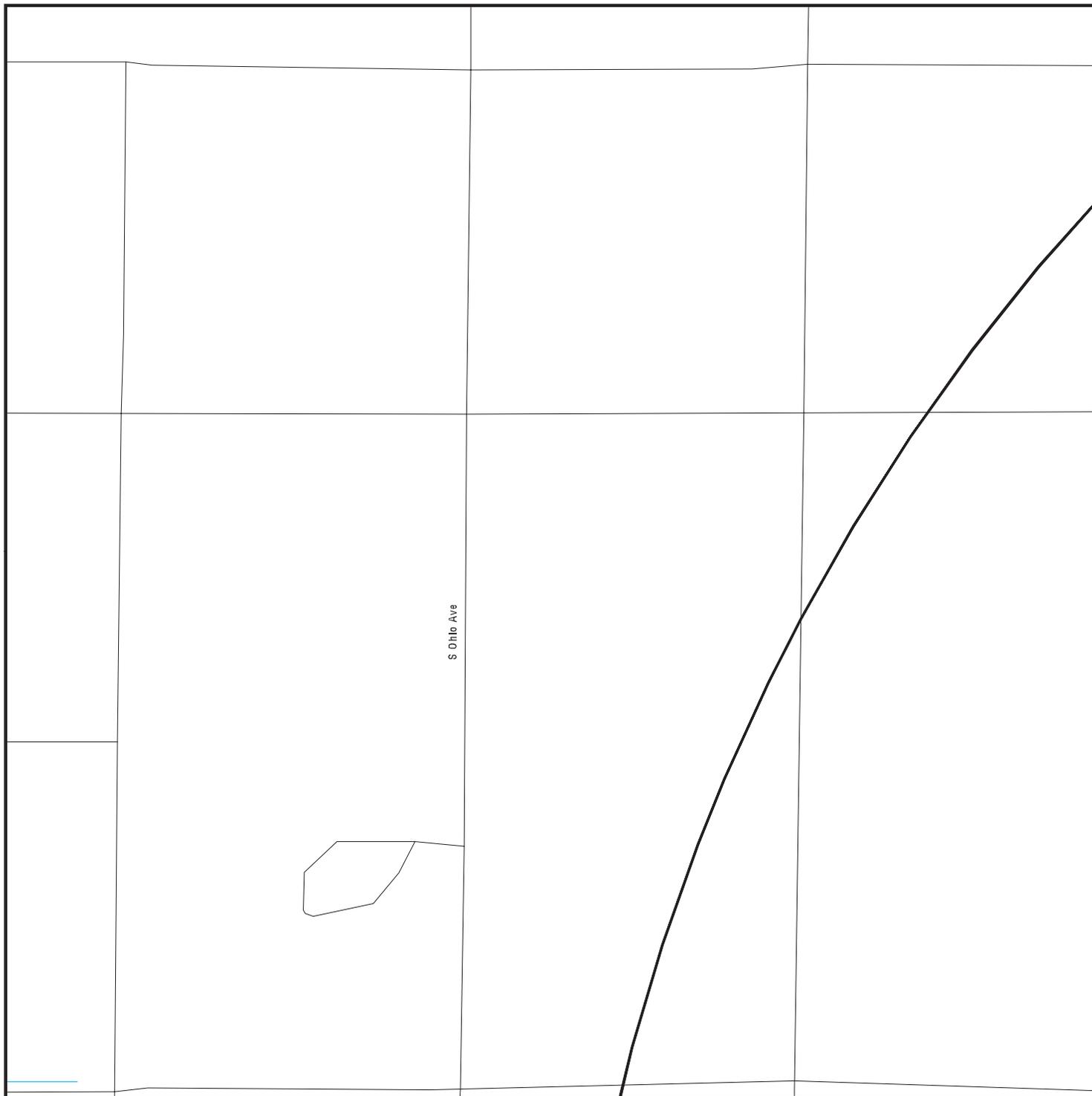
- ☒ Indian Reservations BIA
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- ☒ National Wetland Inventory
- ☒ State Wetlands
- ☒ Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:04 pm

DETAIL MAP 6 OF 25 - 4550794.2S



S Ohio Ave

- ★ 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



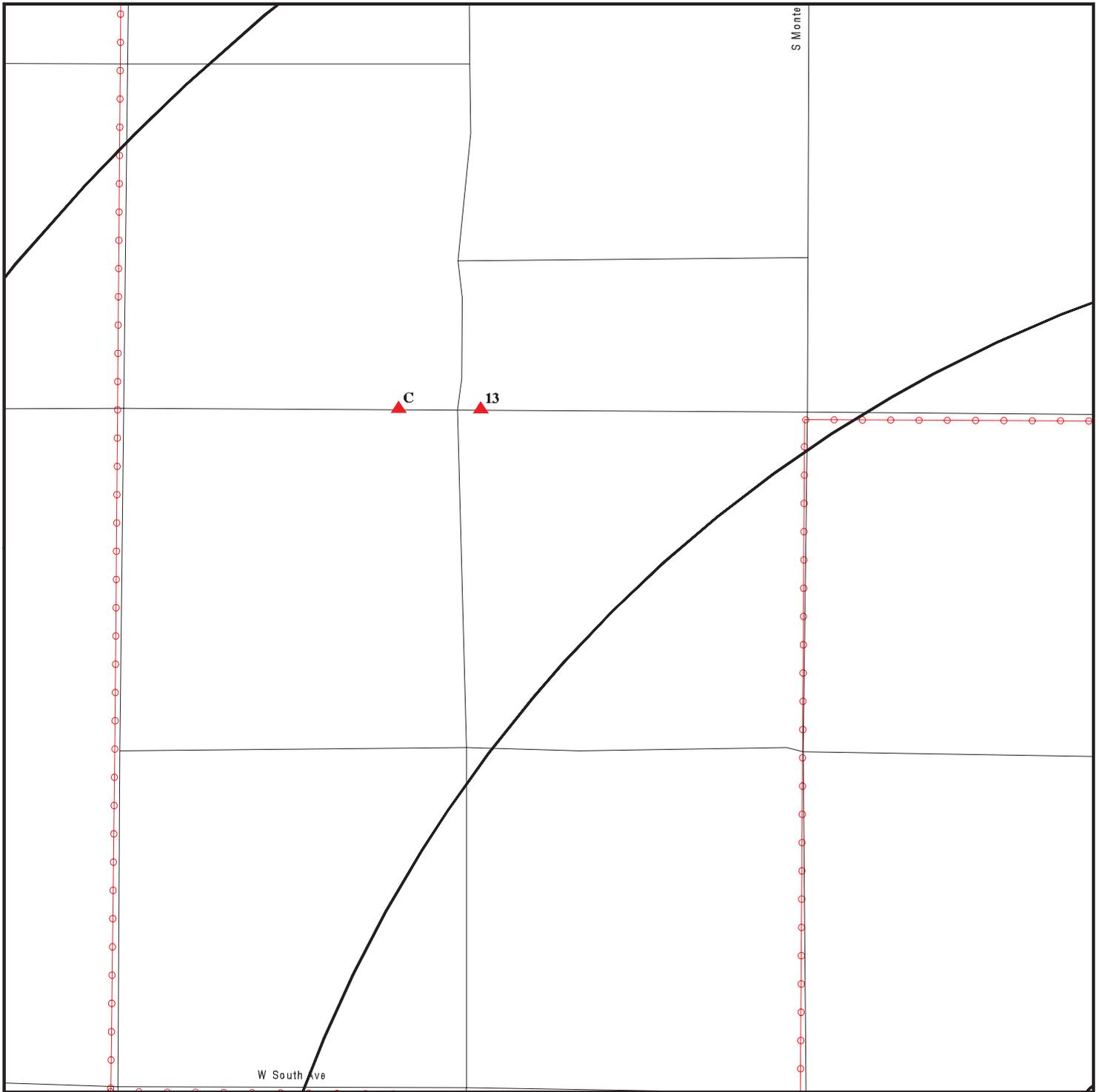
-  Indian Reservations BIA
-  Areas of Concern
-  100-year flood zone
-  500-year flood zone



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:05 pm

DETAIL MAP 7 OF 25 - 4550794.2S

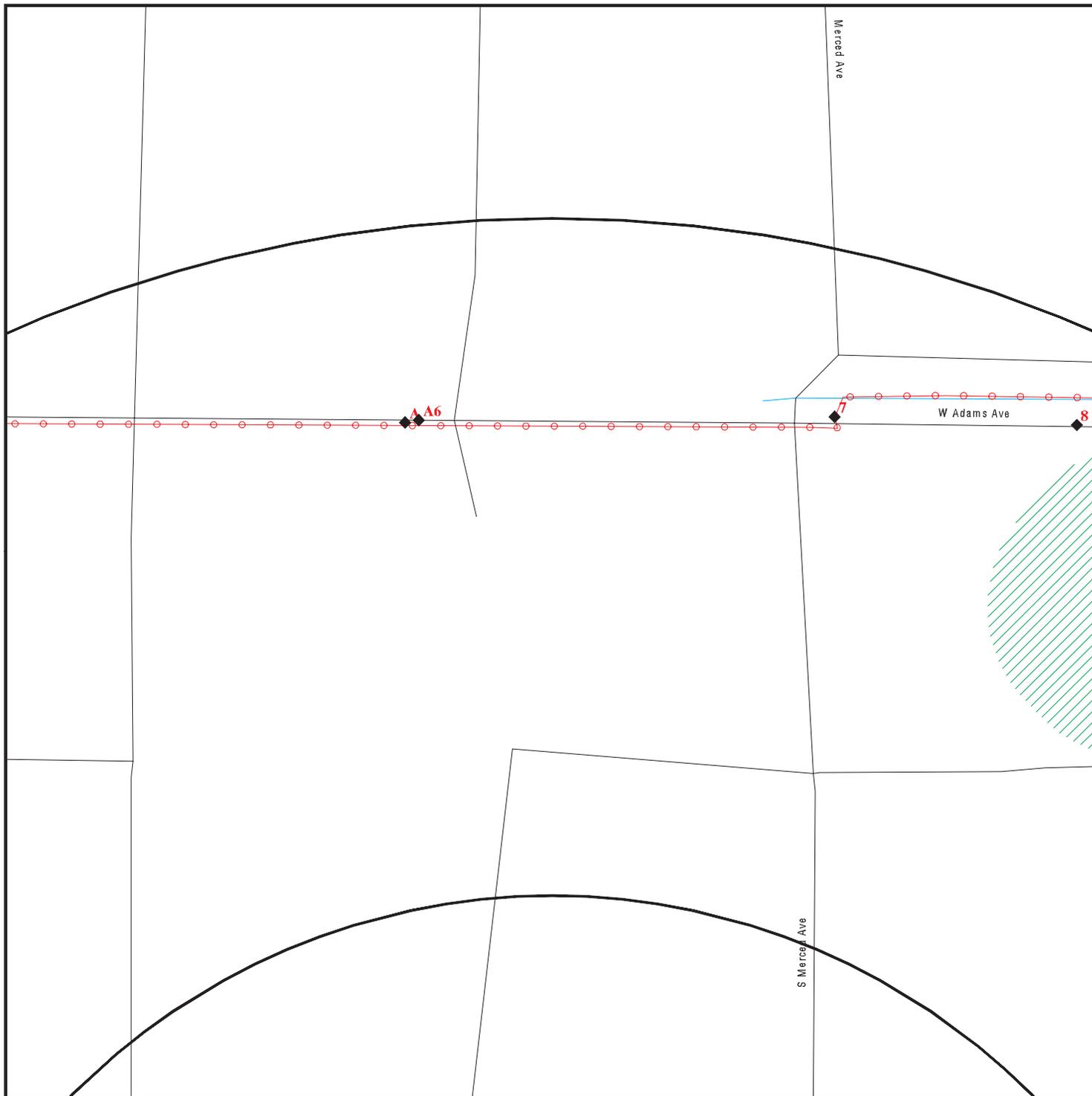


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Areas of Concern

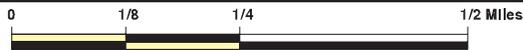
SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:07 pm

DETAIL MAP 8 OF 25 - 4550794.2S



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



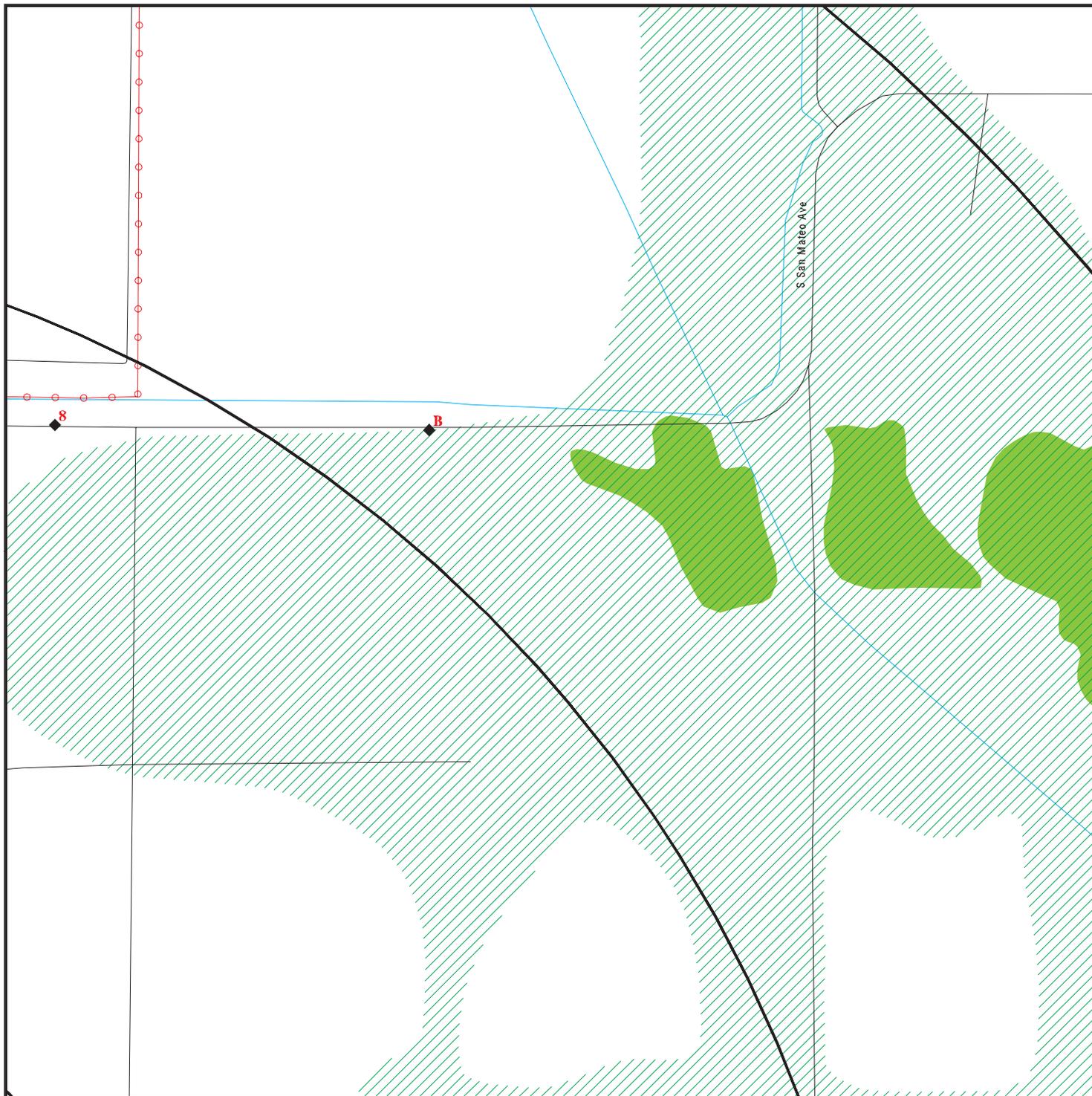
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ☒ Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:08 pm

DETAIL MAP 9 OF 25 - 4550794.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites
- 🏞 Indian Reservations BIA
- ⚡ Power transmission lines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands
- 🔴 Areas of Concern

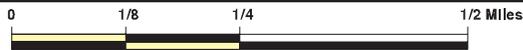
SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:10 pm

DETAIL MAP 10 OF 25 - 4550794.2S



- ★ 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



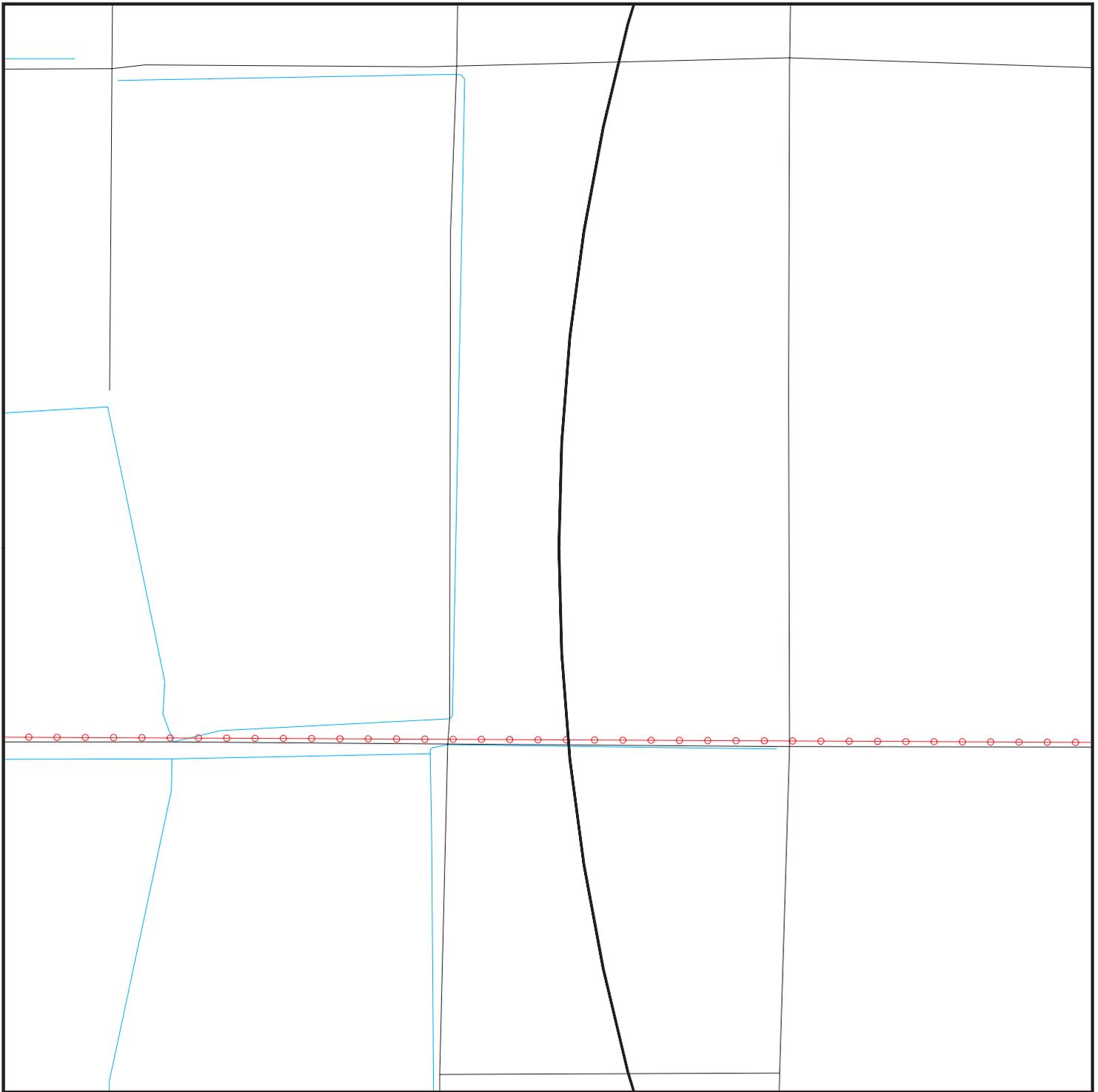
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:11 pm

DETAIL MAP 11 OF 25 - 4550794.2S



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



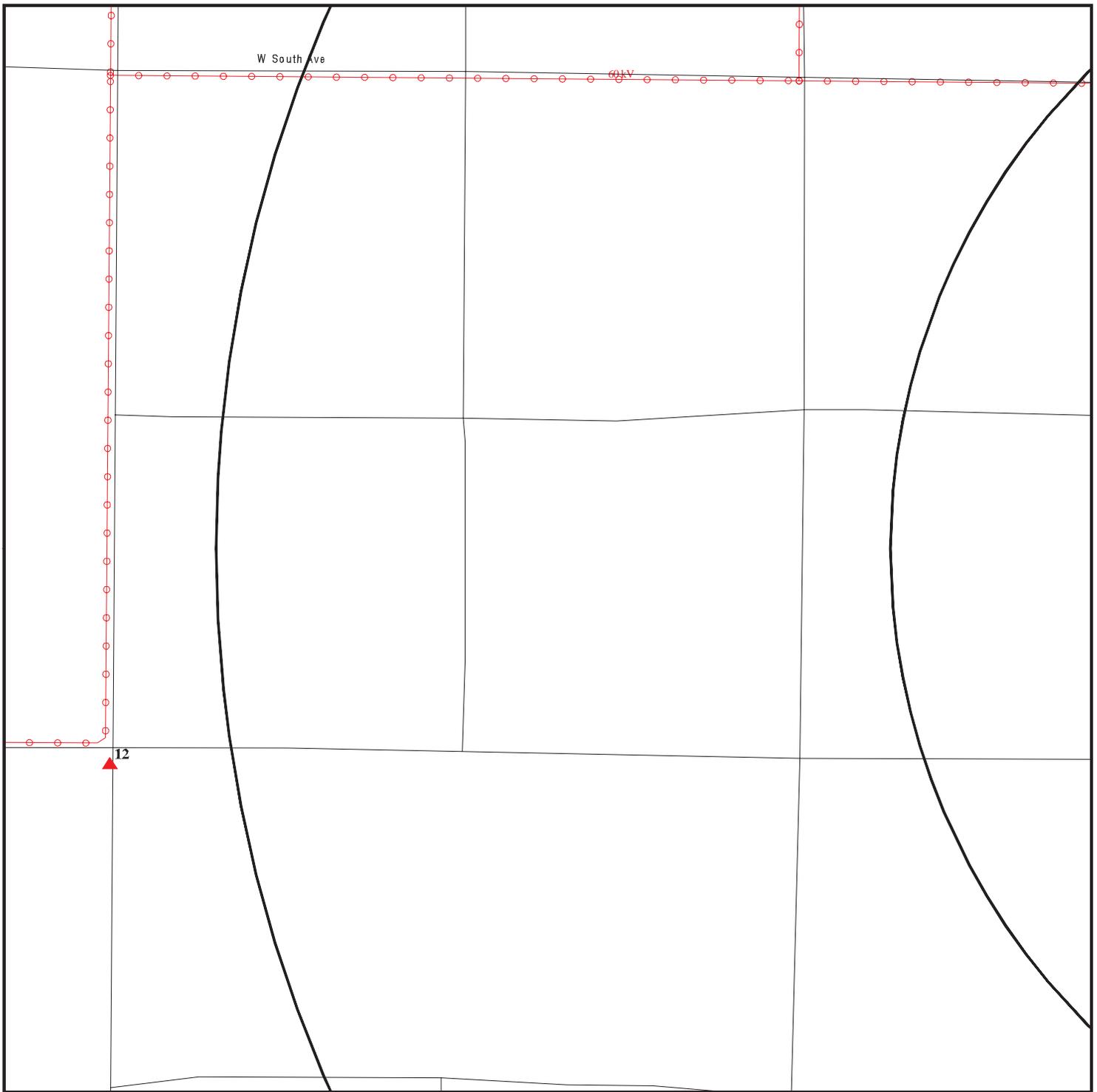
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ☒ Areas of Concern



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:14 pm

DETAIL MAP 12 OF 25 - 4550794.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚰 National Priority List Sites
- 🏠 Dept. Defense Sites



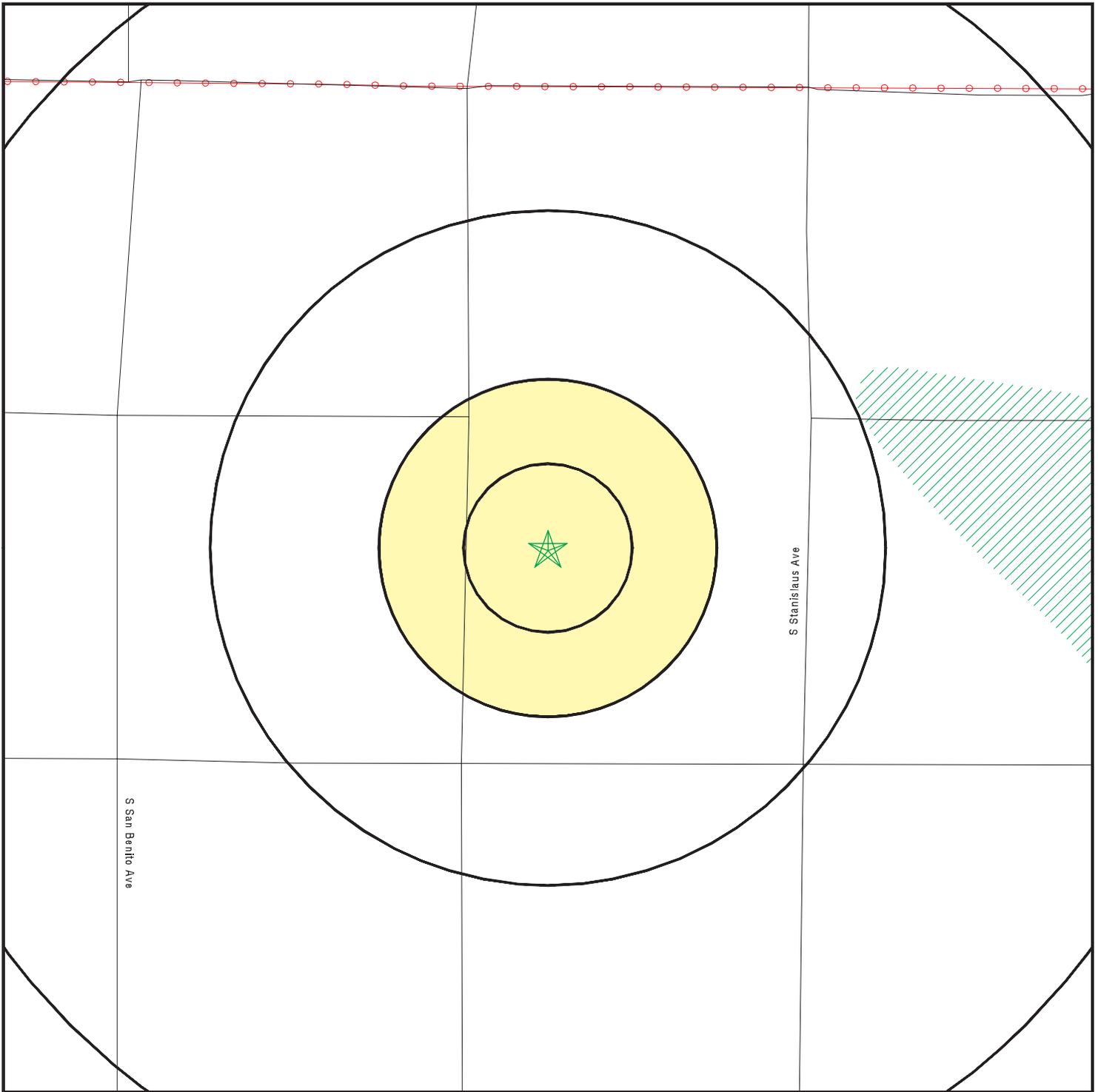
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



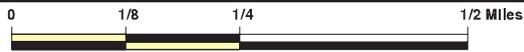
SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:16 pm

DETAIL MAP 13 OF 25 - 4550794.2S



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



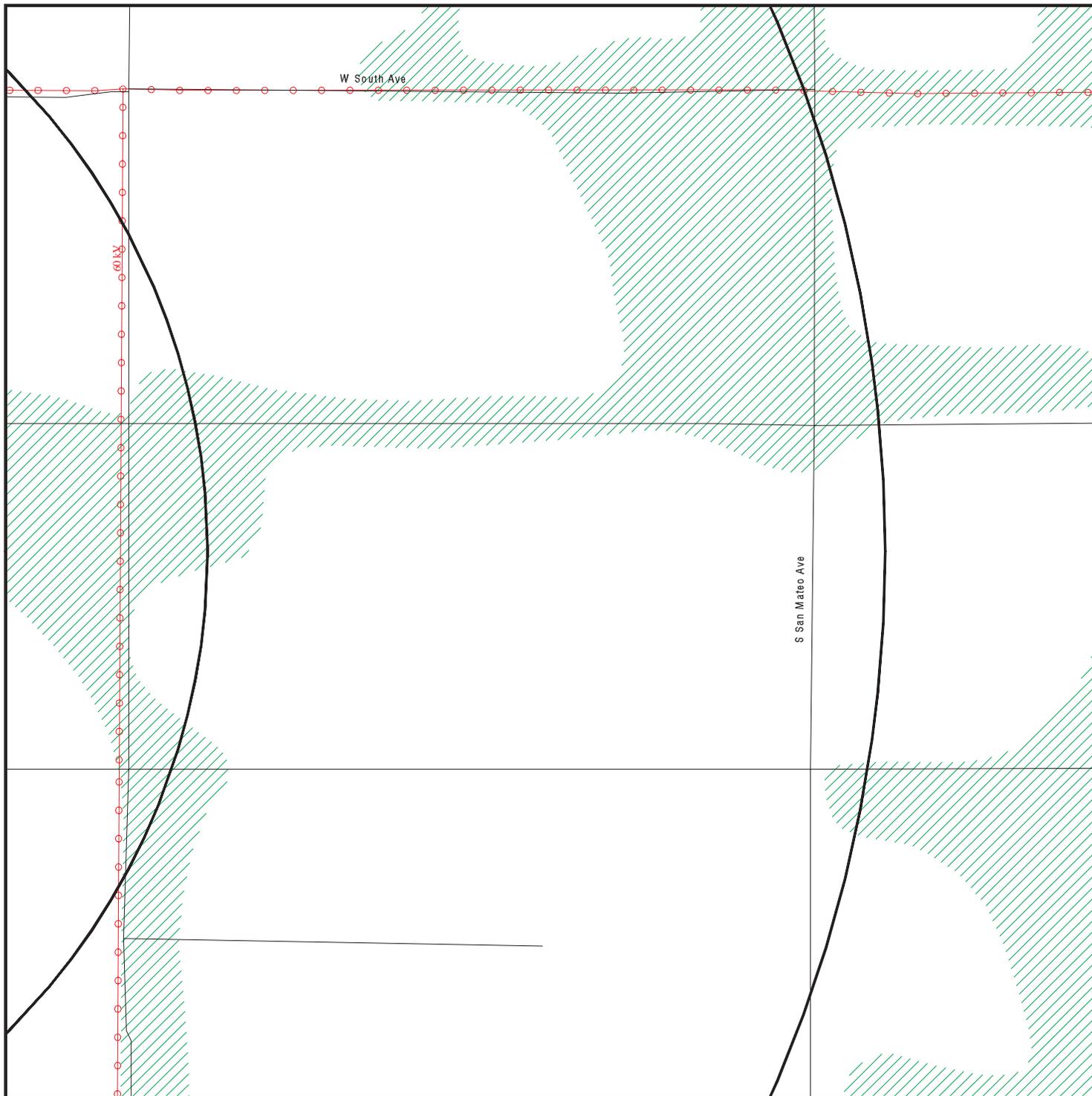
- 🏠 Indian Reservations BIA
- ⚡ Power transmission lines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🏠 Areas of Concern



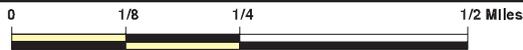
SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:19 pm

DETAIL MAP 14 OF 25 - 4550794.2S



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



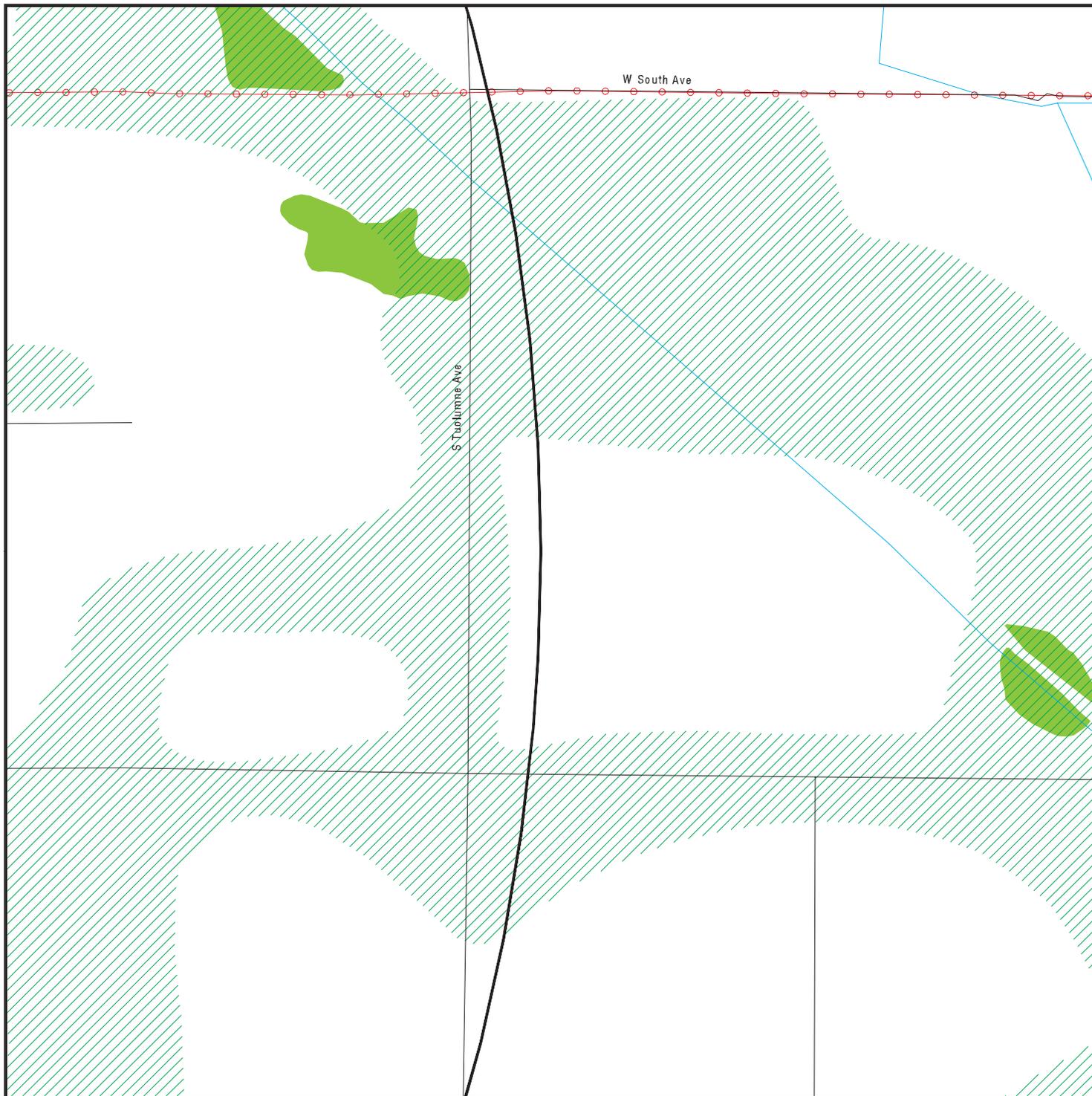
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern



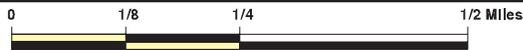
SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:22 pm

DETAIL MAP 15 OF 25 - 4550794.2S



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



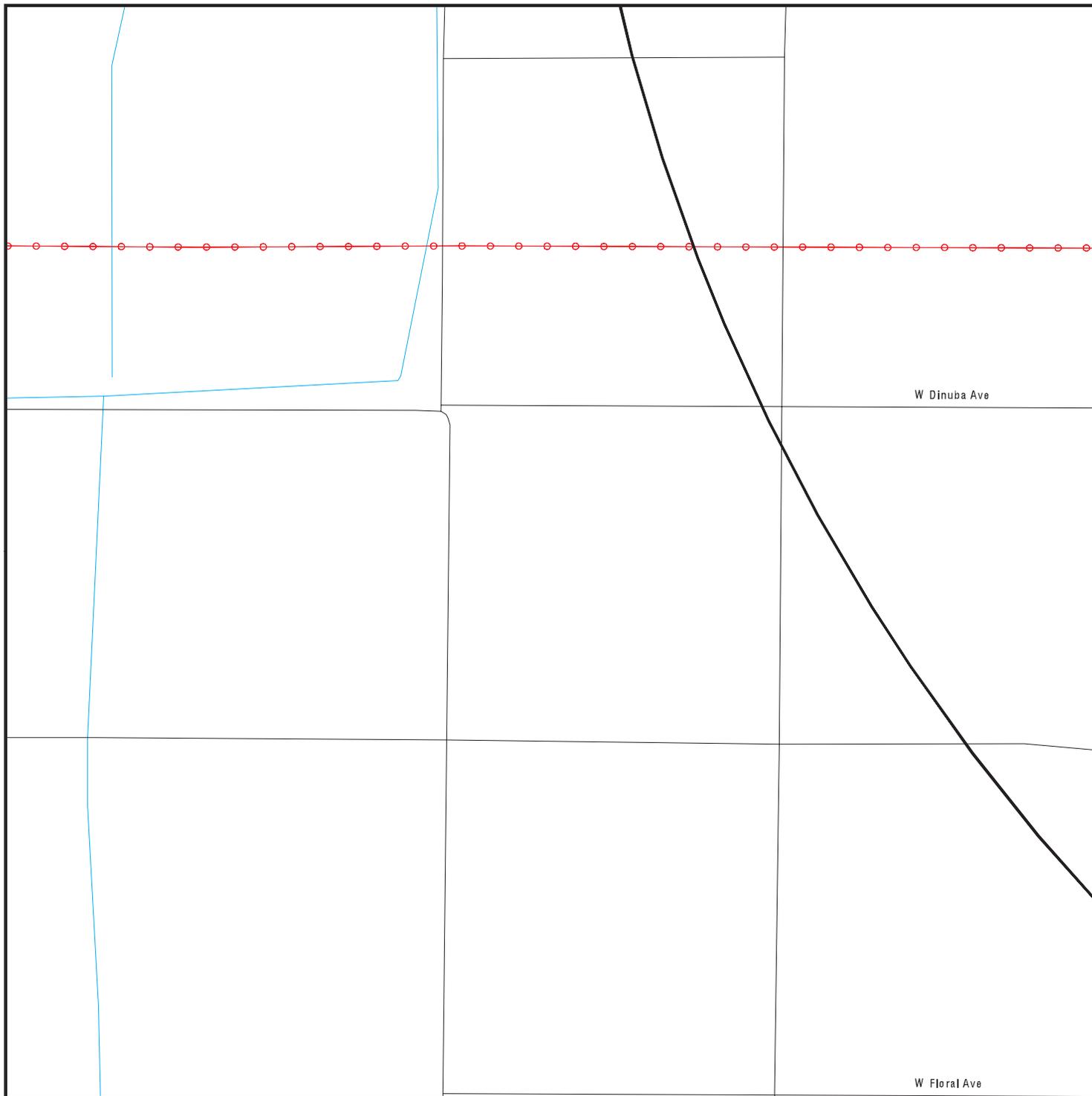
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:25 pm

DETAIL MAP 16 OF 25 - 4550794.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚰 National Priority List Sites
- 🏢 Dept. Defense Sites

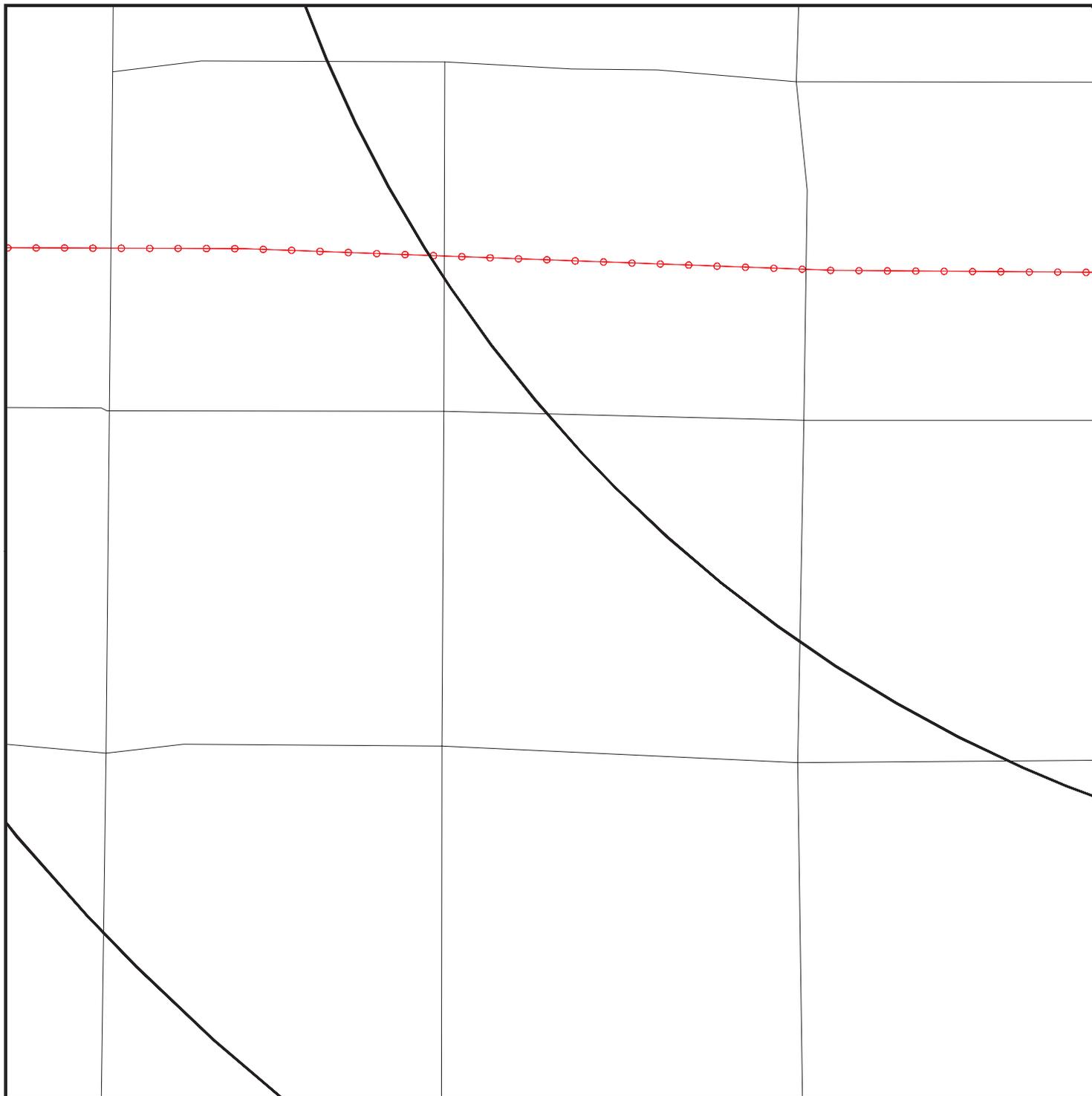
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern



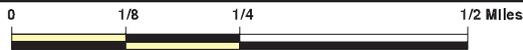
SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:28 pm

DETAIL MAP 17 OF 25 - 4550794.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚰 National Priority List Sites
- 🏠 Dept. Defense Sites



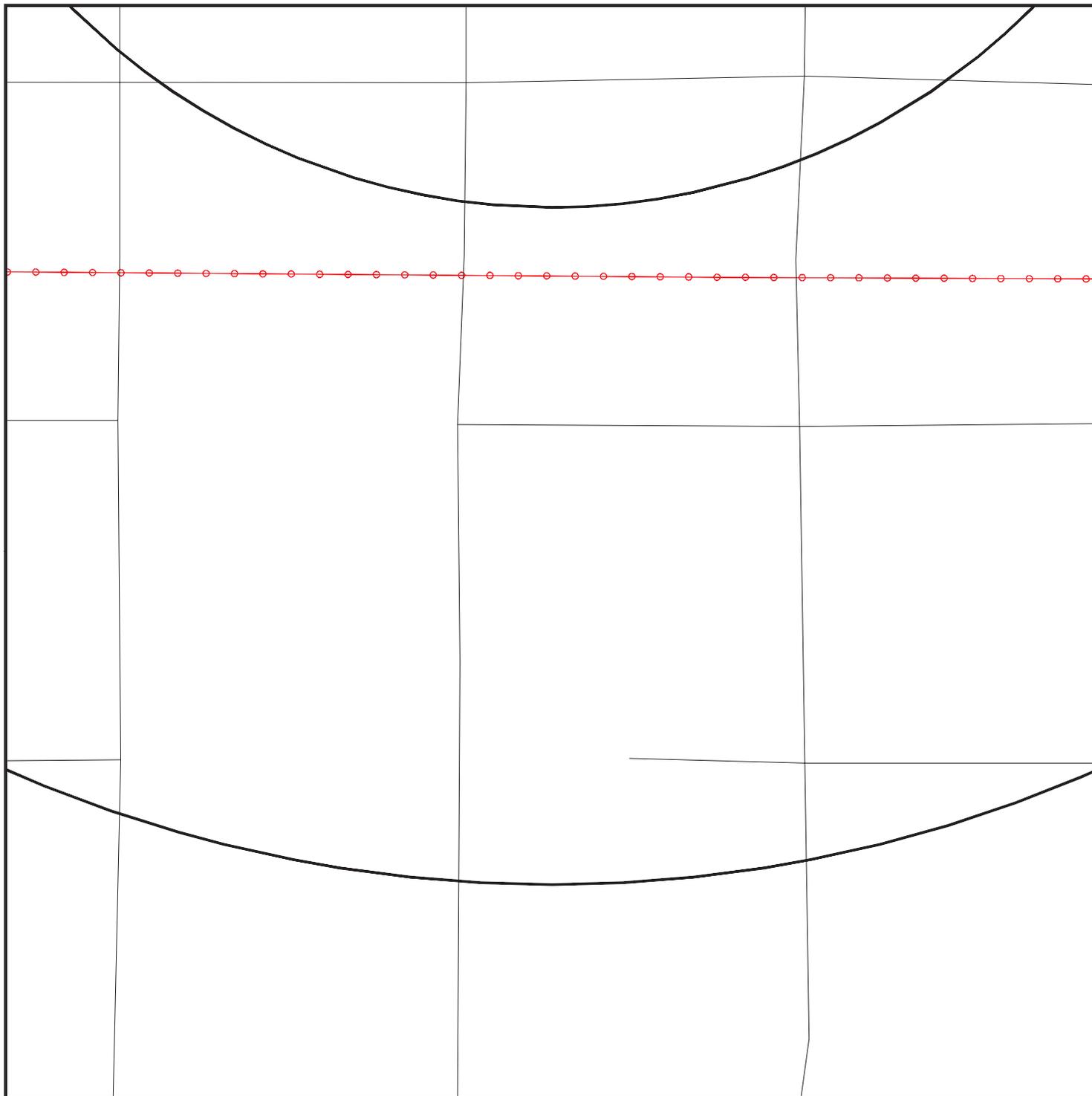
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:29 pm

DETAIL MAP 18 OF 25 - 4550794.2S



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



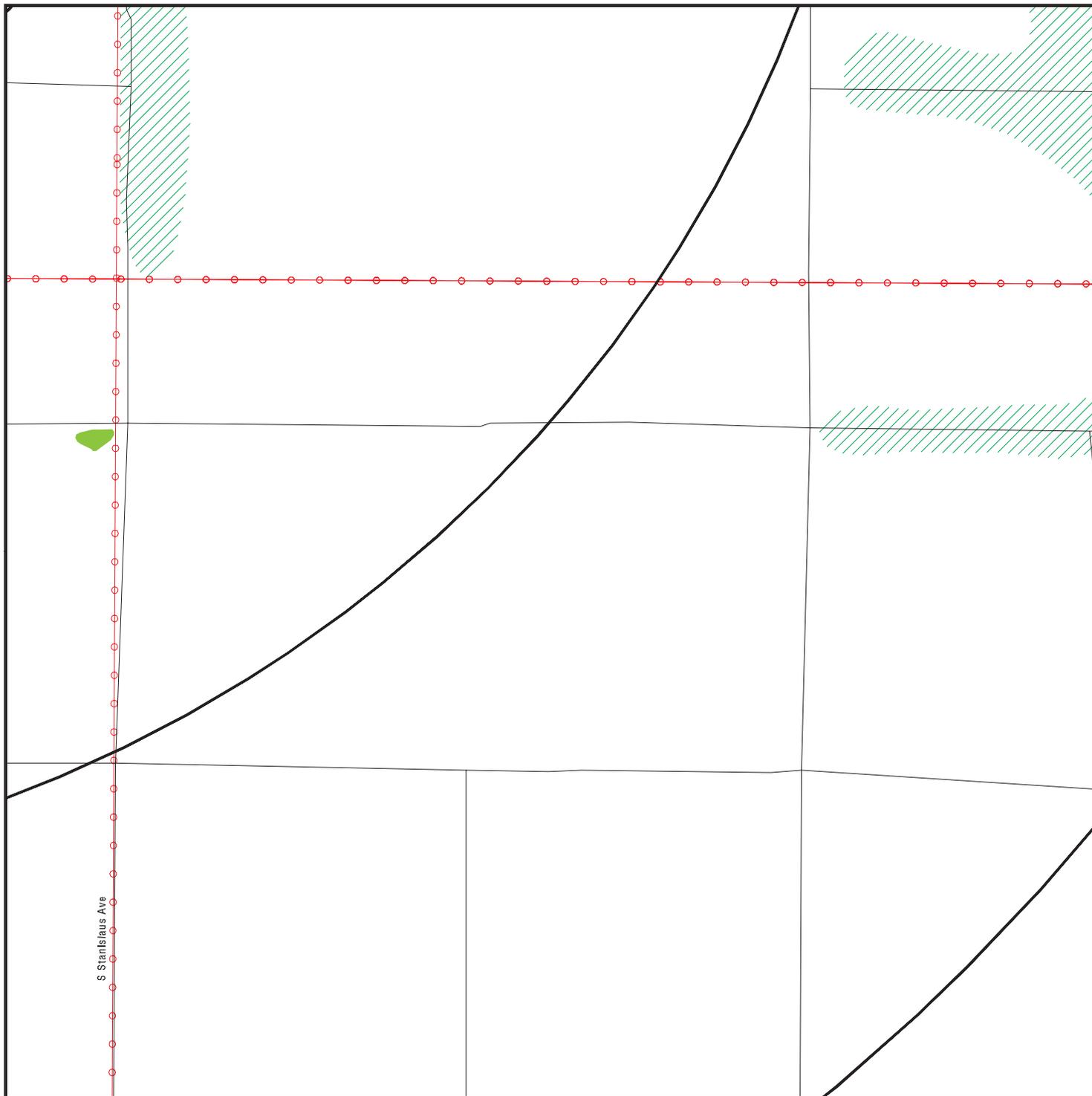
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Areas of Concern



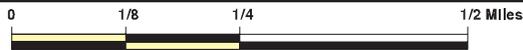
SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:31 pm

DETAIL MAP 19 OF 25 - 4550794.2S



S Stanislaus Ave



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚒 National Priority List Sites
- 🏢 Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

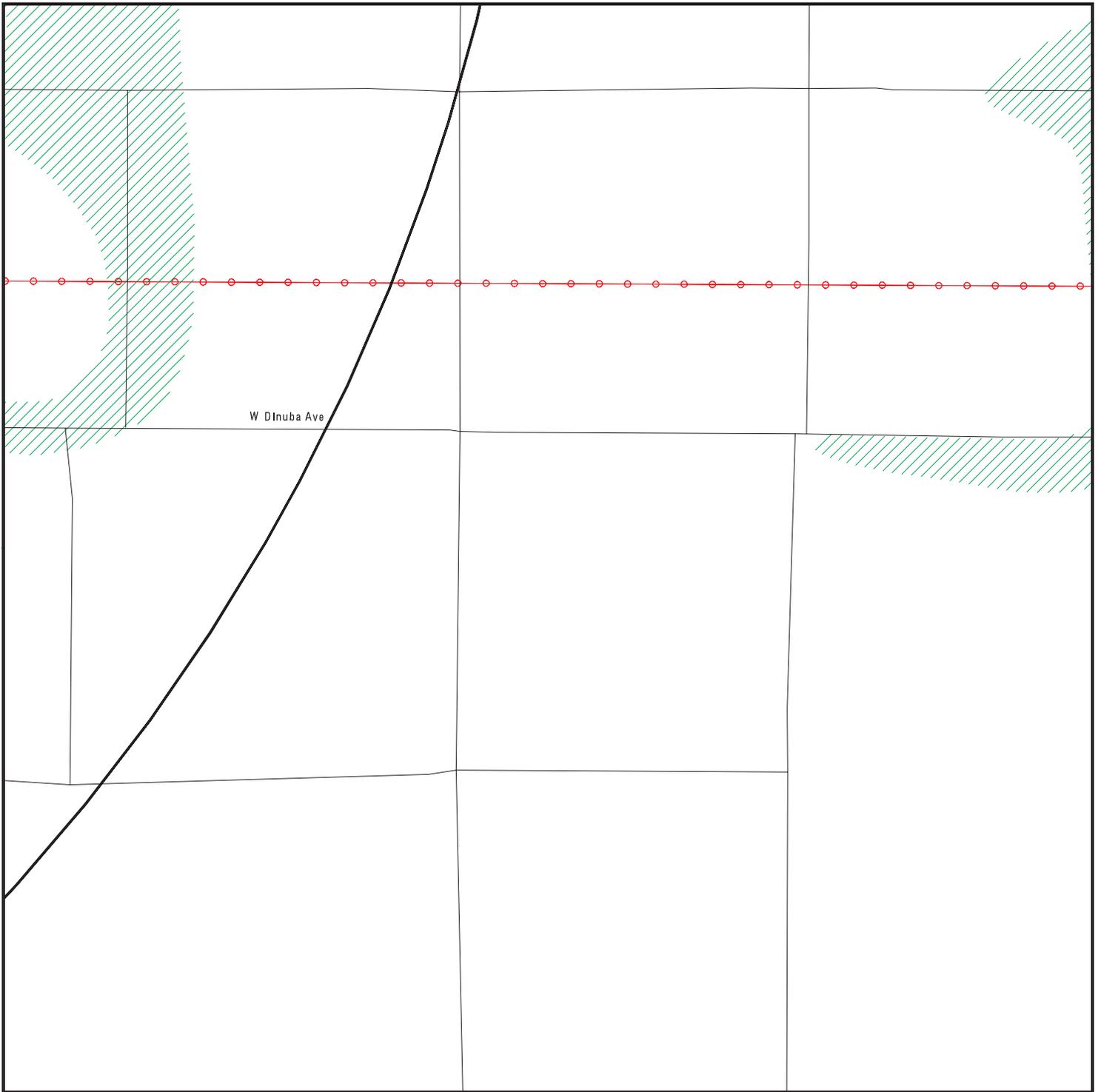
Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:33 pm

DETAIL MAP 20 OF 25 - 4550794.2S



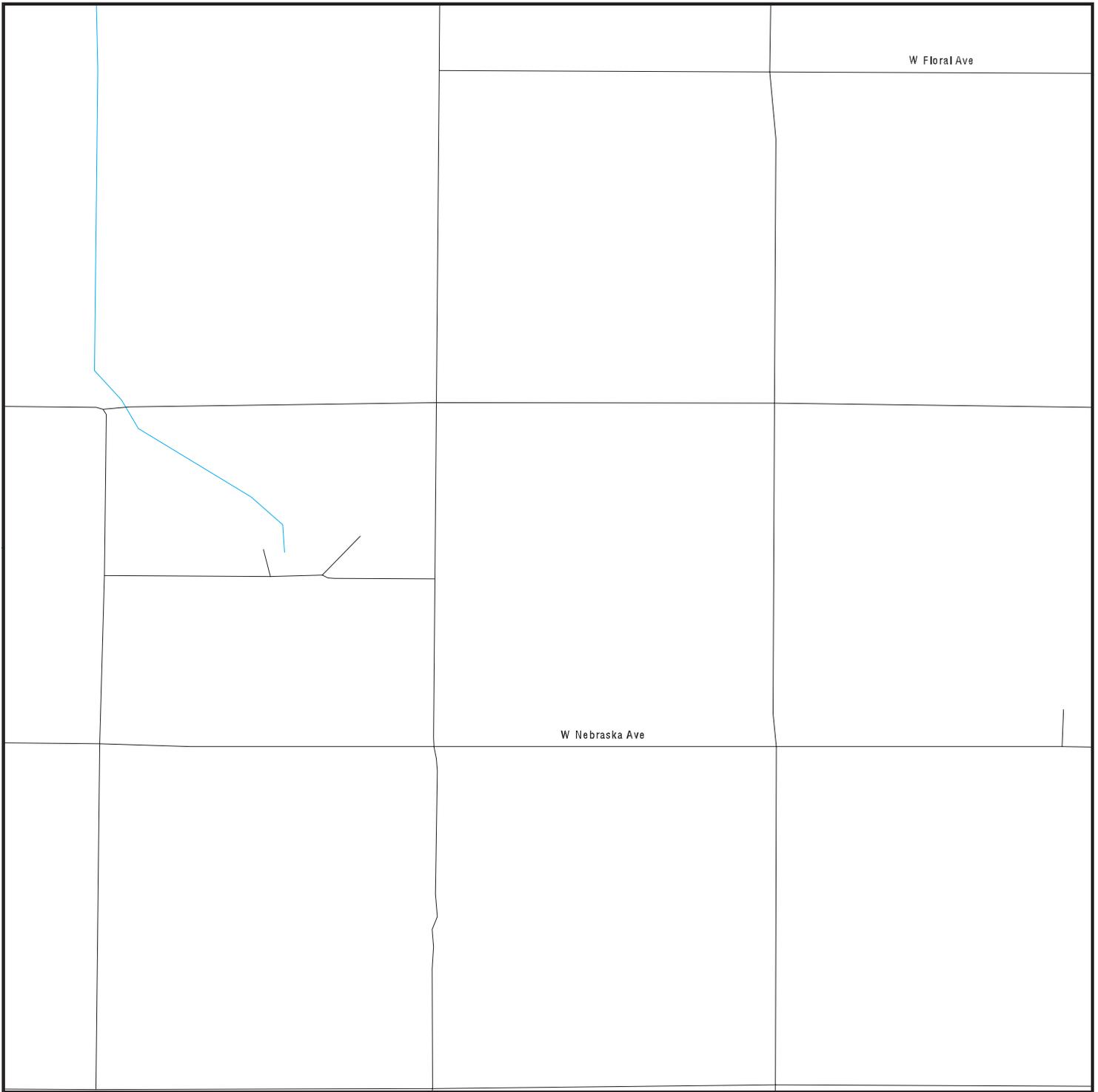
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Areas of Concern



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:36 pm

DETAIL MAP 21 OF 25 - 4550794.2S



- ★ 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



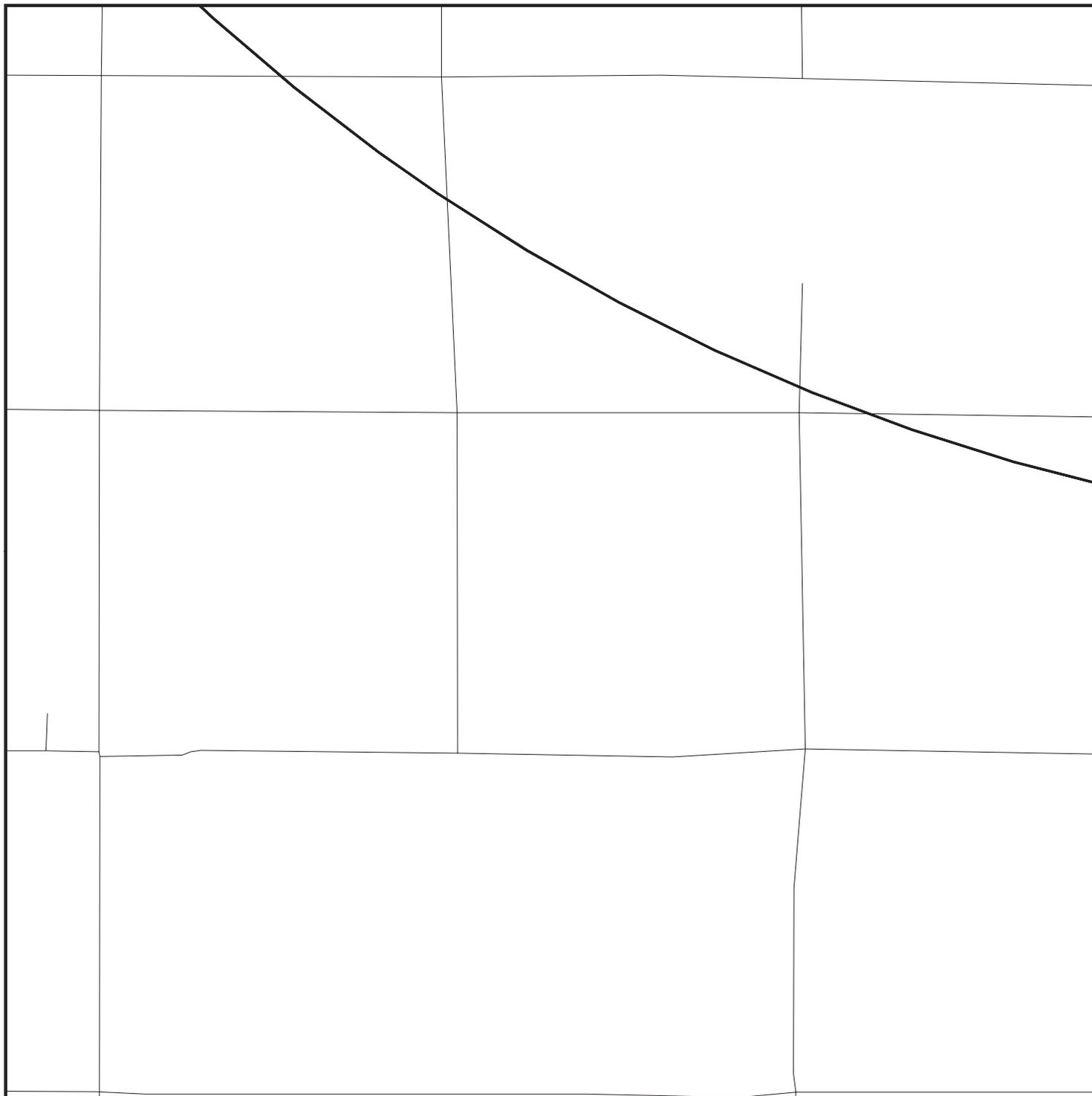
-  Indian Reservations BIA
-  Areas of Concern
-  100-year flood zone
-  500-year flood zone



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:37 pm

DETAIL MAP 22 OF 25 - 4550794.2S



- ★ 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



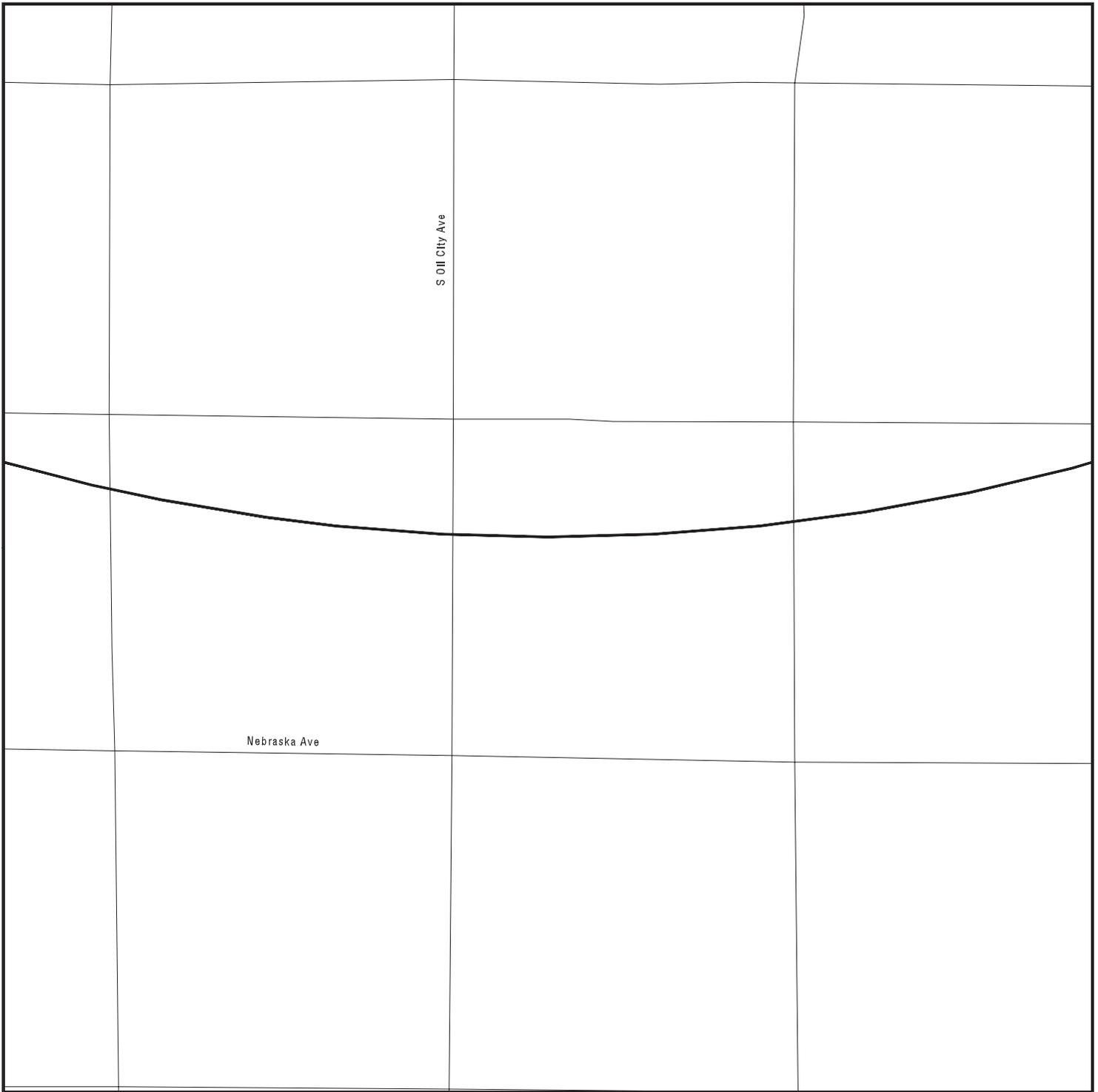
-  Indian Reservations BIA
-  Areas of Concern
-  100-year flood zone
-  500-year flood zone



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:39 pm

DETAIL MAP 23 OF 25 - 4550794.2S



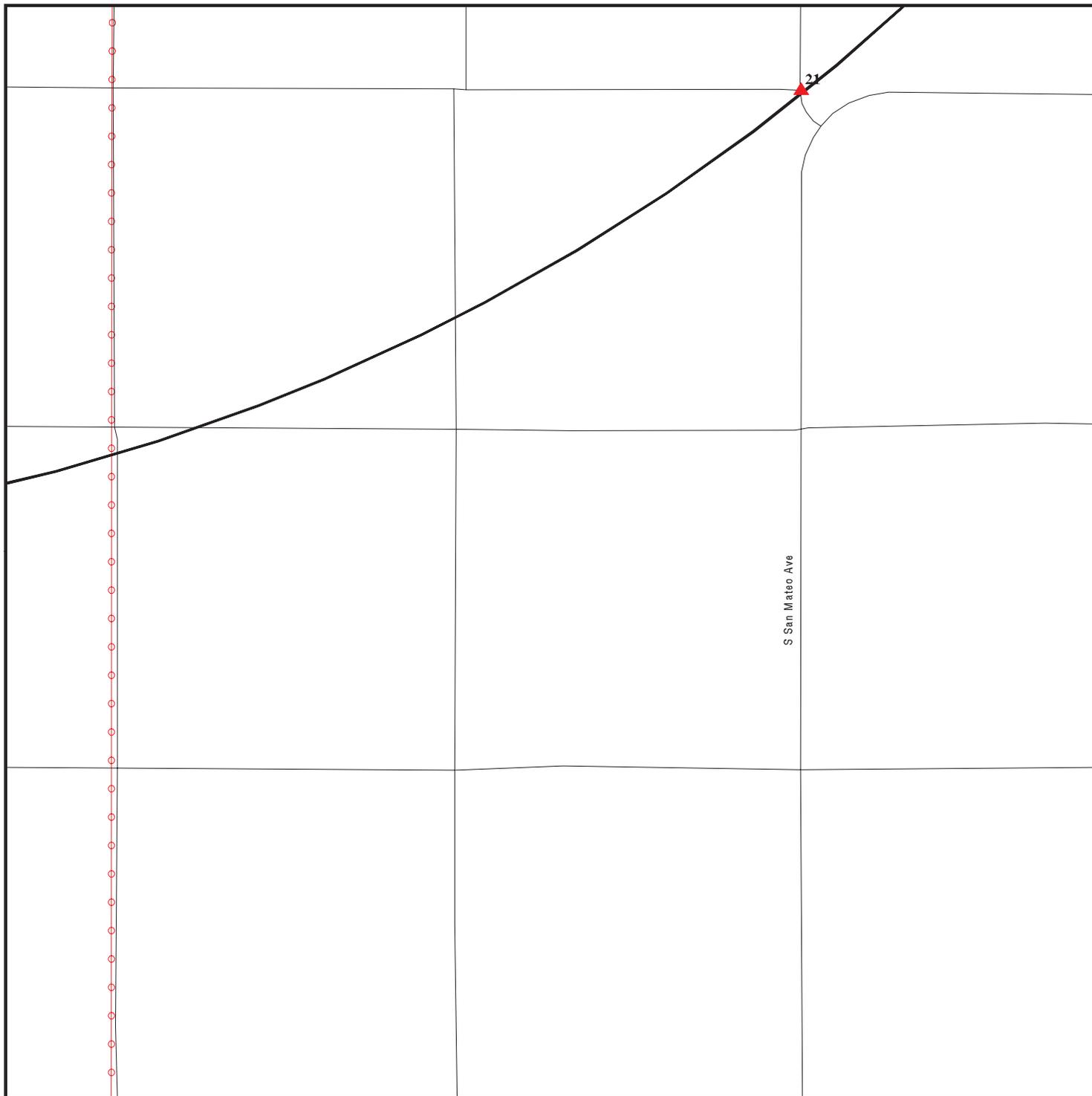
- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ★ Target Property ▲ Sites at elevations higher than or equal to the target property ◆ Sites at elevations lower than the target property ▲ Manufactured Gas Plants ⚡ Sensitive Receptors ☒ National Priority List Sites ☒ Dept. Defense Sites | | <ul style="list-style-type: none"> ☒ Indian Reservations BIA ▨ 100-year flood zone ▨ 500-year flood zone ☒ Areas of Concern |
|---|--|---|



SITE NAME: RE Scarlet LLC
 ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
 LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
 CONTACT: Michael Myers
 INQUIRY #: 4550794.2s
 DATE: February 29, 2016 5:41 pm

DETAIL MAP 24 OF 25 - 4550794.2S



- ★ 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



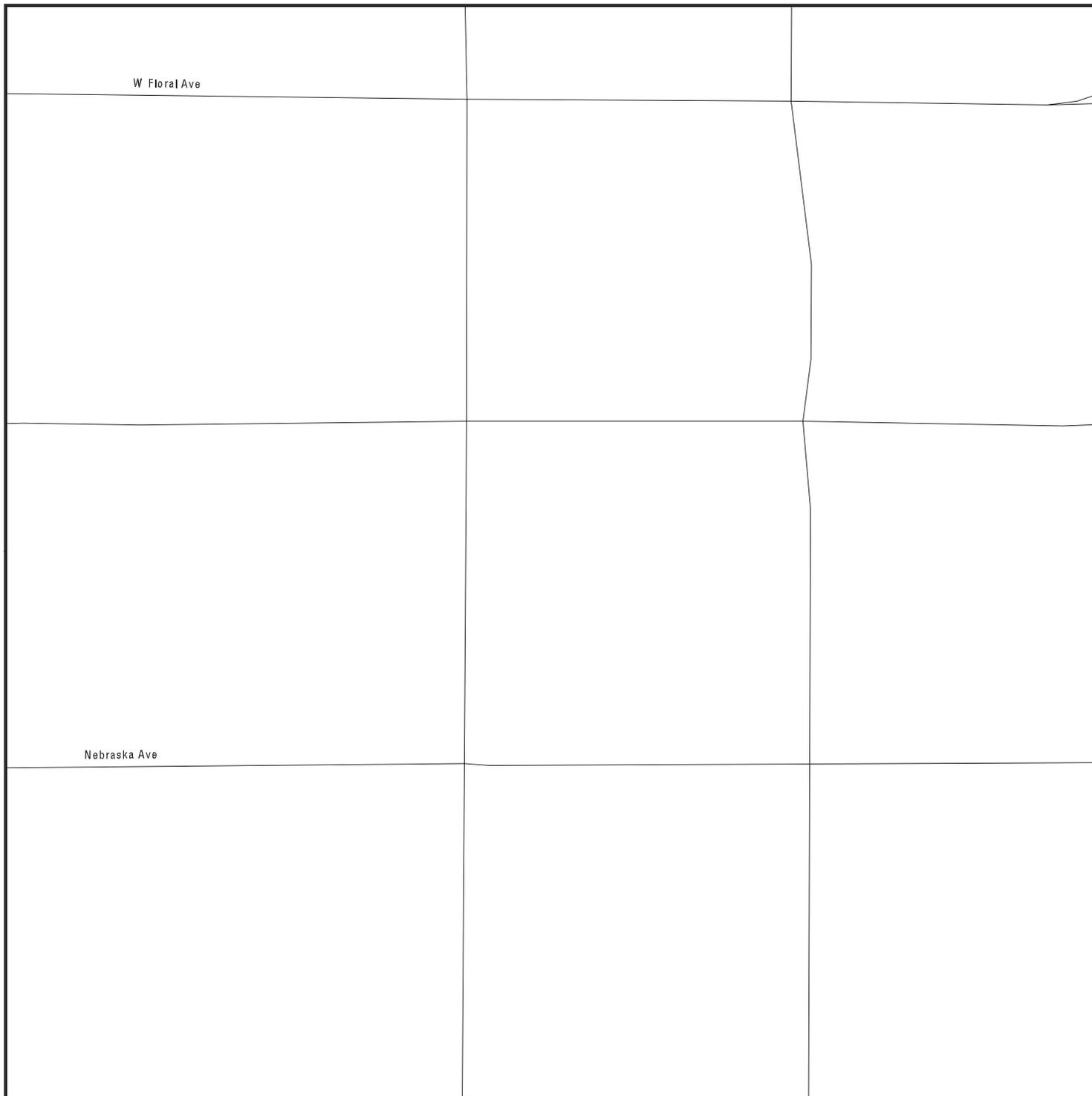
- Indian Reservations BIA
- Areas of Concern
- Power transmission lines
- 100-year flood zone
- 500-year flood zone



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:43 pm

DETAIL MAP 25 OF 25 - 4550794.2S



- ★ 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
-  Areas of Concern
-  100-year flood zone
-  500-year flood zone



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
 Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:45 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	3.750		0	0	0	0	0	0
Proposed NPL	3.750		0	0	0	0	0	0
NPL LIENS	2.750		0	0	0	0	0	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	3.750		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	3.250		0	0	0	0	0	0
CERCLIS	3.250		0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERCLIS-NFRAP	3.250		0	0	0	0	0	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	3.750		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	3.250		0	0	0	0	0	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	3.000		0	0	0	0	0	0
RCRA-SQG	3.000		0	0	0	0	1	1
RCRA-CESQG	3.000		0	0	0	0	0	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	3.250		0	0	0	0	0	0
US ENG CONTROLS	3.250		0	0	0	0	0	0
US INST CONTROL	3.250		0	0	0	0	0	0
<i>Federal ERNS list</i>								
ERNS	2.750		0	0	0	0	1	1
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	3.750		0	0	0	0	0	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	3.750		0	0	0	0	0	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	3.250		0	0	0	0	0	0
<i>State and tribal leaking storage tank lists</i>								
LUST	3.250		0	0	0	0	1	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	3.250		0	0	0	0	0	0
SLIC	3.250		0	0	0	0	1	1
<i>State and tribal registered storage tank lists</i>								
FEMA UST	3.000		0	0	0	0	0	0
UST	3.000		0	0	0	0	0	0
AST	3.000		0	0	0	0	0	0
INDIAN UST	3.000		0	0	0	0	0	0
<i>State and tribal voluntary cleanup sites</i>								
VCP	3.250		0	0	0	0	0	0
INDIAN VCP	3.250		0	0	0	0	0	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	3.250		0	0	0	0	0	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	3.250		0	0	0	0	0	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	3.250		0	0	0	0	0	0
SWRCY	3.250		0	0	0	0	0	0
HAULERS	2.750		0	0	0	0	0	0
INDIAN ODI	3.250		0	0	0	0	0	0
ODI	3.250		0	0	0	0	0	0
DEBRIS REGION 9	3.250		0	0	0	0	0	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	2.750		0	0	0	0	0	0
HIST Cal-Sites	3.750		0	0	0	0	0	0
SCH	3.000		0	0	0	0	0	0
CDL	2.750		0	0	0	0	0	0
Toxic Pits	3.750		0	0	0	0	0	0
US CDL	2.750		0	0	0	0	0	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	3.000		0	0	0	0	2	2
HIST UST	3.000		0	0	0	0	1	1
CA FID UST	3.000		0	0	0	0	1	1
<i>Local Land Records</i>								
LIENS	2.750		0	0	0	0	0	0
LIENS 2	2.750		0	0	0	0	0	0
DEED	3.250		0	0	0	0	0	0
<i>Records of Emergency Release Reports</i>								
HMIRS	2.750		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	2.750		0	0	0	0	1	1
LDS	2.750		0	0	0	0	0	0
MCS	2.750		0	0	0	0	0	0
SPILLS 90	2.750		0	0	0	0	0	0
Other Ascertainable Records								
RCRA NonGen / NLR	3.000		0	0	0	0	0	0
FUDS	3.750		0	0	0	0	0	0
DOD	3.750		0	0	0	0	0	0
SCRD DRYCLEANERS	3.250		0	0	0	0	0	0
US FIN ASSUR	2.750		0	0	0	0	0	0
EPA WATCH LIST	2.750		0	0	0	0	0	0
2020 COR ACTION	3.000		0	0	0	0	0	0
TSCA	2.750		0	0	0	0	0	0
TRIS	2.750		0	0	0	0	0	0
SSTS	2.750		0	0	0	0	0	0
ROD	3.750		0	0	0	0	0	0
RMP	2.750		0	0	0	0	0	0
RAATS	2.750		0	0	0	0	0	0
PRP	2.750		0	0	0	0	0	0
PADS	2.750		0	0	0	0	0	0
ICIS	2.750		0	0	0	0	0	0
FTTS	2.750		0	0	0	0	0	0
MLTS	2.750		0	0	0	0	0	0
COAL ASH DOE	2.750		0	0	0	0	0	0
COAL ASH EPA	3.250		0	0	0	0	0	0
PCB TRANSFORMER	2.750		0	0	0	0	0	0
RADINFO	2.750		0	0	0	0	0	0
HIST FTTS	2.750		0	0	0	0	0	0
DOT OPS	2.750		0	0	0	0	0	0
CONSENT	3.750		0	0	0	0	0	0
INDIAN RESERV	3.750		0	0	0	0	0	0
FUSRAP	3.750		0	0	0	0	0	0
UMTRA	3.250		0	0	0	0	0	0
LEAD SMELTERS	2.750		0	0	0	0	0	0
US AIRS	2.750		0	0	0	0	0	0
US MINES	3.000		0	0	0	0	0	0
FINDS	2.750		0	0	0	0	1	1
CA BOND EXP. PLAN	3.750		0	0	0	0	0	0
Cortese	3.250		0	0	0	0	0	0
CUPA Listings	3.000		0	0	0	0	3	3
DRYCLEANERS	3.000		0	0	0	0	0	0
EMI	2.750		0	0	0	0	5	5
ENF	2.750		0	0	0	0	0	0
Financial Assurance	2.750		0	0	0	0	0	0
HAZNET	2.750		0	0	0	0	5	5
HIST CORTESE	3.250		0	0	0	0	1	1
HWP	3.750		0	0	0	0	0	0
HWT	3.000		0	0	0	0	0	0
MINES	2.750		0	0	0	0	0	0
MWMP	3.000		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPDES	2.750		0	0	0	0	0	0
PEST LIC	2.750		0	0	0	0	0	0
PROC	3.250		0	0	0	0	0	0
Notify 65	3.750		0	0	0	0	0	0
UIC	2.750		0	0	0	0	0	0
WASTEWATER PITS	3.250		0	0	0	0	0	0
WDS	2.750		0	0	0	0	0	0
WIP	3.000		0	0	0	0	0	0
FUELS PROGRAM	3.000		0	0	0	0	0	0
ECHO	2.750		0	0	0	0	1	1
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	3.750		0	0	0	0	0	0
EDR Hist Auto	2.875		0	0	0	0	0	0
EDR Hist Cleaner	2.875		0	0	0	0	0	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	2.750		0	0	0	0	0	0
RGA LUST	2.750		0	0	0	0	1	1
- Totals --		0	0	0	0	0	26	26

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 **ANDERSON CLAYTON CORP**
North **31055 W ADAMS**
> 1 **TRANQUILITY, CA 93688**
1.712 mi.
9042 ft. **Site 1 of 6 in cluster A**

EMI **S106837736**
 N/A

Relative:
Lower

EMI:
Year: 1995
County Code: 10
Air Basin: SJV
Facility ID: 958
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 14
Part. Matter 10 Micrometers & Smlr Tons/Yr: 7

Actual:
177 ft.

Year: 1996
County Code: 10
Air Basin: SJV
Facility ID: 958
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 1996
County Code: 10
Air Basin: SJV
Facility ID: 968
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDERSON CLAYTON CORP (Continued)

S106837736

County Code: 10
Air Basin: SJV
Facility ID: 968
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 1997
County Code: 10
Air Basin: SJV
Facility ID: 958
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 1998
County Code: 10
Air Basin: SJV
Facility ID: 968
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
County Code: 10
Air Basin: SJV
Facility ID: 958
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDERSON CLAYTON CORP (Continued)

S106837736

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
County Code: 10
Air Basin: SJV
Facility ID: 968
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
County Code: 10
Air Basin: SJV
Facility ID: 958
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
County Code: 10
Air Basin: SJV
Facility ID: 968
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANDERSON CLAYTON CORP (Continued)

S106837736

SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 10
 Air Basin: SJV
 Facility ID: 958
 Air District Name: SJU
 SIC Code: 724
 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

A2
North
> 1
1.712 mi.
9042 ft.

PRODUCERS COTTON - MURIETTA #2
31055 W. ADAMS
TRANQUILITY, CA 93668
Site 2 of 6 in cluster A

EMI S106837737
N/A

Relative:
Lower

EMI:
 Year: 1990
 County Code: 10
 Air Basin: SJV
 Facility ID: 336
 Air District Name: SJU
 SIC Code: 724
 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 13
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 7

Actual:
177 ft.

A3
North
> 1
1.712 mi.
9042 ft.

ANDERSON CLAYTON CORPORATION
31055 WEST ADAMS AVENUE
TRANQUILLITY, CA 93668
Site 3 of 6 in cluster A

FINDS 1005774751
ECHO N/A

Relative:
Lower

FINDS:
 Registry ID: 110001157480

Actual:
177 ft.

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDERSON CLAYTON CORPORATION (Continued)

1005774751

ECHO:

Envid:	1005774751
Registry ID:	110001157480
FIPS Code:	06019
EPA Region:	09
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	N
Chesapeake Bay Flag:	Not reported
NAA Flag:	Y
Latitude:	36.63226
Longitude:	-120.34667
Map Icon:	NONE-UNK-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	18030012
Derived WBD:	180300090908
Derived STCT FPS:	06019
Derived Zip:	93668
Derived CD113:	21
Derived CB2010:	060190082001143
Percent Minority:	56.667
Pop Den:	1.06
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICs:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDERSON CLAYTON CORPORATION (Continued)

1005774751

CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penalty Date:	Not reported
CAA Last Penalty Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penalty Date:	Not reported
CWA Last Penalty Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penalty Date:	Not reported
RCRA Last Penalty Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDERSON CLAYTON CORPORATION (Continued)

1005774751

FEC Total Penalties: Not reported
GHG IDS: Not reported
GHG CO2 Release: Not reported
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110001157480
Facility SIC Codes: Not reported
Facility NAICS Codes: Not reported
Facility Date Last Inspection EPA: Not reported
Facility Date Last Inspection State: Not reported
Facility Date Last Formal ACT EPA: Not reported
Facility Date Last Formal ACT ST: Not reported
Facility Date Last Informal ACT EPA: Not reported
Facility Date Last Informal ACT ST: Not reported
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

A4
North
> 1
1.712 mi.
9042 ft.

ANDERSON CLAYTON CORP/MURIETTA
31055 W ADAMS
TRANQUILLITY, CA 93668
Site 4 of 6 in cluster A

HAZNET S113087281
N/A

Relative:
Lower

HAZNET:
envid: S113087281
Year: 2004
GEPID: CAL000163039
Contact: STEVE WHITE/CORP ENG
Telephone: 2094466420
Mailing Name: Not reported
Mailing Address: PO BOX 12506
Mailing City,St,Zip: FRESNO, CA 937782506
Gen County: Not reported
TSD EPA ID: CAL000190080
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 1.68
Cat Decode: Asbestos containing waste
Method Decode: Disposal, Land Fill
Facility County: Fresno

Actual:
177 ft.

envid: S113087281
Year: 1998
GEPID: CAL000163039
Contact: ANDERSON CLAYTON CORP
Telephone: 2094466420
Mailing Name: Not reported
Mailing Address: PO BOX 12506
Mailing City,St,Zip: FRESNO, CA 937782506
Gen County: Not reported
TSD EPA ID: CAD980887418
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 1.2510
Cat Decode: Waste oil and mixed oil
Method Decode: Recycler
Facility County: Fresno

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANDERSON CLAYTON CORP/MURIETTA (Continued)

S113087281

envid: S113087281
Year: 1997
GEPaid: CAL000163039
Contact: ANDERSON CLAYTON CORP
Telephone: 2094466420
Mailing Name: Not reported
Mailing Address: PO BOX 12506
Mailing City,St,Zip: FRESNO, CA 937782506
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 7.5060
Cat Decode: Waste oil and mixed oil
Method Decode: Transfer Station
Facility County: Fresno

A5
North
> 1
1.712 mi.
9042 ft.

PRODUCERS COTTON OIL COMPANY M
31055 W ADAMS
TRANQUILLITY, CA 93668

SWEEPS UST S103651744
CUPA Listings N/A

Site 5 of 6 in cluster A

Relative:
Lower

SWEEPS UST:

Status: Active
Comp Number: 10879
Number: 9
Board Of Equalization: Not reported
Referral Date: 02-09-93
Action Date: 02-09-93
Created Date: 02-29-88
Owner Tank Id: #1 GASOLIN
SWRCB Tank Id: 10-000-010879-000001
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

Actual:
177 ft.

CUPA FRESNO:

Facility ID: FA0271044
Cross Street: Not reported
APM Number: Not reported
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: Not reported
GIS Longitude: Not reported
Program Element: HAZ MAT DISCLOSURE/CLOSED SITE

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Elevation	Site	Database(s)	EPA ID Number

A6 North > 1 1.713 mi. 9047 ft.	PRODUCERS COTTON OIL COMPANY 31055 WEST ADAMS FRESNO, CA 93725 Site 6 of 6 in cluster A	EMI	S106837738 N/A
--	---	-----	-------------------

Relative: Lower	EMI: Year: 1995 County Code: 10 Air Basin: SJV Facility ID: 968 Air District Name: SJU SIC Code: 724 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 0 Reactive Organic Gases Tons/Yr: 0 Carbon Monoxide Emissions Tons/Yr: 0 NOX - Oxides of Nitrogen Tons/Yr: 0 SOX - Oxides of Sulphur Tons/Yr: 0 Particulate Matter Tons/Yr: 16 Part. Matter 10 Micrometers & Smllr Tons/Yr: 8
Actual: 177 ft.	

7 NNE > 1 1.757 mi. 9279 ft.	PG&E WESTLANDS SUBSTATION W ADAMS AVE TRANQUILLITY, CA 93668	CUPA Listings	S110653457 N/A
---	---	---------------	-------------------

Relative: Lower	CUPA FRESNO: Facility ID: FA0275781 Cross Street: MERCED APM Number: 028-030-26ST CERS Id: 10128727 SWIS Number: Not reported GIS Latitude: 36.63242 GIS Longitude: -120.34229 Program Element: AUTO REPAIR/MAINTENANCE MODEL PLAN
Actual: 172 ft.	

8 NNE > 1 1.863 mi. 9839 ft.	INTERAGENCY TREATMENT CTR ADAMS AVE AND THE SAN LUIS MENDOTA, CA 93640	RCRA-SQG	1000597723 CAD983617499
---	---	----------	----------------------------

Relative: Lower	RCRA-SQG: Date form received by agency: 09/01/1996 Facility name: INTERAGENCY TREATMENT CTR Facility address: ADAMS AVE AND THE SAN LUIS DRAIN INTERSECTION MENDOTA, CA 93640 EPA ID: CAD983617499 Mailing address: BLUE RAVINE RD STE 156 FOLSOM, CA 95630 Contact: Not reported Contact address: Not reported Not reported
Actual: 171 ft.	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERAGENCY TREATMENT CTR (Continued)

1000597723

Contact country: US
Contact telephone: Not reported
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

Owner/Operator Summary:

Owner/operator name: QUANC IND INC BILL COTTON PRES
Owner/operator address: 110 BLUE RAVINE RD
FOLSOM, CA 95630
Owner/operator country: Not reported
Owner/operator telephone: (916) 985-0781
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): No
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

Violation Status: No violations found

B9
NE
> 1
2.147 mi.
11335 ft.

DWR/DEPT WATER RESOURCES
29177 W ADAMS
TRANQUILITY, CA 93668
Site 1 of 3 in cluster B

HAZNET S112887449
N/A

Relative:
Lower

HAZNET:
envid: S112887449
Year: 1998
Actual: GEPAID: CAC001391808
170 ft. Contact: DEPT WATER RESOURCES
Telephone: 2094455509
Mailing Name: Not reported
Mailing Address: 29177 W ADAMS
Mailing City,St,Zip: TRANQUILITY, CA 936680000
Gen County: Not reported
TSD EPA ID: CAT000646117

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DWR/DEPT WATER RESOURCES (Continued)

S112887449

TSD County: Not reported
 Waste Category: Unspecified sludge waste
 Disposal Method: Treatment, Tank
 Tons: 10.4250
 Cat Decode: Unspecified sludge waste
 Method Decode: Treatment, Tank
 Facility County: Fresno

B10
NE
> 1
2.147 mi.
11335 ft.

29177 S ADAMS AVE
TRANQUILLITY, CA

CHMIRS S109038140
N/A

Site 2 of 3 in cluster B

Relative:
Lower

CHMIRS:

Actual:
170 ft.

OES Incident Number:	7-0640
OES notification:	01/29/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	no
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	PG&E
Incident Date:	1/29/2007 12:00:00 AM
Admin Agency:	Fresno County Health Department

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S109038140

Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Transformer oil-no PCB's
Gallons:	235
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Transformer lid blew off. Surface ground was dirt. Not reported

B11
 NE
 > 1
 2.147 mi.
 11335 ft.

29177 SOUTH ADAMS AVE
 TRANQUILITY, CA
 Site 3 of 3 in cluster B

ERNS 2007302684
 N/A

Relative:
 Lower

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
 170 ft.
 12
 West
 > 1
 2.181 mi.
 11514 ft.

FIRST SOLAR ELECTRIC CALIFORNIA INC
 8008 S DERRICK HWY
 MENDOTA, CA 93640

HAZNET S118236920
 N/A

Relative:
 Higher

HAZNET:
 envid: S118236920
 Year: 2014
 GEPAID: CAL000401606
 Contact: SUSAN JENNINGS
 Telephone: 5593629444
 Mailing Name: Not reported
 Mailing Address: 350 W WASHINGTON ST STE 600
 Mailing City,St,Zip: TEMPE, AZ 852811496
 Gen County: Fresno
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 2.185
 Cat Decode: Other organic solids

Actual:
 200 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FIRST SOLAR ELECTRIC CALIFORNIA INC (Continued)

S118236920

Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Facility County: Fresno

envid: S118236920
 Year: 2014
 GEPAID: CAL000401606
 Contact: SUSAN JENNINGS
 Telephone: 5593629444
 Mailing Name: Not reported
 Mailing Address: 350 W WASHINGTON ST STE 600
 Mailing City,St,Zip: TEMPE, AZ 852811496

Gen County: Fresno
 TSD EPA ID: CAD044429835
 TSD County: Los Angeles
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.02
 Cat Decode: Unspecified organic liquid mixture
 Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Facility County: Fresno

envid: S118236920
 Year: 2014
 GEPAID: CAL000401606
 Contact: SUSAN JENNINGS
 Telephone: 5593629444
 Mailing Name: Not reported
 Mailing Address: 350 W WASHINGTON ST STE 600
 Mailing City,St,Zip: TEMPE, AZ 852811496

Gen County: Fresno
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Other inorganic solid waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.01
 Cat Decode: Other inorganic solid waste
 Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Facility County: Fresno

13
 NW
 > 1
 2.353 mi.
 12423 ft.

WESTLANDS WATER DISTRICT
32560 ADAMS W
TRANQUILITY, CA

RGA LUST S114721564
N/A

Relative:
Higher

RGA LUST:

2012	WESTLANDS WATER DISTRICT	32560 ADAMS W
2011	WESTLANDS WATER DISTRICT	32560 ADAMS W
2010	WESTLANDS WATER DISTRICT	32560 ADAMS W
2009	WESTLANDS WATER DISTRICT	32560 ADAMS W
2008	WESTLANDS WATER DISTRICT	32560 ADAMS W
2007	WESTLANDS WATER DISTRICT	32560 ADAMS W
2006	WESTLANDS WATER DISTRICT	32560 ADAMS W
2005	WESTLANDS WATER DISTRICT	32560 ADAMS W
2003	WESTLANDS WATER DISTRICT	32560 ADAMS W
2002	WESTLANDS WATER DISTRICT	32560 ADAMS W

Actual:
191 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WESTLANDS WATER DISTRICT (Continued)

S114721564

2001	WESTLANDS WATER DISTRICT	32560 ADAMS W
2000	WESTLANDS WATER DISTRICT	32560 ADAMS W
1998	WESTLANDS WATER DISTRICT	32560 ADAMS W
1997	WESTLANDS WATER DISTRICT	32560 ADAMS W
1996	WESTLANDS WATER DISTRICT	32560 ADAMS W
1995	WESTLANDS WATER DISTRICT	32560 ADAMS W

C14 **TRANQUILLITY_FIELD OFFICE**
NW **32650 W ADAMS AVE**
> 1 **TRANQUILLITY, CA 00000**

HAZNET **S112861990**
N/A

2.438 mi.
12871 ft.

Site 1 of 7 in cluster C

Relative:
Higher

HAZNET:
 envid: S112861990
 Year: 1995
Actual: GEPAID: CAC001035520
192 ft. Contact: BUREAU OF RECLAMATION
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 2666 N GROVE INDUSTRIAL DRIVE,
 Mailing City,St,Zip: FRESNO, CA 937270000
 Gen County: Not reported
 TSD EPA ID: CAT080013352
 TSD County: Not reported
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: .1876
 Cat Decode: Waste oil and mixed oil
 Method Decode: Recycler
 Facility County: Fresno

C15 **WESTLANDS WATER DISTRICT/TFO**
NW **32650 W ADAMS AVE**
> 1 **TRANQUILITY, CA 93668**

LUST **S101581636**
SWEEPS UST **N/A**
CA FID UST
HIST CORTESE

2.438 mi.
12871 ft.

Site 2 of 7 in cluster C

Relative:
Higher

LUST:
 Region: STATE
 Global Id: T0601900556
 Latitude: 36.6327184
 Longitude: -120.3882183
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 05/20/1998
 Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
 Case Worker: JWH
 Local Agency: FRESNO COUNTY
 RB Case Number: 5T10000573
 LOC Case Number: FA0169581
 File Location: Not reported
 Potential Media Affect: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Actual:
192 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTLANDS WATER DISTRICT/TFO (Continued)

S101581636

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0601900556
Contact Type: Regional Board Caseworker
Contact Name: JEFFREY HANNEL
Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)
Address: 1685 E STREET
City: FRESNO
Email: jhannel@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0601900556
Contact Type: Local Agency Caseworker
Contact Name: STEVEN T RHODES
Organization Name: FRESNO COUNTY
Address: 1221 FULTON MALL, THIRD FLOOR
City: FRESNO
Email: srhodes@co.fresno.ca.us
Phone Number: Not reported

Status History:

Global Id: T0601900556
Status: Completed - Case Closed
Status Date: 05/20/1998

Global Id: T0601900556
Status: Open - Case Begin Date
Status Date: 06/06/1995

Global Id: T0601900556
Status: Open - Site Assessment
Status Date: 07/24/1995

Regulatory Activities:

Global Id: T0601900556
Action Type: Other
Date: 07/14/1995
Action: Leak Discovery

Global Id: T0601900556
Action Type: Other
Date: 07/24/1995
Action: Leak Reported

Global Id: T0601900556
Action Type: Other
Date: 06/06/1995
Action: Leak Stopped

LUST REG 5:

Region: 5
Status: Case Closed
Case Number: 5T10000573

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTLANDS WATER DISTRICT/TFO (Continued)

S101581636

Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: JWH
Lead Agency: Regional
Program: LUST
MTBE Code: 1

SWEEPS UST:

Status: Active
Comp Number: 59359
Number: 6
Board Of Equalization: 44-003246
Referral Date: 12-16-93
Action Date: 04-04-94
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 10-000-059359-000001
Tank Status: A
Capacity: 2764
Active Date: 12-16-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

CA FID UST:

Facility ID: 10003382
Regulated By: UTNKA
Regulated ID: 00059359
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2096987231
Mail To: Not reported
Mailing Address: PO BOX 6056
Mailing Address 2: Not reported
Mailing City,St,Zip: TRANQUILITY 93668
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

Region: CORTESE
Facility County Code: 10
Reg By: LTNKA
Reg Id: 5T10000573

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C16 WESTLANDS WATER DISTRICT
NW 32650 W ADAMS
> 1 TRANQUILLITY, CA 93668
2.438 mi.
12871 ft. Site 3 of 7 in cluster C

CUPA Listings S106176828
N/A

Relative:
Higher

CUPA FRESNO:
Facility ID: FA0169581
Cross Street: Not reported
APM Number: 028-030-33ST
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: Not reported
GIS Longitude: Not reported
Program Element: UST REMOVAL/CLOSURE W/1 TANK

Actual:
192 ft.

Facility ID: FA0169581
Cross Street: Not reported
APM Number: 028-030-33ST
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: Not reported
GIS Longitude: Not reported
Program Element: FORMER CONTAMINATED SITE/NO FURTHER ACTION

Facility ID: FA0169581
Cross Street: Not reported
APM Number: 028-030-33ST
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: Not reported
GIS Longitude: Not reported
Program Element: HAZ MAT DISCLOSURE-BELOW REPORTING QUANTITY

Facility ID: FA0169581
Cross Street: Not reported
APM Number: 028-030-33ST
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: Not reported
GIS Longitude: Not reported
Program Element: HAZARDOUS WASTE GENERATOR (SQG)

C17 WESTLANDS WATER DISTRICT
NW 32650 W ADAMS AVE
> 1 TRANQUILLITY, CA 00000
2.438 mi.
12871 ft. Site 4 of 7 in cluster C

HAZNET S113038668
N/A

Relative:
Higher

HAZNET:
envid: S113038668
Year: 2014
GEPaid: CAL000042588
Contact: KELLY VANDERGON
Telephone: 5598842523
Mailing Name: Not reported
Mailing Address: PO BOX 6056
Mailing City,St,Zip: FRESNO, CA 937030000
Gen County: Fresno
TSD EPA ID: CAL000190080

Actual:
192 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTLANDS WATER DISTRICT (Continued)

S113038668

TSD County: San Joaquin
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Cat Decode: Asbestos containing waste
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization
Facility County: Fresno

envid: S113038668
Year: 2001
GEPaid: CAL000042588
Contact: TIM VAUGHAN
Telephone: 5598840201
Mailing Name: Not reported
Mailing Address: PO BOX 6056
Mailing City,St,Zip: FRESNO, CA 937030000
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 0.06
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Treatment, Tank
Facility County: Fresno

envid: S113038668
Year: 2000
GEPaid: CAL000042588
Contact: TIM VAUGHAN
Telephone: 5598840201
Mailing Name: Not reported
Mailing Address: PO BOX 6056
Mailing City,St,Zip: FRESNO, CA 937030000
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 0.1
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Treatment, Tank
Facility County: Fresno

envid: S113038668
Year: 1998
GEPaid: CAL000042588
Contact: WESTLANDS WATER DISTR
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 6056
Mailing City,St,Zip: FRESNO, CA 937030000
Gen County: Not reported
TSD EPA ID: UTD981552177
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WESTLANDS WATER DISTRICT (Continued)

S113038668

Disposal Method: Not reported
 Tons: 2.7445
 Cat Decode: Polychlorinated biphenyls and material containing PCBs
 Method Decode: Not reported
 Facility County: Fresno

envid: S113038668
 Year: 1997
 GEPAID: CAL000042588
 Contact: WESTLANDS WATER DISTR
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: PO BOX 6056
 Mailing City,St,Zip: FRESNO, CA 937030000
 Gen County: Not reported
 TSD EPA ID: UTD981552177
 TSD County: Not reported
 Waste Category: Polychlorinated biphenyls and material containing PCBs
 Disposal Method: Not reported
 Tons: 3.0856
 Cat Decode: Polychlorinated biphenyls and material containing PCBs
 Method Decode: Not reported
 Facility County: Fresno

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

**C18
 NW
 > 1
 2.438 mi.
 12871 ft.**

**TRANQUILLITY FIELD OFFICE
 32650 W ADAMS AVENUE
 TRANQUILLITY, CA 93668**

Site 5 of 7 in cluster C

**HIST UST U001591193
 N/A**

**Relative:
 Higher**

HIST UST:
 File Number: 0002562A
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002562A.pdf>
 Region: STATE
 Facility ID: 00000059359
 Facility Type: Other
 Other Type: CONSTRUCTION OFFICE
 Contact Name: LAVERN KWIATKOWSKI
 Telephone: 2096987231
 Owner Name: U.S. DEPARTMENT OF THE INTERIO
 Owner Address: 1130 "O" STREET
 Owner City,St,Zip: FRESNO, CA 93721
 Total Tanks: 0001

**Actual:
 192 ft.**

Tank Num: 001
 Container Num: 1
 Year Installed: 1966
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Visual

Tank Num: 001
 Container Num: 1

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TRANQUILLITY FIELD OFFICE (Continued)

U001591193

Year Installed: 1966
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Visual

Tank Num: 001
 Container Num: 1
 Year Installed: 1966
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Visual

Tank Num: 001
 Container Num: 1
 Year Installed: 1966
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

**C19
 NW
 > 1
 2.441 mi.
 12886 ft.**

**CLARK BROS-DERRICK GIN
 32588 W. ADAMS
 MENDOTA, CA 93640
 Site 6 of 7 in cluster C**

**EMI S106828782
 N/A**

**Relative:
 Higher**

EMI:
 Year: 1990
 County Code: 10
 Air Basin: SJV
 Facility ID: 309
 Air District Name: SJU
 SIC Code: 724
 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 12
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 6

**Actual:
 192 ft.**

Year: 1993
 County Code: 10
 Air Basin: SJV
 Facility ID: 335
 Air District Name: SJU
 SIC Code: 724
 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLARK BROS-DERRICK GIN (Continued)

S106828782

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers & Smlr Tons/Yr: 3

Year: 1995
County Code: 10
Air Basin: SJV
Facility ID: 335
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers & Smlr Tons/Yr: 3

C20
NW
> 1
2.441 mi.
12886 ft.

CLARK BROTHERS-DERRICK GIN
32588 W ADAMS
MENDOTA, CA 93640
Site 7 of 7 in cluster C

EMI S106828783
N/A

Relative:
Higher

EMI:
Year: 1996
County Code: 10
Air Basin: SJV
Facility ID: 335
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers & Smlr Tons/Yr: 3

Actual:
192 ft.

Year: 1997
County Code: 10
Air Basin: SJV
Facility ID: 335
Air District Name: SJU
SIC Code: 724
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CLARK BROTHERS-DERRICK GIN (Continued)

S106828783

Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 7
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 3

Year: 1998
 County Code: 10
 Air Basin: SJV
 Facility ID: 335
 Air District Name: SJU
 SIC Code: 724
 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 4
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 2

Year: 1999
 County Code: 10
 Air Basin: SJV
 Facility ID: 335
 Air District Name: SJU
 SIC Code: 724
 Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 7
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

21
 SE
 > 1
 2.993 mi.
 15805 ft.

**GRAY PROPERTY
 FLORAL & SAN MATEO AVE.
 TRANQUILITY, CA 93668**

**SLIC S106486107
 N/A**

**Relative:
 Higher**

SLIC:
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 01/01/1965
 Global Id: SLT5FR781033
 Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
 Lead Agency Case Number: Not reported
 Latitude: 36.5744

**Actual:
 206 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAY PROPERTY (Continued)

S106486107

Longitude: -120.3167
Case Type: Cleanup Program Site
Case Worker: AM
Local Agency: Not reported
RB Case Number: SLT5FR078
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CANTINA CREEK	1003877974	VDL FARMS	1/4MI E I-5 @ ADAMS/ MANNING 3	93608	CERCLIS-NFRAP
CANTUA CREEK	S118415040	SAN ANDREAS FALMO	ROUTE 1 BOX 200 18125 CERENI A	93608	HIST UST
CANTUA CREEK	S109604041	PACIFIC GINNING CO. LLC	HIGHWAY 33 AND NEBRASKA	93608	EMI
CANTUA CREEK	S117640183	RANCH MANAGEMENT LLC	PO BOX 250	93608	PEST LIC
CANTUA CREEK	S112927256	P G & E/CANTUA SUBSTATION	CORNER OF STANISLAUS & MT WHIT	93608	HAZNET
CANTUA CREEK	1016784374	NUNES COOLING, INC.	20850 SO DERRICK AVE	93608	FINDS, ECHO
CANTUA CREEK	1004262723	NUNES COOLING	20850 S DERRICK AVE	93608	CUPA Listings
CANTUA CREEK	S114630227	HALFWAY STORE	17909 DERRICK AVE S		RGA LUST
CANTUA CREEK	1012042617	TANIMURA AND ANTLE FRESH FOODS INC	20009 SO. DERRICK AVE.	93608	RMP
CANTUA CREEK	1011833312	NUNES COOLING INC..	20850 S. DERRICK AVE	93608	RMP
CANTUA CREEK	S105511348	TANIMURA & ANTLE	20009 S DERRICK	93608	CUPA Listings
CANTUA CREEK	1011833309	NUNES COOLING INC.	20850 S. DERRICK AVE	93608	RMP
CANTUA CREEK	1017718857	PG&E GIFFEN SUBSTATION	MOUNTAIN VIEW AVENUE, 3 MILES	93608	ECHO
CANTUA CREEK	S117624588	RE TRANQUILLITY LLC	SOUTHEAST OF W DINUBA AVE AND	93608	NPDES
CANTUA CREEK	S109517123	MICHAEL GRAGNANI FARMS	14455 OIL CITY RD	93608	CUPA Listings
CANTUA CREEK	S105255360	#32-CANTUA CREEK WWTF	SAN MATEO & ELK HORN	93608	WDS
CANTUA CREEK	S111291233	CANTUA SOLAR STATION	21007 STANISLAUS AVENUE	93608	CUPA Listings, NPDES
CANTUA CREEK	S112864635	PACIFIC GAS & ELECTRIC	STANISLAUS AVE 1/2 MI N. PAGE	93608	HAZNET
FRESNO	S117846428	CITIZEN B SOLAR LLC	WEST CALIFORNIA AVENUE	93640	NPDES
FRESNO COUNTY	S117709574	ROUTE 180 PM R56 2 R58 4	ROUTE 180 PM R56 2 R58 4		NPDES
FRESNO COUNTY	S107538734		HIGHWAY 180 (2 MI W OF HWY 63)		CDL
FRESNO COUNTY	S107540727		SOUTH AVE BETWEEN INDIANOLA &		CDL
FRESNO COUNTY	S117696399	BUTTONWILLOW AMERICAN MANNING	BUTTONWILLOW AMERICAN MANNING		NPDES
FRESNO COUNTY	S107539239		LONE GOUSE DUCK CLUB/1 MI NOF		CDL
FRESNO COUNTY	S107526642		1/4 MILE W OF BETHEL ON SOUTH		CDL
FRESNO COUNTY	S107526627		1/4 MI S OF ADAMS ON HIGHLAND		CDL
FRESNO COUNTY	S107535207		6.5 MI SO OF COLINGA AON HWY 1		CDL
MENDOTA	S113033399	CALTRANS DIST 6	HWY 180 AT BELMONT	93640	HAZNET
MENDOTA	S104869327	READY MIX PLANT (ABANDONED)	HIGHWAY 180 & BELMONT	93640	CUPA Listings
MENDOTA	S106922365	ABANDONED READY MIX PLANT	HWY 180	93640	SWEEPS UST
MENDOTA	S106923915	CALTRANS MAINTENANCE FACILITY	HWY 180 & BELMONT	93640	SWEEPS UST
MENDOTA	S113123489	TIERRA AG	2750 HWY 33	93640	HAZNET
MENDOTA	S106840219	SUMNER PECK GIN	HWY 33 AND NEBRASKA AVE.	93640	EMI
MENDOTA	S112936585	SCHNEIDER NATIONAL COURIERS INC	HWY 33 NORTH BOND MILE MAKER 6	93640	HAZNET
MENDOTA	S112879358	PACIFIC GAS AND ELECTRIC LEVIS SUB	HWY 33 1 MI S OF ADAMS AVE	93640	HAZNET
MENDOTA	1016265218	INTERAGENCY TREATMENT CTR	ADAMS AVE AND THE SAN LUIS	93640	FINDS, ECHO
MENDOTA	S110376246	BRITZ INC	31955 W ADAMS	93640	CUPA Listings
MENDOTA	S117041605	NORTH STAR SOLAR	N AND W OF CALIFORNIA AVE AND	93640	NPDES
MENDOTA	S106923162	BEACON STATION # 363	BELMONT & HWY 180	93640	SWEEPS UST
MENDOTA	S118407808	BEACON STATION 363	BELMONT AND HIGHWAY 180	93640	HIST UST
MENDOTA	S112922745	GEORGE KISHIDA INC	N BOUND I-5 1/4 ML N OF MANNIN	93640	HAZNET
MENDOTA	S100925074	SUMNER PECK RANCH	P.O. BOX 507	93640	Toxic Pits
MENDOTA	S113132015	FIREBAUGH CANAL WATER DIST.	2412 DOS PALOS RD HWY 33	93640	HAZNET

Count: 64 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MENDOTA	S117399118	WESTERN AREA POWER ADMIN MP 119.63	W FLORAL AVE	93640	CUPA Listings
MENDOTA	S104869947	MCI WORLDCOM-MENDOTA SITE 682	W KAMM & SAN DIEGO, N OF AVE	93640	CUPA Listings
MENDOTA	1017718824	PG&E CHENEY SUBSTATION	5 MILES EAST OF HIGHWAY 5, 3 M	93640	ECHO
MENDOTA	1003877975	MENDOTA SITE	1 MI NE HWY 33	93640	CERCLIS-NFRAP
MENDOTA	S107540628		SE OF SAN BENITO AVE/PANOCH R	93640	CDL
MENDOTA	1016785319	PG&E PANOCH SUBSTATION	WEST PANOCH ROAD, 2 MILES EAS	93640	FINDS, ECHO
MENDOTA	S117708299	PRISON WATER LINE EXTENSION	PARALLEL HWY 33 FROM BELMONT T	93640	NPDES
MENDOTA	S112931842	PENALLA TRUCKING INC	3/10 MI S OF SHAW ON SR 33	93640	HAZNET
MENDOTA	S117399119	WESTERN AREA POWER ADMIN MP 122.04	S SAN DIEGO AVE	93640	CUPA Listings
MENDOTA	S116348302	RE ADAMS EAST	32111 W SOUTH AVE	93640	CUPA Listings
MENDOTA	S117347699	ADAMS EAST SOLAR	32111 WEST SOUTH AVENUE	93640	NPDES
MENDOTA	S101480055	SPRECKELS SUGAR COMPANY, INC.	WHITEBRIDGE ROAD & SAN MATEO	93640	ENVIROSTOR
REEDLEY	S107540874		THOMPSON RD, 1/8 MI N OF LINCO	93668	CDL
SAN JOAQUIN	1016718749	SHELL PIPELINE CO LP-PANOCH STATI	AVENUE & INTERSTATE 5 RUSSELL	93640	FINDS, ECHO
THREE ROCKS	S112945695	TIGER LINE LLC	LAT 36.50135 DEG N	93640	HAZNET
TRANQUILITY	S107539683		ON ADAMS AVE (NORTH SIDE), WES	93668	CDL
TRANQUILITY	1016783862	PG&E WESTLANDS SUBSTATION	ADAMS AVENUE 2.5 MILES EAST OF	93668	FINDS, ECHO
TRANQUILITY	S100714190	TRANQUILITY DUMPSITE	NE CORNER JAMES & MANNING	93668	ENVIROSTOR
TRANQUILITY	S107539289		MANNING AVENUE, 2 MI E OF HIGH	93668	CDL
TRANQUILLITY	S112942916	WESTLANDS WATER DISTRICT	3348 W ADAMS RD	93668	HAZNET
TRANQUILLITY	S118417029	WESTSIDE FARMERS COOPERATIVE	28285 WEST CLAYTON AVE	93668	HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	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: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

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 Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 01/06/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Varies

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 02/19/2016
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/06/2016
	Data Release Frequency: Quarterly

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 02/19/2016
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/06/2016
	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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 02/16/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Varies

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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	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: 06/22/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-267-2180
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 12/29/2015
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/11/2016
	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: 11/07/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/07/2015	Telephone: 916-323-3400
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 02/03/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/16/2016
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 11/07/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/07/2015	Telephone: 916-323-3400
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 02/03/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/16/2016
	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: 11/16/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 11/18/2015	Telephone: 916-341-6320
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 02/17/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	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	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 8: Leaking Underground Storage Tanks

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

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

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

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	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: 12/14/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2015	Telephone: see region list
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/14/2015
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Date Data Arrived at EDR: 02/26/2004

Telephone: 760-776-8943

Date Made Active in Reports: 03/24/2004

Last EDR Contact: 08/01/2011

Number of Days to Update: 27

Next Scheduled EDR Contact: 11/14/2011

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Date Data Arrived at EDR: 10/20/2004

Telephone: 510-622-2433

Date Made Active in Reports: 11/19/2004

Last EDR Contact: 09/19/2011

Number of Days to Update: 30

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015

Source: EPA, Region 5

Date Data Arrived at EDR: 11/13/2015

Telephone: 312-886-7439

Date Made Active in Reports: 01/04/2016

Last EDR Contact: 01/25/2016

Number of Days to Update: 52

Next Scheduled EDR Contact: 05/09/2016

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: 10/13/2015

Source: EPA Region 8

Date Data Arrived at EDR: 10/23/2015

Telephone: 303-312-6271

Date Made Active in Reports: 02/18/2016

Last EDR Contact: 01/25/2016

Number of Days to Update: 118

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/07/2016

Source: EPA Region 10

Date Data Arrived at EDR: 01/08/2016

Telephone: 206-553-2857

Date Made Active in Reports: 02/18/2016

Last EDR Contact: 01/25/2016

Number of Days to Update: 41

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: Quarterly

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: 01/08/2015

Source: Environmental Protection Agency

Date Data Arrived at EDR: 01/08/2015

Telephone: 415-972-3372

Date Made Active in Reports: 02/09/2015

Last EDR Contact: 01/27/2016

Number of Days to Update: 32

Next Scheduled EDR Contact: 05/09/2016

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: 03/30/2015

Source: EPA Region 7

Date Data Arrived at EDR: 04/28/2015

Telephone: 913-551-7003

Date Made Active in Reports: 06/22/2015

Last EDR Contact: 01/25/2016

Number of Days to Update: 55

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 08/20/2015	Source: EPA Region 6
Date Data Arrived at EDR: 10/30/2015	Telephone: 214-665-6597
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 111	Next Scheduled EDR Contact: 05/09/2016
	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: 11/24/2015	Source: EPA Region 4
Date Data Arrived at EDR: 12/01/2015	Telephone: 404-562-8677
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 02/22/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/09/2016
	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: 12/14/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2015	Telephone: 866-480-1028
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/14/2015
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
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: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
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.

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: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

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: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/14/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
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: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

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).

Date of Government Version: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

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: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

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: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/09/2016
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.

Date of Government Version: 11/07/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/28/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/04/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 53

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/17/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 58

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/14/2016
Next Scheduled EDR Contact: 05/30/2016
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

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: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985

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

Local Lists of Hazardous waste / Contaminated Sites

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: 09/17/2015

Date Data Arrived at EDR: 12/04/2015

Date Made Active in Reports: 02/18/2016

Number of Days to Update: 76

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015

Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005

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: 11/07/2015

Date Data Arrived at EDR: 11/07/2015

Date Made Active in Reports: 12/17/2015

Number of Days to Update: 40

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/16/2016

Data Release Frequency: Quarterly

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: 12/31/2014

Date Data Arrived at EDR: 03/10/2015

Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-255-6504

Last EDR Contact: 01/11/2016

Next Scheduled EDR Contact: 04/25/2016

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/25/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

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
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 11/25/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 16

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/23/2015
Next Scheduled EDR Contact: 03/14/2016
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
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 12/17/2015
Date Data Arrived at EDR: 12/22/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

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: 12/07/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 44

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/08/2015
Next Scheduled EDR Contact: 12/21/2015
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: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/11/2016
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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/25/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 20

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
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: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2015
Next Scheduled EDR Contact: 03/28/2016
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: 12/14/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2016
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Semi-Annually

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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2016
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: N/A

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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/19/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015	Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 02/16/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/09/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 02/12/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Varies

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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 12/23/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Every 4 Years

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: 12/31/2013	Source: EPA
Date Data Arrived at EDR: 02/12/2015	Telephone: 202-566-0250
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 110	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Annually

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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/25/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Annually

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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 12/11/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/23/2016
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 01/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/25/2016
	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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 01/08/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

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: 06/26/2015
Date Data Arrived at EDR: 07/10/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 95

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant 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: 01/13/2016
Next Scheduled EDR Contact: 04/25/2016
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/29/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
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: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/24/2015
Next Scheduled EDR Contact: 03/07/2016
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 11/23/2015	Source: Department of Energy
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-586-3559
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 02/08/2016
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Varies

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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/22/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/06/2016
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/26/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US 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: 08/18/2015
Date Data Arrived at EDR: 09/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/03/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/10/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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).

Date of Government Version: 12/28/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/29/2015	Telephone: 916-323-3400
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 12/29/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 08/10/2015	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/27/2015	Telephone: 916-327-4498
Date Made Active in Reports: 10/01/2015	Last EDR Contact: 02/05/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/21/2016
	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: 12/31/2013	Source: California Air Resources Board
Date Data Arrived at EDR: 09/25/2015	Telephone: 916-322-2990
Date Made Active in Reports: 11/05/2015	Last EDR Contact: 12/23/2015
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/18/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/23/2015	Telephone: 916-445-9379
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 11/02/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/07/2015	Telephone: 916-255-3628
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 11/18/2015	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 11/23/2015	Telephone: 916-341-6066
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 02/16/2016
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/30/2016
	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. This database begins with calendar year 1993.

Date of Government Version: 12/31/2014	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/14/2015	Telephone: 916-255-1136
Date Made Active in Reports: 12/11/2015	Last EDR Contact: 01/11/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Annually

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 [CALSTITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/23/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/24/2015	Telephone: 916-323-3400
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 11/24/2015
Number of Days to Update: 58	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

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: 01/11/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/13/2016	Telephone: 916-440-7145
Date Made Active in Reports: 02/22/2016	Last EDR Contact: 01/13/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/14/2015	Source: Department of Conservation
Date Data Arrived at EDR: 12/17/2015	Telephone: 916-322-1080
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/17/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/10/2015	Source: Department of Public Health
Date Data Arrived at EDR: 12/08/2015	Telephone: 916-558-1784
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 12/08/2015
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/16/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/18/2015	Telephone: 916-445-9379
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 02/17/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/07/2015	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/08/2015	Telephone: 916-445-4038
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 12/08/2015
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/14/2015	Source: Department of Conservation
Date Data Arrived at EDR: 09/15/2015	Telephone: 916-323-3836
Date Made Active in Reports: 10/14/2015	Last EDR Contact: 12/17/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/10/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/05/2016	Telephone: 916-445-3846
Date Made Active in Reports: 02/12/2016	Last EDR Contact: 12/17/2015
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/23/2015	Source: Department of Conservation
Date Data Arrived at EDR: 09/15/2015	Telephone: 916-445-2408
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 12/18/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 04/17/2015	Telephone: 559-445-5577
Date Made Active in Reports: 06/23/2015	Last EDR Contact: 01/15/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/19/2016
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/16/2016
	Data Release Frequency: Quarterly

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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 12/23/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/23/2015	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 800-385-6164
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 11/24/2015
Number of Days to Update: 86	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2015	Telephone: 202-564-2280
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 12/21/2015
Number of Days to Update: 103	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 01/11/2016
Date Data Arrived at EDR: 01/12/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 41

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 10/13/2015
Date Made Active in Reports: 11/19/2015
Number of Days to Update: 37

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 11/16/2015
Date Data Arrived at EDR: 12/10/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 42

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 02/02/2016
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 18

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/28/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

COLUSA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2015
Date Data Arrived at EDR: 09/22/2015
Date Made Active in Reports: 10/14/2015
Number of Days to Update: 22

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/01/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 11/16/2015
Date Data Arrived at EDR: 11/17/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 24

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/30/2015
Date Data Arrived at EDR: 12/03/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

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: 01/05/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 45

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/04/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 48

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/25/2016
Date Data Arrived at EDR: 01/27/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 26

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 06/18/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 34

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/19/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

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

Date of Government Version: 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: 12/17/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 33

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/19/2015
Date Data Arrived at EDR: 10/20/2015
Date Made Active in Reports: 11/19/2015
Number of Days to Update: 30

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/20/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2015
Date Data Arrived at EDR: 07/27/2015
Date Made Active in Reports: 08/10/2015
Number of Days to Update: 14

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Varies

Site Mitigation List

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

Date of Government Version: 01/15/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 40

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/02/2016
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: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/12/2016
Date Data Arrived at EDR: 01/15/2016
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 24

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/15/2015
Date Data Arrived at EDR: 09/17/2015
Date Made Active in Reports: 10/14/2015
Number of Days to Update: 27

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/05/2015
Date Data Arrived at EDR: 10/08/2015
Date Made Active in Reports: 10/15/2015
Number of Days to Update: 7

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/18/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 34

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA Facility List

Date of Government Version: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 51

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/23/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 12/10/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 60

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

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

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/23/2015
Next Scheduled EDR Contact: 03/14/2016
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: 11/23/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/27/2016
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/01/2015
Date Data Arrived at EDR: 11/17/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 65

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/03/2015
Date Data Arrived at EDR: 08/10/2015
Date Made Active in Reports: 09/11/2015
Number of Days to Update: 32

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/01/2015
Date Data Arrived at EDR: 11/11/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/10/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 12/11/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 41

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/21/2016
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: 10/26/2015
Date Data Arrived at EDR: 10/28/2015
Date Made Active in Reports: 11/19/2015
Number of Days to Update: 22

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/26/2015
Date Data Arrived at EDR: 10/28/2015
Date Made Active in Reports: 11/19/2015
Number of Days to Update: 22

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Toxic Site Clean-Up List

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

Date of Government Version: 11/02/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2016
Next Scheduled EDR Contact: 04/18/2016
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: 11/02/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

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

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/18/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
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: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Environmental Case Listing

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

Date of Government Version: 03/23/2010	Source: San Diego County Department of Environmental Health
Date Data Arrived at EDR: 06/15/2010	Telephone: 619-338-2371
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 12/04/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: No Update Planned

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	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 02/08/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 02/08/2016
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/23/2016
	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: 12/18/2015	Source: Environmental Health Department
Date Data Arrived at EDR: 12/22/2015	Telephone: N/A
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/17/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/07/2015	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 12/10/2015	Telephone: 805-781-5596
Date Made Active in Reports: 01/21/2016	Last EDR Contact: 02/22/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/21/2016
	Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/14/2015
Date Data Arrived at EDR: 10/15/2015
Date Made Active in Reports: 11/16/2015
Number of Days to Update: 32

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/14/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 12/17/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 53

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 11/18/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

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

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

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
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: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/23/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 59

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/18/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 18

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 12/10/2015
Date Made Active in Reports: 01/21/2016
Number of Days to Update: 42

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/10/2015
Next Scheduled EDR Contact: 12/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 12/14/2015
Date Made Active in Reports: 02/08/2016
Number of Days to Update: 56

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/10/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 01/11/2016
Date Data Arrived at EDR: 01/14/2016
Date Made Active in Reports: 02/22/2016
Number of Days to Update: 39

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 01/11/2016
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/05/2016	Source: Department of Health Services
Date Data Arrived at EDR: 01/07/2016	Telephone: 707-565-6565
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/23/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/07/2015	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 12/08/2015	Telephone: 530-822-7500
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 12/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 10/29/2015	Source: Division of Environmental Health
Date Data Arrived at EDR: 10/30/2015	Telephone: 209-533-5633
Date Made Active in Reports: 12/11/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 07/27/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 08/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/09/2016
	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: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 12/30/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 04/18/2016
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/14/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/28/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/28/2015	Telephone: 805-654-2813
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/09/2016
	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: 11/30/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 12/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/17/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 10/19/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 10/27/2015	Telephone: 530-666-8646
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 02/01/2016
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2016	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/05/2016	Telephone: 530-749-7523
Date Made Active in Reports: 02/22/2016	Last EDR Contact: 02/01/2016
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/16/2016
	Data Release Frequency: Varies

OTHER DATABASE(S)

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

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: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 02/18/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
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: 11/02/2015
Date Data Arrived at EDR: 11/08/2015
Date Made Active in Reports: 12/09/2015
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/09/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RE SCARLET LLC
RE SCARLET LLC
CANTUA CREEK, CA 93608

TARGET PROPERTY COORDINATES

Latitude (North): 36.607677 - 36° 36' 27.64"
Longitude (West): 120.3498 - 120° 20' 59.28"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 737040.7
UTM Y (Meters): 4054420.5
Elevation: 183 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5602462 CANTUA CREEK, CA
Version Date: 2012

North Map: 5602938 TRANQUILLITY, CA
Version Date: 2012

Southwest Map: 5602506 LEVIS, CA
Version Date: 2012

Northwest Map: 5602474 COIT RANCH, CA
Version Date: 2012

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 principal 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).

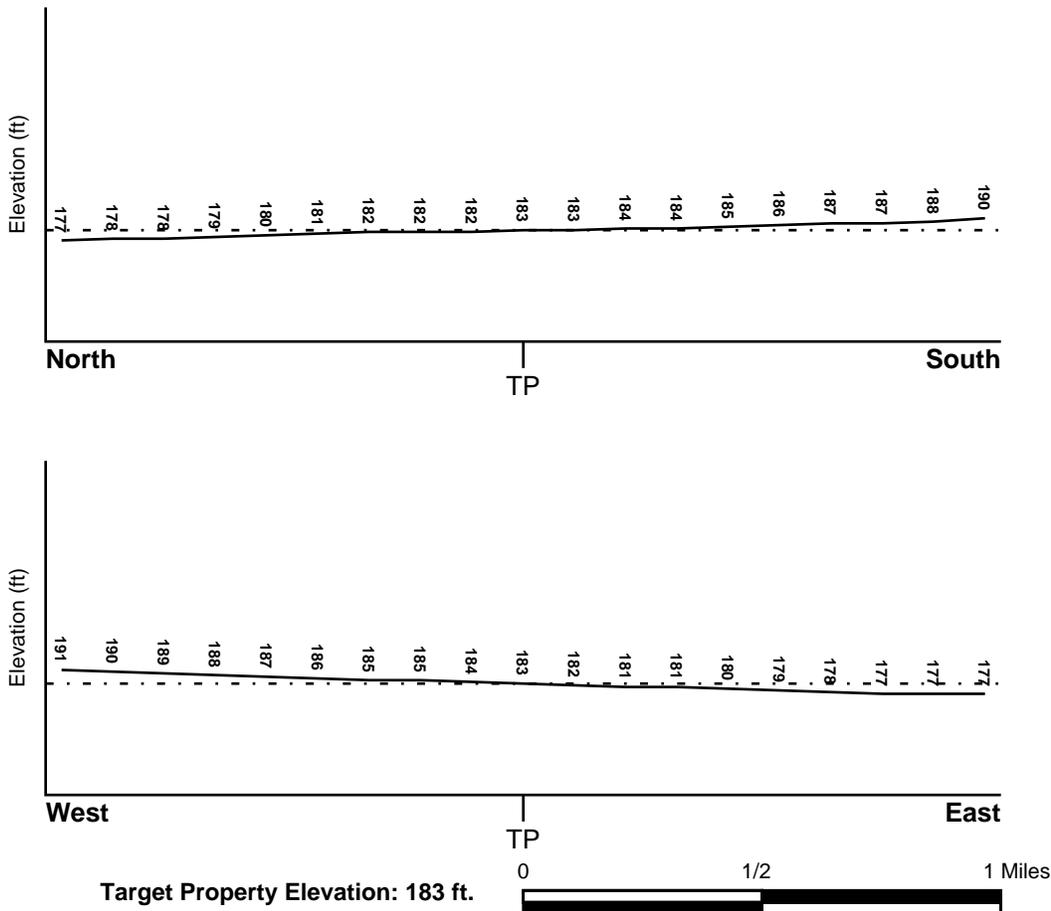
TOPOGRAPHIC INFORMATION

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 ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> FRESNO, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06019C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> CANTUA CREEK	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	--

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

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

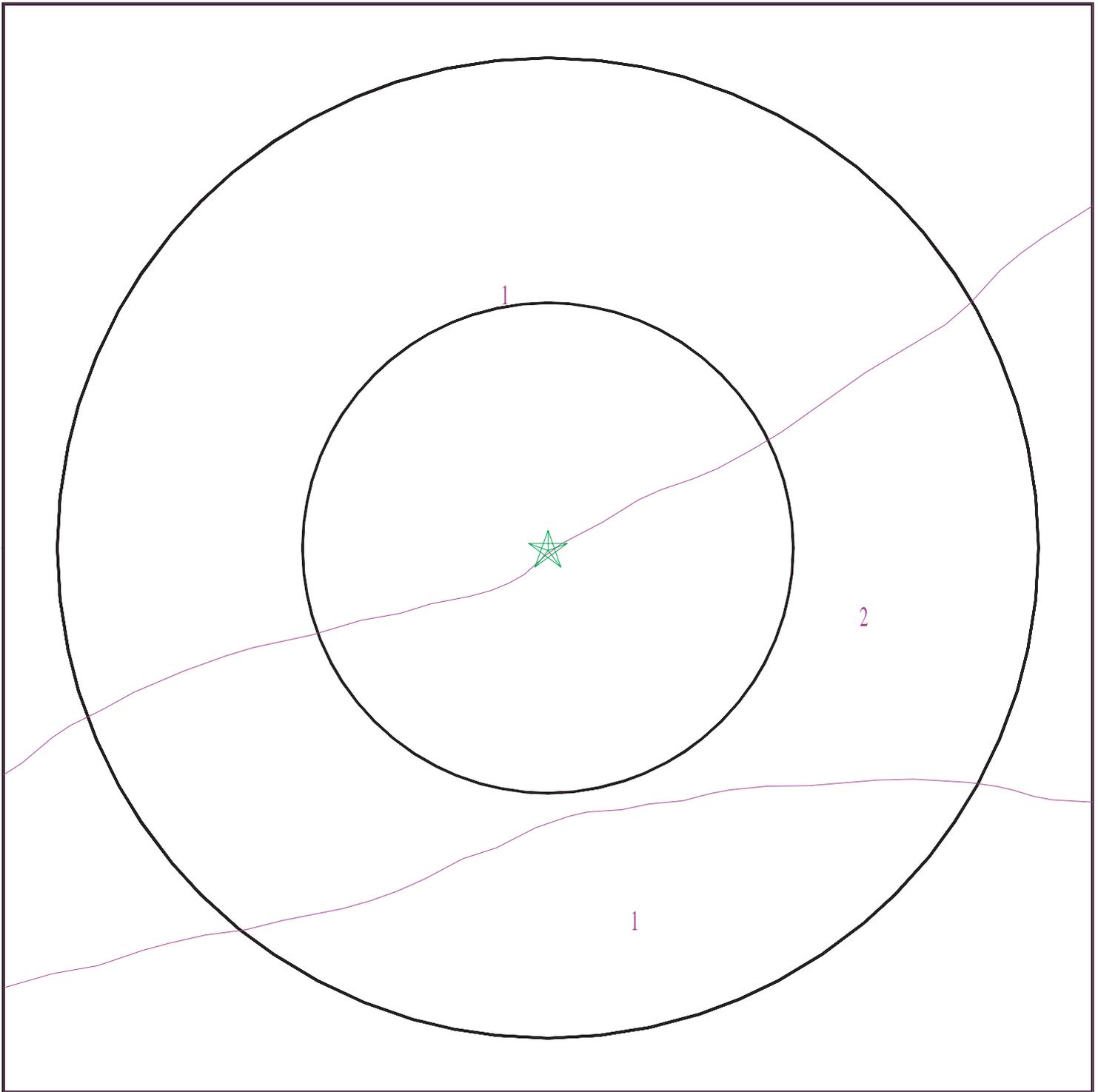
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

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 - 4550794.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: RE Scarlet LLC
ADDRESS: RE Scarlet LLC
Cantua Creek CA 93608
LAT/LONG: 36.607677 / -120.3498

CLIENT: Stantec
CONTACT: Michael Myers
INQUIRY #: 4550794.2s
DATE: February 29, 2016 5:47 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: TRANQUILLITY

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: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 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	30 inches	48 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: 0.42 Min: 0.02	Max: 8.4 Min: 7.9
2	0 inches	5 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: 7.9
3	5 inches	15 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: 7.9
4	15 inches	30 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: 0.42 Min: 0.02	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	48 inches	64 inches	silty 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: 0.42 Min: 0.02	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: CIERVO

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: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 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	16 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: 7.9
2	16 inches	27 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: 9 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	27 inches	40 inches	silty 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: 0.42 Min: 0.02	Max: 9 Min: 7.9
4	40 inches	59 inches	clay loam	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: 9 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	3.750
Federal FRDS PWS	Nearest PWS within 2.750 miles
State Database	3.750

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	USGS40000175372	1/2 - 1 Mile NE
B7	USGS40000175228	1/2 - 1 Mile ESE
C8	USGS40000175465	1 - 2 Miles NNE
10	USGS40000175182	1 - 2 Miles ESE
D11	USGS40000175287	1 - 2 Miles West
D12	USGS40000175293	1 - 2 Miles West
D14	USGS40000175275	1 - 2 Miles West
E16	USGS40000175258	1 - 2 Miles West
20	USGS40000175376	1 - 2 Miles WNW
F21	USGS40000175488	1 - 2 Miles NNE
23	USGS40000175181	1 - 2 Miles ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G24	USGS40000175227	1 - 2 Miles ESE
27	USGS40000175474	1 - 2 Miles NW
31	USGS40000175486	1 - 2 Miles NW
H32	USGS40000175081	1 - 2 Miles SE
I33	USGS40000175564	1 - 2 Miles North
I34	USGS40000175572	1 - 2 Miles North
I36	USGS40000175579	1 - 2 Miles North
37	USGS40000175589	1 - 2 Miles North
J40	USGS40000175026	1 - 2 Miles South
K43	USGS40000175588	1 - 2 Miles NNE
L47	USGS40000175291	1 - 2 Miles East
M48	USGS40000175590	1 - 2 Miles NNW
K50	USGS40000175598	1 - 2 Miles NNE
O52	USGS40000175573	1 - 2 Miles NNW
N55	USGS40000175637	1 - 2 Miles NNE
P57	USGS40000175599	2 - 3 Miles NW
Q60	USGS40000175309	2 - 3 Miles West
R62	USGS40000175666	2 - 3 Miles NNW
63	USGS40000175495	2 - 3 Miles ENE
R64	USGS40000175672	2 - 3 Miles NNW
S70	USGS40000175407	2 - 3 Miles WNW
S71	USGS40000175408	2 - 3 Miles WNW
T76	USGS40000175607	2 - 3 Miles NW
U79	USGS40000175086	2 - 3 Miles WSW
V80	USGS40000175501	2 - 3 Miles WNW
W83	USGS40000175524	2 - 3 Miles WNW
X84	USGS40000175095	2 - 3 Miles WSW
X85	USGS40000175096	2 - 3 Miles WSW
88	USGS40000174973	2 - 3 Miles SSW
Y89	USGS40000175789	2 - 3 Miles North
Y90	USGS40000175798	2 - 3 Miles North
Y92	USGS40000175799	2 - 3 Miles North
93	USGS40000175622	2 - 3 Miles NW
Y94	USGS40000175822	2 - 3 Miles North
Y95	USGS40000175823	2 - 3 Miles North
Y96	USGS40000175824	2 - 3 Miles North
98	USGS40000175587	2 - 3 Miles NE
108	USGS40000175797	2 - 3 Miles North
AA111	USGS40000175838	2 - 3 Miles North
AA112	USGS40000175839	2 - 3 Miles North
AA113	USGS40000175840	2 - 3 Miles North
AB115	USGS40000175800	2 - 3 Miles NNW
AB116	USGS40000175801	2 - 3 Miles NNW
AD120	USGS40000174958	2 - 3 Miles SSE
AC121	USGS40000175087	2 - 3 Miles WSW
AB123	USGS40000175825	2 - 3 Miles NNW
125	USGS40000175600	2 - 3 Miles NW
AF126	USGS40000175788	2 - 3 Miles NNE
AF129	USGS40000175787	2 - 3 Miles NNE
AF131	USGS40000175796	2 - 3 Miles NNE
AG133	USGS40000174962	2 - 3 Miles SW
135	USGS40000175802	2 - 3 Miles NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AH137	USGS40000175795	2 - 3 Miles NNE
AH138	USGS40000175821	2 - 3 Miles NNE
AI140	USGS40000174957	3 - 4 Miles SE
142	USGS40000175803	3 - 4 Miles NNW
AJ143	USGS40000175242	3 - 4 Miles West
149	USGS40000174959	3 - 4 Miles SW
AL152	USGS40000175079	3 - 4 Miles ESE
AL153	USGS40000175080	3 - 4 Miles ESE
AK155	USGS40000175042	3 - 4 Miles ESE
AM156	USGS40000174856	3 - 4 Miles SSE
AN157	USGS40000175537	3 - 4 Miles ENE
160	USGS40000175937	3 - 4 Miles West
161	USGS40000174883	3 - 4 Miles SSW
AO164	USGS40000175470	3 - 4 Miles WNW
AO165	USGS40000175471	3 - 4 Miles WNW
AP167	USGS40000175696	3 - 4 Miles NE
AQ170	USGS40000175571	3 - 4 Miles ENE
AR172	USGS40000175841	3 - 4 Miles NW
AS173	USGS40000174862	3 - 4 Miles SSW
AT174	USGS40000174966	3 - 4 Miles SW
175	USGS40000175704	3 - 4 Miles NW
176	USGS40000175832	3 - 4 Miles NW
AT179	USGS40000174967	3 - 4 Miles SW
AV182	USGS40000174848	3 - 4 Miles SSW
186	USGS40000176091	3 - 4 Miles NNW
AY187	USGS40000175499	3 - 4 Miles WNW
AW188	USGS40000175694	3 - 4 Miles NE
AW189	USGS40000175695	3 - 4 Miles NE
191	USGS40000174818	3 - 4 Miles SSW
AX193	USGS40000175608	3 - 4 Miles WNW
196	USGS40000176134	3 - 4 Miles North
AZ197	USGS40000175384	3 - 4 Miles West
BA199	USGS40000175417	3 - 4 Miles WNW
AZ202	USGS40000175388	3 - 4 Miles West
BA203	USGS40000175396	3 - 4 Miles West
205	USGS40000176158	3 - 4 Miles North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADW60000025334	1/4 - 1/2 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADW60000002172	1/2 - 1 Mile NE
4	CADW60000005412	1/2 - 1 Mile SSW
5	CADW60000025333	1/2 - 1 Mile NW
B6	CADW60000002173	1/2 - 1 Mile ESE
C9	CADW60000007411	1 - 2 Miles NNE
D13	CADW60000025331	1 - 2 Miles West
D15	CADW60000002171	1 - 2 Miles West
C17	CADW60000029268	1 - 2 Miles NNE
E18	CADW60000025332	1 - 2 Miles West
19	CADW60000025516	1 - 2 Miles ESE
F22	CADW60000029267	1 - 2 Miles NNE
25	CADW60000007410	1 - 2 Miles ENE
G26	CADW60000025335	1 - 2 Miles ESE
28	CADW60000029266	1 - 2 Miles ENE
29	CADW60000025524	1 - 2 Miles South
H30	CADW60000025517	1 - 2 Miles SE
I35	CADW60000007412	1 - 2 Miles North
J38	CADW60000025526	1 - 2 Miles South
J39	CADW60000025525	1 - 2 Miles South
J41	CADW60000025527	1 - 2 Miles South
42	CADW60000029105	1 - 2 Miles NNW
44	CADW60000025515	1 - 2 Miles East
L45	CADW60000025512	1 - 2 Miles East
M46	CADW60000029269	1 - 2 Miles NNW
49	CADW60000025518	1 - 2 Miles SE
N51	CADW60000029107	1 - 2 Miles NNE
53	CADW60000032759	1 - 2 Miles NNE
O54	CADW60000029270	1 - 2 Miles NNW
P56	CADW60000029102	2 - 3 Miles NW
58	CADW60000002170	2 - 3 Miles West
59	CADW60000005918	2 - 3 Miles NNE
Q61	CADW60000025330	2 - 3 Miles West
65	CADW60000014719	2 - 3 Miles SE
R66	CADW60000015222	2 - 3 Miles NNW
R67	CADW60000029104	2 - 3 Miles NNW
S68	CADW60000002169	2 - 3 Miles WNW
S69	CADW60000025329	2 - 3 Miles WNW
T72	CADW60000029101	2 - 3 Miles NW
T73	CADW60000029100	2 - 3 Miles NW
U74	CADW60000025521	2 - 3 Miles WSW
T75	CADW60000029099	2 - 3 Miles NW
77	CADW60000005202	2 - 3 Miles WSW
U78	CADW60000025520	2 - 3 Miles WSW
V81	CADW60000007413	2 - 3 Miles WNW
W82	CADW60000025328	2 - 3 Miles WNW
X86	CADW60000025519	2 - 3 Miles WSW
W87	CADW60000002168	2 - 3 Miles WNW
Z91	CADW60000002176	2 - 3 Miles SSE
Y97	CADW60000000858	2 - 3 Miles North
Y99	CADW60000000859	2 - 3 Miles North
Y100	CADW60000029106	2 - 3 Miles North
Y101	CADW60000014549	2 - 3 Miles North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Y102	CADW6000007406	2 - 3 Miles North
Y103	CADW60000031312	2 - 3 Miles North
Y104	CADW60000000426	2 - 3 Miles North
Y105	CADW60000005110	2 - 3 Miles North
Y106	CADW60000031510	2 - 3 Miles North
Y107	CADW60000015628	2 - 3 Miles North
AA109	CADW6000003999	2 - 3 Miles North
Z110	CADW60000025528	2 - 3 Miles SSE
AA114	CADW60000029094	2 - 3 Miles North
AC117	CADW60000014545	2 - 3 Miles WSW
118	CADW60000029098	2 - 3 Miles NW
AD119	CADW60000002177	2 - 3 Miles SSE
AE122	CADW60000025523	2 - 3 Miles SW
AB124	CADW60000029103	2 - 3 Miles NNW
AB127	CADW60000007405	2 - 3 Miles NNW
AB128	CADW60000000755	2 - 3 Miles NNW
AE130	CADW60000000757	2 - 3 Miles SW
AG132	CADW60000025522	2 - 3 Miles SW
134	CADW60000010860	2 - 3 Miles South
136	CADW60000032060	2 - 3 Miles East
AI139	CADW60000025530	2 - 3 Miles SE
141	CADW60000007404	3 - 4 Miles NNE
AJ144	CADW60000024529	3 - 4 Miles West
AK145	CADW60000025529	3 - 4 Miles ESE
AL146	CADW60000002175	3 - 4 Miles ESE
AL147	CADW60000000756	3 - 4 Miles ESE
AL148	CADW60000015516	3 - 4 Miles ESE
AL150	CADW60000002174	3 - 4 Miles ESE
AL151	CADW60000025513	3 - 4 Miles ESE
AM154	CADW60000010859	3 - 4 Miles SSE
158	CADW60000025972	3 - 4 Miles WNW
AN159	CADW60000029265	3 - 4 Miles ENE
162	CADW60000002178	3 - 4 Miles SE
AO163	CADW60000025971	3 - 4 Miles WNW
AP166	CADW60000029108	3 - 4 Miles NE
AQ168	CADW60000029263	3 - 4 Miles ENE
169	CADW60000007723	3 - 4 Miles SSE
AR171	CADW60000029096	3 - 4 Miles NW
AS177	CADW60000007724	3 - 4 Miles SSW
AT178	CADW60000029092	3 - 4 Miles SW
AU180	CADW60000025531	3 - 4 Miles SE
AU181	CADW60000000660	3 - 4 Miles SE
AW183	CADW60000007407	3 - 4 Miles NE
AX184	CADW60000036071	3 - 4 Miles WNW
AV185	CADW60000007725	3 - 4 Miles SSW
AY190	CADW60000008021	3 - 4 Miles WNW
192	CADW60000007722	3 - 4 Miles SSE
194	CADW60000029097	3 - 4 Miles NW
195	CADW60000025514	3 - 4 Miles ESE
198	CADW60000010861	3 - 4 Miles SSW
AZ200	CADW60000008763	3 - 4 Miles West
AZ201	CADW60000024901	3 - 4 Miles West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

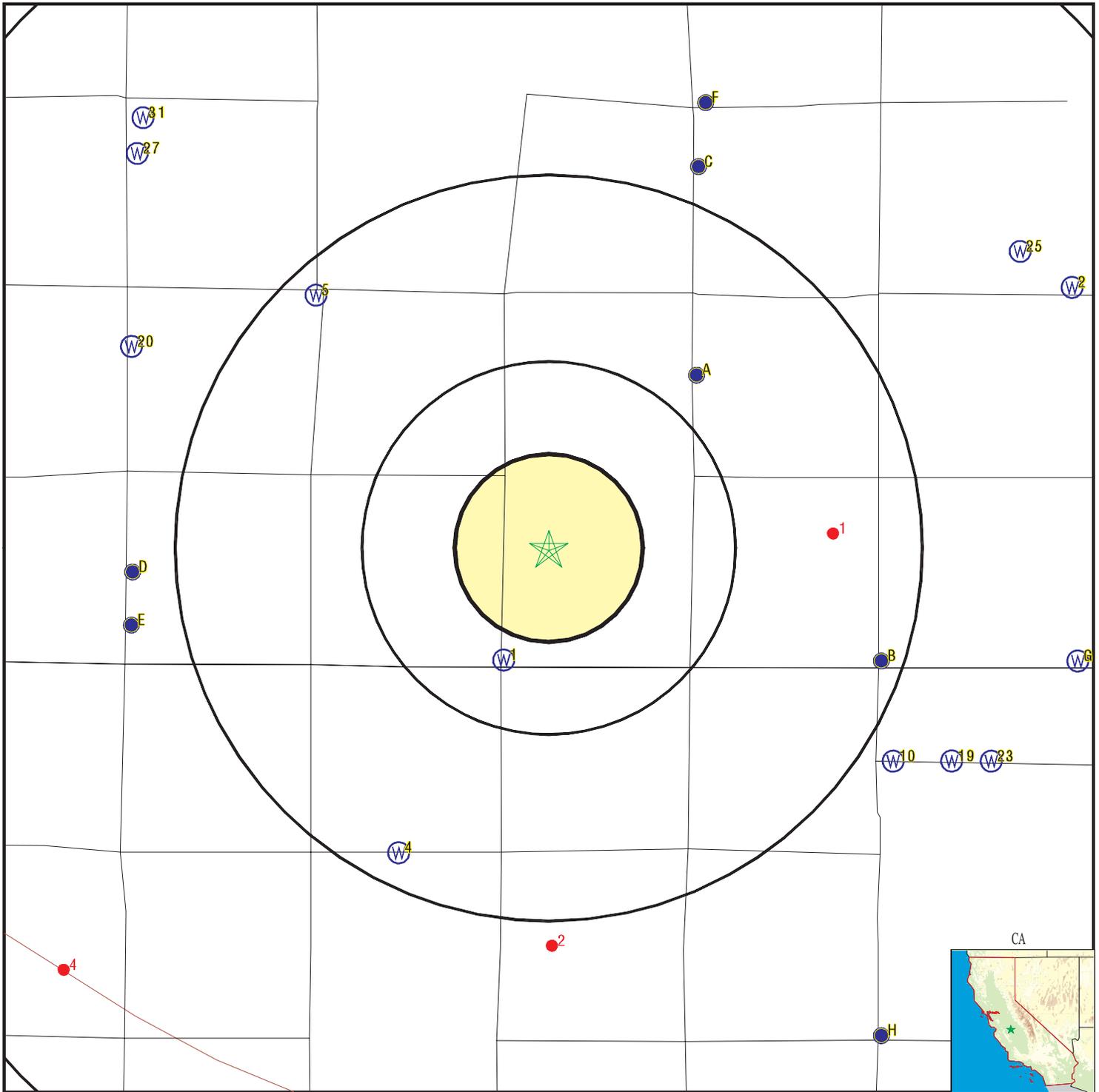
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
204	13237	3 - 4 Miles SW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000272691	1/2 - 1 Mile East
2	CAOG11000270708	1 - 2 Miles South
3	CAOG11000268378	1 - 2 Miles East
4	CAOG11000268377	1 - 2 Miles SW
5	CAOG11000268380	1 - 2 Miles NNW
6	CAOG11000270115	2 - 3 Miles SSE
7	CAOG11000268376	2 - 3 Miles East
8	CAOG11000273628	2 - 3 Miles NE
9	CAOG11000268441	2 - 3 Miles South
10	CAOG11000277013	2 - 3 Miles SW
11	CAOG11000268375	2 - 3 Miles West
12	CAOG11000271569	3 - 4 Miles ESE
13	CAOG11000268379	3 - 4 Miles ESE
14	CAOG11000272046	3 - 4 Miles SW

PHYSICAL SETTING SOURCE MAP - 4550794.2s



- 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



<p>SITE NAME: RE Scarlet LLC ADDRESS: RE Scarlet LLC Cantua Creek CA 93608 LAT/LONG: 36.607677 / -120.3498</p>	<p>CLIENT: Stantec CONTACT: Michael Myers INQUIRY #: 4550794.2s DATE: February 29, 2016 5:46 pm</p>
---	--

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

<p>1 SSW 1/4 - 1/2 Mile Higher</p> <p>Objectid: 25334 Latitude: 36.603321 Longitude: -120.351967 Site code: 366033N1203338W001 State well numbe: 15S15E21N002M Local well name: '15S/15E-21N02' Well use id: 3 Well use descrip: Irrigation County id: 10 County name: Fresno Basin code: '5-22.09' Basin desc: Westside Dwr region id: 80237 Dwr region: South Central Region Office Site id: CADW60000025334</p>	<p>CA WELLS</p>	<p>CADW60000025334</p>
--	------------------------	-------------------------------

<p>A2 NE 1/2 - 1 Mile Lower</p> <p>Objectid: 2172 Latitude: 36.6144 Longitude: -120.3427 Site code: 366144N1203427W001 State well numbe: 15S15E21B001M Local well name: " Well use id: 6 Well use descrip: Unknown County id: 10 County name: Fresno Basin code: '5-22.09' Basin desc: Westside Dwr region id: 80237 Dwr region: South Central Region Office Site id: CADW60000002172</p>	<p>CA WELLS</p>	<p>CADW60000002172</p>
---	------------------------	-------------------------------

<p>A3 NE 1/2 - 1 Mile Lower</p> <p>Org. Identifier: USGS-CA Formal name: USGS California Water Science Center Monloc Identifier: USGS-363652120203001 Monloc name: 015S015E21B001M Monloc type: Well Monloc desc: Not Reported Huc code: 18030012 Drainagearea Units: Not Reported Contrib drainagearea units: Not Reported Longitude: -120.3426614</p>	<p>FED USGS</p>	<p>USGS40000175372</p>
---	------------------------	-------------------------------

Drainagearea value:	Not Reported	
Contrib drainagearea:	Not Reported	
Latitude:	36.6143949	
Sourcemap scale:	24000	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	177.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	965
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	110.00	

4
SSW
1/2 - 1 Mile
Higher

CA WELLS CADW60000005412

Objectid:	5412
Latitude:	36.595833
Longitude:	-120.35702
Site code:	365958N1203570W001
State well numbe:	15S15E29K001M
Local well name:	'15S/15E-29K01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000005412

5
NW
1/2 - 1 Mile
Higher

CA WELLS CADW60000025333

Objectid:	25333
Latitude:	36.6175
Longitude:	-120.361
Site code:	366175N1203610W001
State well numbe:	15S15E20Q001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025333

B6
ESE
1/2 - 1 Mile
Lower

CA WELLS CADW60000002173

Objectid: 2173
 Latitude: 36.6033
 Longitude: -120.3338
 Site code: 366033N1203338W002
 State well numbe: 15S15E22N001M
 Local well name: '15S15E22N001M'
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000002173

B7
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000175228

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363612120195801	
Monloc name: 015S015E22N001M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6032838
Longitude: -120.3337717	Sourcemap scale: 24000
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 175.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Interpolated from topographic map	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: 19470327	Welldepth: 792
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1958-05-01	94.00	

C8
NNE
1 - 2 Miles
Lower

FED USGS USGS40000175465

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363720120203001		
Monloc name:	015S015E16K001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6221726
Longitude:	-120.3426618	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480101	Welldepth:	500
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-09-01	115.00	

C9
NNE
1 - 2 Miles
Lower

CA WELLS CADW60000007411

Objectid:	7411
Latitude:	36.6222
Longitude:	-120.3424
Site code:	366222N1203424W001
State well numbe:	15S15E16K001M
Local well name:	'15S15E16K001M'
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000007411

**10
 ESE
 1 - 2 Miles
 Higher**

FED USGS USGS40000175182

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363558120195601		
Monloc name:	015S015E27D001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5993949
Longitude:	-120.333216	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	179.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19470101	Welldepth:	613
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1950-07-01	120.00	

**D11
 West
 1 - 2 Miles
 Higher**

FED USGS USGS40000175287

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363624120220701		
Monloc name:	015S015E20N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6066171
Longitude:	-120.3696066	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	188.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-05-01	265.00	

D12
West
1 - 2 Miles
Higher

FED USGS USGS40000175293

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363626120220801		
Monloc name:	015S015E20M001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6071727
Longitude:	-120.3698844	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	189.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19540101	Welldepth:	864
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	306.00	

D13
West
1 - 2 Miles
Higher

CA WELLS CADW60000025331

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25331
 Latitude: 36.6072
 Longitude: -120.3699
 Site code: 366072N1203699W001
 State well numbe: 15S15E20M001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025331

**D14
West
1 - 2 Miles
Higher**

FED USGS USGS40000175275

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363623120220801		
Monloc name:	015S015E20N005M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6063394
Longitude:	-120.3698844	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	189.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	525
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1966-12-01	138.00	

**D15
West
1 - 2 Miles
Higher**

CA WELLS CADW60000002171

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 2171
 Latitude: 36.6064
 Longitude: -120.3699
 Site code: 366064N1203699W001
 State well numbe: 15S15E20N001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000002171

E16
West
1 - 2 Miles
Higher

FED USGS USGS40000175258

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-363617120220801
 Monloc name: 015S015E20N002M
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18030012 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 36.6046727
 Longitude: -120.3698843 Sourcemap scale: 24000
 Horiz Acc measure: 1 Horiz Acc measure units: seconds
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83 Vert measure val: 188.00
 Vert measure units: feet Vertacc measure val: 2.5
 Vert accmeasure units: feet
 Vertcollection method: Interpolated from topographic map
 Vert coord refsys: NGVD29 Countrycode: US
 Aquifername: Central Valley aquifer system
 Formation type: Alluvium Above and Below E-Clay (Miocene-Pleistocene)
 Aquifer type: Not Reported
 Construction date: 19500101 Welldepth: 1059
 Welldepth units: ft Wellholedepth: Not Reported
 Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 2

	Feet below	Feet to		Feet below	Feet to
Date	Surface	Sealevel	Date	Surface	Sealevel
1985-01-24	55.59		1960-05-01	154.00	

C17
NNE
1 - 2 Miles
Lower

CA WELLS CADW60000029268

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 29268
Latitude: 36.623121
Longitude: -120.342704
Site code: 366244N1203427W001
State well numbe: 15S15E16K002M
Local well name: '15S/15E-16K02'
Well use id: 3
Well use descrip: Irrigation
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000029268

E18
West
1 - 2 Miles
Higher

CA WELLS CADW60000025332

Objectid: 25332
Latitude: 36.6047
Longitude: -120.3699
Site code: 366047N1203699W001
State well numbe: 15S15E20N002M
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000025332

19
ESE
1 - 2 Miles
Higher

CA WELLS CADW60000025516

Objectid: 25516
Latitude: 36.5994
Longitude: -120.3304
Site code: 365994N1203304W001
State well numbe: 15S15E27C001M
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 10
County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025516

20
WNW
1 - 2 Miles
Higher

FED USGS USGS40000175376

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363656120220801		
Monloc name:	015S015E20D001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.615506
Longitude:	-120.3698848	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	186.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19470101	Welldepth:	1120
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1950-07-01	175.00	

F21
NNE
1 - 2 Miles
Lower

FED USGS USGS40000175488

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363729120202901		
Monloc name:	015S015E16K002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6246726
Longitude:	-120.342384	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	172.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19510101	Welldepth:	501
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1958-05-01	99.00	

F22
NNE
1 - 2 Miles
Lower

CA WELLS CADW60000029267

Objectid:	29267
Latitude:	36.6253
Longitude:	-120.3421
Site code:	366253N1203421W001
State well numbe:	15S15E16G001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029267

23
ESE
1 - 2 Miles
Higher

FED USGS USGS40000175181

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363558120193901		
Monloc name:	015S015E27C001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5993949
Longitude:	-120.3284936	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	180.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19560101	Welldepth:	500
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	128.00	

G24
ESE
1 - 2 Miles
Lower

FED USGS USGS40000175227

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363612120192401		
Monloc name:	015S015E22Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6032838
Longitude:	-120.3243269	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	176.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19470401	Welldepth:	749
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	103.00	

25
ENE
1 - 2 Miles
Lower

CA WELLS CADW60000007410

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 7410
 Latitude: 36.6192
 Longitude: -120.3271
 Site code: 366192N1203271W001
 State well numbe: 15S15E15P004M
 Local well name: '15S15E15P004M'
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW6000007410

G26
ESE
1 - 2 Miles
Lower

CA WELLS CADW60000025335

Objectid: 25335
 Latitude: 36.6033
 Longitude: -120.3235
 Site code: 366033N1203235W001
 State well numbe: 15S15E22Q001M
 Local well name: '15S15E22Q001M'
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025335

27
NW
1 - 2 Miles
Higher

FED USGS USGS40000175474

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363723120220701		
Monloc name:	015S015E17M003M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.623006
Longitude:	-120.3696073	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	184.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19510727	Welldepth:	819
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

28
ENE
1 - 2 Miles
Lower

CA WELLS CADW60000029266

Objectid:	29266
Latitude:	36.6178
Longitude:	-120.3246
Site code:	366178N1203246W001
State well numbe:	15S15E15Q001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029266

29
South
1 - 2 Miles
Higher

CA WELLS CADW60000025524

Objectid:	25524
Latitude:	36.585029
Longitude:	-120.351963
Site code:	365856N1203521W001
State well numbe:	15S15E33D001M
Local well name:	'15S/15E-33D01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025524

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

H30
SE
1 - 2 Miles
Higher

CA WELLS CADW60000025517

Objectid: 25517
 Latitude: 36.5889
 Longitude: -120.3338
 Site code: 365889N1203338W001
 State well numbe: 15S15E27N001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025517

31
NW
1 - 2 Miles
Higher

FED USGS USGS40000175486

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363728120220601		
Monloc name:	015S015E17M001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6243949
Longitude:	-120.3693296	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	184.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	1030
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

H32
SE
1 - 2 Miles
Higher

FED USGS USGS40000175081

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363519120195801		
Monloc name:	015S015E27N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5885617
Longitude:	-120.333771	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	189.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480101	Welldepth:	589
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	131.00	

I33
North
1 - 2 Miles
Lower

FED USGS USGS40000175564

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363752120210401		
Monloc name:	015S015E17A001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6310615
Longitude:	-120.3521069	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	174.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above E-Clay		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	420
Construction date:	19550322	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

I34
North
1 - 2 Miles
Lower

FED USGS USGS40000175572

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363754120210701		
Monloc name:	015S015E17A003M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.631617
Longitude:	-120.3529403	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	174.0
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1986-04-03	5.98	

I35
North
1 - 2 Miles
Lower

CA WELLS CADW60000007412

Objectid:	7412
Latitude:	36.6317
Longitude:	-120.3524
Site code:	366317N1203524W001
State well numbe:	15S15E17A001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000007412

I36
North
1 - 2 Miles
Lower

FED USGS USGS40000175579

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363755120210301	
Monloc name: 015S014E17A003M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6318948
Longitude: -120.3518292	Sourcemap scale: Not Reported
Horiz Acc measure: Unknown	Horiz Acc measure units: Unknown
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: Not Reported
Welldepth units: Not Reported	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 0

37
North
1 - 2 Miles
Lower

FED USGS USGS40000175589

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363756120210401	
Monloc name: 015S015E17A002M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6321726
Longitude: -120.352107	Sourcemap scale: 24000
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 173.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Interpolated from topographic map	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	20
Construction date:	19600101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

J38
South
1 - 2 Miles
Higher

CA WELLS CADW60000025526

Objectid:	25526
Latitude:	36.5817
Longitude:	-120.3516
Site code:	365817N1203516W001
State well numbe:	15S15E33E002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025526

J39
South
1 - 2 Miles
Higher

CA WELLS CADW60000025525

Objectid:	25525
Latitude:	36.5817
Longitude:	-120.3518
Site code:	365817N1203518W001
State well numbe:	15S15E33E001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025525

J40
South
1 - 2 Miles
Higher

FED USGS USGS40000175026

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363454120210301		
Monloc name:	015S015E33E001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5816172
Longitude:	-120.351827	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	199.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19510213	Welldepth:	1188
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	326.00	

J41
South
1 - 2 Miles
Higher

CA WELLS CADW60000025527

Objectid:	25527
Latitude:	36.5814
Longitude:	-120.3521
Site code:	365814N1203521W001
State well numbe:	15S15E33E003M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025527

42
NNW
1 - 2 Miles
Lower

CA WELLS CADW60000029105

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 29105
 Latitude: 36.632725
 Longitude: -120.360583
 Site code: 366328N1203604W001
 State well numbe: 15S15E08Q001M
 Local well name: '15S/15E-08Q01'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029105

K43
NNE
1 - 2 Miles
Lower

FED USGS USGS40000175588

Org. Identifier:	USGS-CA	
Formal name:	USGS California Water Science Center	
Monloc Identifier:	USGS-363756120195501	
Monloc name:	015S015E15D001M	
Monloc type:	Well	
Monloc desc:	Not Reported	
Huc code:	18030012	Drainagearea value: Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units:	Not Reported	Latitude: 36.631617
Longitude:	-120.3343285	Sourcemap scale: 24000
Horiz Acc measure:	1	Horiz Acc measure units: seconds
Horiz Collection method:	Interpolated from map	
Horiz coord refsys:	NAD83	Vert measure val: 167.00
Vert measure units:	feet	Vertacc measure val: 2.5
Vert accmeasure units:	feet	
Vertcollection method:	Interpolated from topographic map	
Vert coord refsys:	NGVD29	Countrycode: US
Aquifername:	Central Valley aquifer system	
Formation type:	Not Reported	
Aquifer type:	Not Reported	
Construction date:	Not Reported	
Welldepth units:	ft	Welldepth: 20
Wellholedepth units:	ft	Wellholedepth: 20

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1986-04-03	4.48	

44
East
1 - 2 Miles
Lower

CA WELLS CADW60000025515

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25515
 Latitude: 36.602678
 Longitude: -120.316161
 Site code: 366022N1203168W001
 State well numbe: 15S15E27A001M
 Local well name: '15S/15E-27A01'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025515

L45
East
1 - 2 Miles
Lower

CA WELLS CADW60000025512

Objectid: 25512
 Latitude: 36.606783
 Longitude: -120.3154
 Site code: 366072N1203154W001
 State well numbe: 15S15E23M001M
 Local well name: '15S/15E-23M01'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025512

M46
NNW
1 - 2 Miles
Higher

CA WELLS CADW60000029269

Objectid: 29269
 Latitude: 36.6322
 Longitude: -120.3663
 Site code: 366322N1203663W001
 State well numbe: 15S15E17D001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029269

L47
East
1 - 2 Miles
Lower

FED USGS USGS40000175291

Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-363625120185101			
Monloc name:	015S015E23M001M			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18030012	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	36.6068949	
Longitude:	-120.31516	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	173.00	
Vert measure units:	feet	Vertacc measure val:	5.	
Vert accmeasure units:	feet			
Vertcollection method:	Interpolated from topographic map			
Vert coord refsys:	NGVD29	Countrycode:	US	
Aquifername:	Central Valley aquifer system			
Formation type:	Not Reported			
Aquifer type:	Not Reported			
Construction date:	19670112	Welldepth:	142	
Welldepth units:	ft	Wellholedepth:	Not Reported	
Wellholedepth units:	Not Reported			

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-01-01	85.00	

M48
NNW
1 - 2 Miles
Higher

FED USGS USGS40000175590

Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-363756120215601			
Monloc name:	015S015E17D002M			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18030012	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	36.6321726	
Longitude:	-120.366552	Sourcemap scale:	24000	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	183.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	110.00	

**49
SE
1 - 2 Miles
Higher**

CA WELLS CADW60000025518

Objectid:	25518
Latitude:	36.588696
Longitude:	-120.324246
Site code:	365889N1203238W001
State well numbe:	15S15E27Q001M
Local well name:	'15S/15E-27Q01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025518

**K50
NNE
1 - 2 Miles
Lower**

FED USGS USGS40000175598

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363757120195701		
Monloc name:	015S015E10N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6324503
Longitude:	-120.3334952	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	167.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480101	Welldepth:	582
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1959-05-01	66.00	

**N51
NNE
1 - 2 Miles
Lower**

CA WELLS CADW60000029107

Objectid:	29107
Latitude:	36.6328
Longitude:	-120.3332
Site code:	366328N1203332W001
State well numbe:	15S15E10N001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029107

**O52
NNW
1 - 2 Miles
Higher**

FED USGS USGS40000175573

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363754120220501		
Monloc name:	015S015E17D001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6316171
Longitude:	-120.369052	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	184.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19470211	Welldepth:	613
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

53
NNE
1 - 2 Miles
Lower

CA WELLS CADW60000032759

Objectid:	32759
Latitude:	36.6321
Longitude:	-120.3313
Site code:	366321N1203313W002
State well numbe:	15S15E15D002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000032759

O54
NNW
1 - 2 Miles
Higher

CA WELLS CADW60000029270

Objectid:	29270
Latitude:	36.6317
Longitude:	-120.3691
Site code:	366317N1203691W001
State well numbe:	15S15E17D002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029270

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

N55
NNE
1 - 2 Miles
Lower

FED USGS USGS40000175637

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363801120195901		
Monloc name:	015S015E09R001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6335614
Longitude:	-120.3340508	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	168.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above E-Clay		
Aquifer type:	Not Reported		
Construction date:	19790712	Welldepth:	200
Welldepth units:	ft	Wellholedepth:	200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1979-07-12	51.00	

P56
NW
2 - 3 Miles
Higher

CA WELLS CADW60000029102

Objectid:	29102		
Latitude:	36.6325		
Longitude:	-120.371		
Site code:	366325N1203710W001		
State well numbe:	15S15E07R001M		
Local well name:	"		
Well use id:	6		
Well use descrip:	Unknown		
County id:	10		
County name:	Fresno		
Basin code:	'5-22.09'		
Basin desc:	Westside		
Dwr region id:	80237		
Dwr region:	South Central Region Office		
Site id:	CADW60000029102		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

P57
NW
2 - 3 Miles
Higher

FED USGS USGS40000175599

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363757120221301		
Monloc name:	015S015E07R001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6324504
Longitude:	-120.3712744	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	185.0
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	9
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 0

58
West
2 - 3 Miles
Higher

CA WELLS CADW60000002170

Objectid:	2170		
Latitude:	36.6039		
Longitude:	-120.3877		
Site code:	366039N1203877W001		
State well numbe:	15S15E19N001M		
Local well name:	"		
Well use id:	6		
Well use descrip:	Unknown		
County id:	10		
County name:	Fresno		
Basin code:	'5-22.09'		
Basin desc:	Westside		
Dwr region id:	80237		
Dwr region:	South Central Region Office		
Site id:	CADW60000002170		

59
NNE
2 - 3 Miles
Lower

CA WELLS CADW60000005918

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 5918
 Latitude: 36.635801
 Longitude: -120.333797
 Site code: 366358N1203338W001
 State well numbe: 15S15E09R003M
 Local well name: '15S/15E-09R03'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000005918

Q60
West
2 - 3 Miles
Higher

FED USGS USGS40000175309

Org. Identifier: USGS-CA Formal name: USGS California Water Science Center Monloc Identifier: USGS-363630120231401 Monloc name: 015S015E19M001M Monloc type: Well Monloc desc: Not Reported Huc code: 18030012 Drainagearea Units: Not Reported Contrib drainagearea units: Not Reported Longitude: -120.3882186 Horiz Acc measure: 1 Horiz Collection method: Interpolated from map Horiz coord refsys: NAD83 Vert measure units: feet Vert accmeasure units: feet Vertcollection method: Interpolated from topographic map Vert coord refsys: NGVD29 Aquifername: Central Valley aquifer system Formation type: Not Reported Aquifer type: Not Reported Construction date: 19510809 Welldepth units: ft Wellholeddepth units: Not Reported	Drainagearea value: Not Reported Contrib drainagearea: Not Reported Latitude: 36.6082838 Sourcemap scale: 24000 Horiz Acc measure units: seconds Vert measure val: 197.00 Vertacc measure val: 5. Countrycode: US Welldepth: 1046 Wellholeddepth: Not Reported
--	---

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1961-05-01	165.00	

Q61
West
2 - 3 Miles
Higher

CA WELLS CADW60000025330

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25330
 Latitude: 36.608188
 Longitude: -120.388221
 Site code: 366000N1203882W001
 State well numbe: 15S15E19M001M
 Local well name: '15S/15E-19M01'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025330

R62
NNW
2 - 3 Miles
Higher

FED USGS USGS40000175666

Org. Identifier: USGS-CA Formal name: USGS California Water Science Center Monloc Identifier: USGS-363808120220801 Monloc name: 015S015E08N002M Monloc type: Well Monloc desc: Not Reported Huc code: 18030012 Drainagearea Units: Not Reported Contrib drainagearea units: Not Reported Longitude: -120.3698856 Horiz Acc measure: 1 Horiz Collection method: Interpolated from map Horiz coord refsys: NAD83 Vert measure units: feet Vert accmeasure units: feet Vertcollection method: Interpolated from topographic map Vert coord refsys: NGVD29 Aquifername: Central Valley aquifer system Formation type: Not Reported Aquifer type: Not Reported Construction date: 19540101 Welldepth units: ft Wellholedepth units: Not Reported	Drainagearea value: Not Reported Contrib drainagearea: Not Reported Latitude: 36.6355059 Sourcemap scale: 24000 Horiz Acc measure units: seconds Vert measure val: 183.00 Vertacc measure val: 5. Countrycode: US Welldepth: 510 Wellholedepth: Not Reported
---	---

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1960-05-01	114.00	

63
ENE
2 - 3 Miles
Lower

FED USGS USGS40000175495

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363730120185401		
Monloc name:	015S015E15H001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6249504
Longitude:	-120.3159942	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	166.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-05-01	5.00	

**R64
NNW
2 - 3 Miles
Higher**

FED USGS USGS40000175672

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363810120220601		
Monloc name:	015S015E08N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6360615
Longitude:	-120.36933	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	183.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	1220
Construction date:	19470101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**65
SE
2 - 3 Miles
Higher**

CA WELLS CADW60000014719

Objectid:	14719
Latitude:	36.5885
Longitude:	-120.3172
Site code:	365885N1203172W001
State well numbe:	15S15E27R001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000014719

**R66
NNW
2 - 3 Miles
Higher**

CA WELLS CADW60000015222

Objectid:	15222
Latitude:	36.6361
Longitude:	-120.3699
Site code:	366361N1203699W001
State well numbe:	15S15E08N001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000015222

**R67
NNW
2 - 3 Miles
Higher**

CA WELLS CADW60000029104

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 29104
Latitude: 36.6361
Longitude: -120.3699
Site code: 366361N1203699W002
State well numbe: 15S15E08N003M
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000029104

S68
WNW
2 - 3 Miles
Higher

CA WELLS CADW60000002169

Objectid: 2169
Latitude: 36.6183
Longitude: -120.3882
Site code: 366183N1203882W001
State well numbe: 15S15E18N001M
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000002169

S69
WNW
2 - 3 Miles
Higher

CA WELLS CADW600000025329

Objectid: 25329
Latitude: 36.6183
Longitude: -120.3882
Site code: 366183N1203882W002
State well numbe: 15S15E18N002M
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 10
County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025329

**S70
 WNW
 2 - 3 Miles
 Higher**

FED USGS USGS40000175407

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363706120231401		
Monloc name:	015S015E18N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6182838
Longitude:	-120.3882189	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	195.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19610101	Welldepth:	175
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**S71
 WNW
 2 - 3 Miles
 Higher**

FED USGS USGS40000175408

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363706120231402		
Monloc name:	015S015E18N002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6182838
Longitude:	-120.3882189	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	195.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	40
Construction date:	19620101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----	-----	-----	-----	-----	-----
1985-01-24	3.71		1962-03-01	37.00	

**T72
NW
2 - 3 Miles
Higher**

CA WELLS CADW60000029101

Objectid:	29101
Latitude:	36.632679
Longitude:	-120.378879
Site code:	366328N1203793W001
State well numbe:	15S15E07Q003M
Local well name:	'15S/15E-07Q03'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029101

**T73
NW
2 - 3 Miles
Higher**

CA WELLS CADW60000029100

Objectid:	29100
Latitude:	36.6331
Longitude:	-120.3785
Site code:	366331N1203785W001
State well numbe:	15S15E07Q002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029100

**U74
WSW
2 - 3 Miles
Higher**

CA WELLS CADW60000025521

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25521
 Latitude: 36.589067
 Longitude: -120.385779
 Site code: 365892N1203857W001
 State well numbe: 15S15E30N004M
 Local well name: '15S/15E-30N04'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025521

T75
NW
2 - 3 Miles
Higher

CA WELLS CADW60000029099

Objectid: 29099
 Latitude: 36.6328
 Longitude: -120.3791
 Site code: 366328N1203791W001
 State well numbe: 15S15E07Q001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029099

T76
NW
2 - 3 Miles
Higher

FED USGS USGS40000175607

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363758120224501		
Monloc name:	015S015E07P001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6327282
Longitude:	-120.3801636	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	190.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above E-Clay		
Aquifer type:	Not Reported		
Construction date:	19580815	Welldepth:	500
Welldepth units:	ft	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

77
WSW
2 - 3 Miles
Higher

CA WELLS CADW60000005202

Objectid:	5202
Latitude:	36.591666
Longitude:	-120.3885
Site code:	365917N1203885W001
State well numbe:	15S15E30N005M
Local well name:	'15S/15E-30N05'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000005202

U78
WSW
2 - 3 Miles
Higher

CA WELLS CADW60000025520

Objectid:	25520
Latitude:	36.5892
Longitude:	-120.3871
Site code:	365892N1203871W001
State well numbe:	15S15E30N002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025520

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

U79
WSW
2 - 3 Miles
Higher

FED USGS USGS40000175086

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363521120231001		
Monloc name:	015S015E30N002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5891172
Longitude:	-120.3871067	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	206.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19530420	Welldepth:	805
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1958-05-01	182.00	

V80
WNW
2 - 3 Miles
Higher

FED USGS USGS40000175501

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363732120231301		
Monloc name:	015S015E18E001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.625506
Longitude:	-120.3879414	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	194.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	1036
Construction date:	19511206	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	135.00	

V81
WNW
2 - 3 Miles
Higher

CA WELLS CADW6000007413

Objectid:	7413
Latitude:	36.6261
Longitude:	-120.3877
Site code:	366261N1203877W001
State well numbe:	15S15E18E001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW6000007413

W82
WNW
2 - 3 Miles
Higher

CA WELLS CADW60000025328

Objectid:	25328
Latitude:	36.627011
Longitude:	-120.387033
Site code:	366272N1205532W001
State well numbe:	15S15E18E004M
Local well name:	'15S/15E-18E04'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025328

W83
WNW
2 - 3 Miles
Higher

FED USGS USGS40000175524

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363736120231101		
Monloc name:	015S015E18E002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6266171
Longitude:	-120.3873859	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	194.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19550701	Welldepth:	1121
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1964-12-01	317.00	

**X84
WSW
2 - 3 Miles
Higher**

FED USGS USGS40000175095

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363522120231501		
Monloc name:	015S015E30N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.589395
Longitude:	-120.3884956	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	206.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	Not Reported		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----	-----	-----
1959-05-01	170.00	

X85
WSW
2 - 3 Miles
Higher

FED USGS USGS40000175096

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363522120231502		
Monloc name:	015S015E19N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.589395
Longitude:	-120.3884956	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	197
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480224	Welldepth:	828
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

X86
WSW
2 - 3 Miles
Higher

CA WELLS CADW60000025519

Objectid:	25519
Latitude:	36.5894
Longitude:	-120.3885
Site code:	365894N1203885W001
State well numbe:	15S15E30N001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025519

**W87
WNW
2 - 3 Miles
Higher**

CA WELLS CADW6000002168

Objectid: 2168
 Latitude: 36.6269
 Longitude: -120.3879
 Site code: 366269N1203879W001
 State well numbe: 15S15E18E002M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000002168

**88
SSW
2 - 3 Miles
Higher**

FED USGS USGS40000174973

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363430120220801	
Monloc name: 015S015E32N002M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.5749506
Longitude: -120.3698832	Sourcemap scale: Not Reported
Horiz Acc measure: Unknown	Horiz Acc measure units: Unknown
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: Not Reported
Welldepth units: Not Reported	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Y89
North
2 - 3 Miles
Lower

FED USGS USGS40000175789

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363846120210201		
Monloc name:	015S015E09D006M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6460614
Longitude:	-120.351552	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860710	Welldepth:	267
Welldepth units:	ft	Wellholedepth:	275
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 34

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-05-07	62.62		1991-07-03	72.58	
1991-02-07	55.74		1990-09-14	46.10	
1990-04-20	31.43		1990-02-28	29.83	
1989-07-27	32.12		1989-06-30	31.32	
1989-05-24	28.64		1989-04-28	30.74	
1989-03-22	30.28		1989-02-23	30.06	
1989-01-24	30.25		1988-11-22	30.21	
1988-10-26	31.92		1988-08	31.65	
1988-07	30.97		1988-06-23	30.28	
1988-05-02	29.57		1988-04-04	29.21	
1988-03	28.66		1988-02	28.76	
1988-01	29.05		1987-12	29.74	
1987-11	30.56		1987-10-05	31.28	
1987-09	31.80		1987-08	31.59	
1987-07	30.67		1987-06	29.84	
1987-05-01	28.86		1987-01	29.1	
1986-11	30.3		1986-07-22	30.38	

Y90
North
2 - 3 Miles
Lower

FED USGS USGS40000175798

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120210201		
Monloc name:	015S015E09D004M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463392
Longitude:	-120.351552	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860701	Welldepth:	130
Welldepth units:	ft	Wellholedepth:	133
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 35

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-05-07	67.89		1991-07-23	71.37	
1991-02-07	54.84		1990-09-14	45.54	
1990-04-20	31.00		1990-02-28	29.46	
1989-07-27	31.68		1989-06-30	30.88	
1989-05-24	30.23		1989-04-28	30.32	
1989-03-22	29.85		1989-02-23	29.63	
1989-01-24	29.77		1988-11-22	30.54	
1988-10-26	29.43		1988-08	31.14	
1988-07	30.44		1988-06-23	29.75	
1988-05-02	29.13		1988-04-04	28.78	
1988-03	28.22		1988-02	28.32	
1988-01	28.63		1987-12	29.30	
1987-11	30.11		1987-10-05	30.81	
1987-09	31.32		1987-08	31.09	
1987-07	30.17		1987-06	29.35	
1987-05-01	28.37		1987-01	28.6	
1986-11	29.8		1986-07-22	29.86	
1986-07-01	30				

Z91
SSE
2 - 3 Miles
Higher

CA WELLS CADW60000002176

Objectid:	2176
Latitude:	36.5742
Longitude:	-120.3257
Site code:	365742N1203257W001
State well numbe:	15S15E34P001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000002176

Y92
North
2 - 3 Miles
Lower

FED USGS

USGS40000175799

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120210401		
Monloc name:	FARM DRAIN 136.0-1.4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463392
Longitude:	-120.3521076	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

93
NW
2 - 3 Miles
Higher

FED USGS

USGS40000175622

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363759120230801		
Monloc name:	015S014E09R002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.633006
Longitude:	-120.3865528	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	Not Reported		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**Y94
North
2 - 3 Miles
Lower**

FED USGS USGS40000175822

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363848120210301		
Monloc name:	015S015E09D005M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.646617
Longitude:	-120.3518298	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860702	Welldepth:	70
Welldepth units:	ft	Wellholedepth:	73
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 33

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-05-07	8.61		1991-07-23	10.30	
1991-02-07	10.55		1990-02-28	9.42	
1989-07-27	8.48		1989-06-30	8.15	
1989-05-24	7.92		1989-04-28	8.06	
1989-03-22	7.89		1989-02-23	8.02	
1989-01-24	7.70		1988-11-22	8.19	
1988-10-26	7.92		1988-08	7.44	
1988-07	7.23		1988-06-23	7.17	
1988-05-02	7.34		1988-04-04	7.29	
1988-03	7.31		1988-02	7.54	
1988-01	8.00		1987-12	7.87	
1987-11	7.68		1987-10-05	7.48	
1987-09	6.93		1987-08	6.61	
1987-07	6.05		1987-06	5.87	
1987-05-01	6.00		1987-01	7.3	
1986-11	7.4		1986-07-22	6.43	
1986-07-02	7				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Y95
North
2 - 3 Miles
Lower

FED USGS USGS40000175823

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363848120210302		
Monloc name:	015S015E09D007M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.646617
Longitude:	-120.3518298	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19870416	Welldepth:	27.9
Welldepth units:	ft	Wellholedepth:	27.9
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 31

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-05-07	5.73		1991-07-23	6.32	
1991-02-07	8.13		1990-09-14	8.04	
1990-04-20	8.67		1990-02-28	8.92	
1989-07-27	8.68		1989-06-30	8.43	
1989-05-24	8.20		1989-04-28	8.36	
1989-03-22	8.01		1989-02-23	8.30	
1989-01-24	8.48		1988-11-22	8.58	
1988-10-26	8.29		1988-08	7.56	
1988-07	7.08		1988-06-23	7.02	
1988-05-02	7.27		1988-04-04	7.24	
1988-03	7.14		1988-02	7.39	
1988-01	8.07		1987-12	7.87	
1987-11	7.71		1987-10-05	7.55	
1987-09	7.30		1987-08	7.04	
1987-07	6.11		1987-06	5.86	
1987-05-13	5.80				

Y96
North
2 - 3 Miles
Lower

FED USGS USGS40000175824

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363848120210501		
Monloc name:	015S015E08A001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.646617
Longitude:	-120.3523854	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860714	Welldepth:	487
Welldepth units:	ft	Wellholedepth:	487
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 33

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-05-07	72.56		1991-07-23	91.85	
1991-02-07	63.90		1990-09-14	57.28	
1990-04-20	36.04		1990-02-28	32.13	
1989-07-27	37.91		1989-06-30	35.93	
1989-05-24	34.08		1989-04-28	34.49	
1989-03-22	33.20		1989-02-23	31.86	
1989-01-24	32.16		1988-11-22	33.24	
1988-10-26	35.21		1988-08	36.77	
1988-07	35.28		1988-06-23	34.07	
1988-05-02	32.34		1988-04-04	32.06	
1988-03	29.80		1988-02	29.43	
1988-01	29.98		1987-12	31.04	
1987-11	32.71		1987-10-05	34.44	
1987-09	36.37		1987-08	39.21	
1987-07	34.68		1987-05-01	30.75	
1987-01	29.7		1986-11	31.8	
1986-07-22	33.42				

Y97
North
2 - 3 Miles
Lower

CA WELLS CADW60000000858

Objectid:	858
Latitude:	36.646664
Longitude:	-120.35175
Site code:	366467N1203518W004
State well numbe:	15S15E09D006M
Local well name:	'15S/15E-09D06'
Well use id:	1
Well use descrip:	Observation
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000000858

98
NE
2 - 3 Miles
Lower

FED USGS USGS40000175587

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363756120184001		
Monloc name:	015S015E11N002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6321725
Longitude:	-120.3121055	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	164.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19640101	Welldepth:	500
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Y99
North
2 - 3 Miles
Lower

CA WELLS CADW60000000859

Objectid: 859
 Latitude: 36.64669
 Longitude: -120.35178
 Site code: 366467N1203518W005
 State well numbe: 15S15E09D007M
 Local well name: '15S/15E-09D07'
 Well use id: 1
 Well use descrip: Observation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000000859

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Y100
North
2 - 3 Miles
Lower

CA WELLS CADW60000029106

Objectid: 29106
 Latitude: 36.6467
 Longitude: -120.3516
 Site code: 366467N1203516W001
 State well numbe: 15S15E09D001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029106

Y101
North
2 - 3 Miles
Lower

CA WELLS CADW60000014549

Objectid: 14549
 Latitude: 36.6467
 Longitude: -120.3516
 Site code: 366467N1203516W003
 State well numbe: 15S15E09D003M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000014549

Y102
North
2 - 3 Miles
Lower

CA WELLS CADW60000007406

Objectid: 7406
 Latitude: 36.6467
 Longitude: -120.3516
 Site code: 366467N1203516W002
 State well numbe: 15S15E09D002M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000007406

Y103
North
2 - 3 Miles
Lower

CA WELLS CADW60000031312

Objectid: 31312
 Latitude: 36.6467
 Longitude: -120.3518
 Site code: 366467N1203518W001
 State well numbe: 15S15E08A002M
 Local well name: '15S15E08A002M'
 Well use id: 1
 Well use descrip: Observation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW600000031312

Y104
North
2 - 3 Miles
Lower

CA WELLS CADW60000000426

Objectid: 426
 Latitude: 36.6467
 Longitude: -120.3518
 Site code: 366467N1203518W002
 State well numbe: 15S15E08A005M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000000426

Y105
North
2 - 3 Miles
Lower

CA WELLS CADW60000005110

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 5110
 Latitude: 36.646711
 Longitude: -120.351764
 Site code: 366467N1203518W003
 State well numbe: 15S15E09D005M
 Local well name: '15S/15E-09D05'
 Well use id: 1
 Well use descrip: Observation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000005110

Y106
North
2 - 3 Miles
Lower

CA WELLS CADW60000031510

Objectid: 31510
 Latitude: 36.646716
 Longitude: -120.351695
 Site code: 366468N1203505W001
 State well numbe: 15S15E09D004M
 Local well name: '15S/15E-09D04'
 Well use id: 1
 Well use descrip: Observation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000031510

Y107
North
2 - 3 Miles
Lower

CA WELLS CADW60000015628

Objectid: 15628
 Latitude: 36.646723
 Longitude: -120.351914
 Site code: 366470N1203520W001
 State well numbe: 15S15E08A001M
 Local well name: '15S/15E-08A01'
 Well use id: 1
 Well use descrip: Observation
 County id: 10
 County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000015628

108
North
2 - 3 Miles
Lower

FED USGS USGS40000175797

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363847120203001	
Monloc name: FARM DRAIN 136.0-0.9	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6463392
Longitude: -120.3426628	Sourcemap scale: Not Reported
Horiz Acc measure: Unknown	Horiz Acc measure units: Unknown
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: Not Reported
Welldepth units: Not Reported	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 0

AA109
North
2 - 3 Miles
Lower

CA WELLS CADW60000003999

Objectid: 3999
 Latitude: 36.646775
 Longitude: -120.350502
 Site code: 366468N1203505W002
 State well numbe: 15S15E09D008M
 Local well name: '15S/15E-09D08'
 Well use id: 1
 Well use descrip: Observation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000003999

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Z110
SSE
2 - 3 Miles
Higher

CA WELLS CADW60000025528

Objectid: 25528
 Latitude: 36.574028
 Longitude: -120.324994
 Site code: 365739N1203252W001
 State well numbe: 15S15E34P003M
 Local well name: '15S/15E-34P03'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025528

AA111
North
2 - 3 Miles
Lower

FED USGS USGS40000175838

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-363850120210201
 Monloc name: 015S015E09D001M
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18030012 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 36.6471725
 Longitude: -120.351552 Sourcemap scale: 24000
 Horiz Acc measure: 1 Horiz Acc measure units: seconds
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83 Vert measure val: 173.00
 Vert measure units: feet Vertacc measure val: 5.
 Vert accmeasure units: feet
 Vertcollection method: Interpolated from topographic map
 Vert coord refsys: NGVD29 Countrycode: US
 Aquifername: Central Valley aquifer system
 Formation type: Not Reported
 Aquifer type: Not Reported
 Construction date: 19620101 Welldepth: 30
 Welldepth units: ft Wellholedepth: Not Reported
 Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1962-03-01	1.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AA112
North
2 - 3 Miles
Lower

FED USGS USGS40000175839

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363850120210202		
Monloc name:	015S015E09D002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6471725
Longitude:	-120.351552	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19630611	Welldepth:	524
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1963-07-01	65.00	

AA113
North
2 - 3 Miles
Lower

FED USGS USGS40000175840

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363850120210203		
Monloc name:	015S015E09D003M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6471725
Longitude:	-120.351552	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	173.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	250
Construction date:	19630512	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1963-07-01	38.00	

AA114
North
2 - 3 Miles
Lower

CA WELLS CADW60000029094

Objectid:	29094
Latitude:	36.6472
Longitude:	-120.3516
Site code:	366472N1203516W001
State well numbe:	15S15E04N001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029094

AB115
NNW
2 - 3 Miles
Lower

FED USGS USGS40000175800

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120213401		
Monloc name:	015S015E08B001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463392
Longitude:	-120.3604412	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	179.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	533
Construction date:	19610101	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AB116
NNW
2 - 3 Miles
Lower

FED USGS USGS40000175801

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120213501		
Monloc name:	FARM DRAIN 136.0-1.9		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463392
Longitude:	-120.360719	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AC117
WSW
2 - 3 Miles
Higher

CA WELLS CADW60000014545

Objectid:	14545
Latitude:	36.589006
Longitude:	-120.393317
Site code:	365892N1203935W001
State well numbe:	15S14E25Q001M
Local well name:	'15S/14E-25Q01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000014545

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

118
NW
2 - 3 Miles
Higher

CA WELLS CADW60000029098

Objectid: 29098
Latitude: 36.639833
Longitude: -120.378767
Site code: 366400N1203788W001
State well numbe: 15S15E07G001M
Local well name: '15S/15E-07G01'
Well use id: 3
Well use descrip: Irrigation
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000029098

AD119
SSE
2 - 3 Miles
Higher

CA WELLS CADW60000002177

Objectid: 2177
Latitude: 36.5742
Longitude: -120.3232
Site code: 365742N1203232W001
State well numbe: 15S15E34Q001M
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000002177

AD120
SSE
2 - 3 Miles
Higher

FED USGS USGS40000174958

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363427120192001		
Monloc name:	015S015E34Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5741173
Longitude:	-120.3232145	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	204.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19540101	Welldepth:	1161
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	151.00	

AC121
WSW
2 - 3 Miles
Higher

FED USGS USGS40000175087

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363521120233401		
Monloc name:	015S014E25Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5891172
Longitude:	-120.3937736	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	210.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19560101	Welldepth:	800
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	212.00	

AE122
SW
2 - 3 Miles
Higher

CA WELLS CADW60000025523

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25523
 Latitude: 36.5744
 Longitude: -120.3774
 Site code: 365744N1203774W001
 State well numbe: 15S15E31Q002M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025523

AB123
NNW
2 - 3 Miles
Lower

FED USGS USGS40000175825

Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-363848120213701			
Monloc name:	015S015E08C001M			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18030012	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	36.646617	
Longitude:	-120.3612746	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	179.00	
Vert measure units:	feet	Vertacc measure val:	5.	
Vert accmeasure units:	feet			
Vertcollection method:	Interpolated from topographic map			
Vert coord refsys:	NGVD29	Countrycode:	US	
Aquifername:	Central Valley aquifer system			
Formation type:	Not Reported			
Aquifer type:	Not Reported			
Construction date:	19470101	Welldepth:	531	
Welldepth units:	ft	Wellholedepth:	Not Reported	
Wellholedepth units:	Not Reported			

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1960-05-01	93.00	

AB124
NNW
2 - 3 Miles
Lower

CA WELLS CADW60000029103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 29103
 Latitude: 36.6467
 Longitude: -120.3613
 Site code: 366467N1203613W001
 State well numbe: 15S15E08C001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029103

125
NW
2 - 3 Miles
Higher

FED USGS USGS40000175600

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363757120231701		
Monloc name:	015S014E12R001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6324504
Longitude:	-120.3890529	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	195.0
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	20
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1986-04-03	6.72	

AF126
NNE
2 - 3 Miles
Lower

FED USGS USGS40000175788

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363846120200201		
Monloc name:	015S015E09A001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6460614
Longitude:	-120.3348847	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	166.0
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	28
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AB127
NNW
2 - 3 Miles
Lower

CA WELLS CADW60000007405

Objectid:	7405
Latitude:	36.6469
Longitude:	-120.361
Site code:	366469N1203610W001
State well numbe:	15S15E05P001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000007405

AB128
NNW
2 - 3 Miles
Lower

CA WELLS CADW60000000755

Objectid:	755
Latitude:	36.647083
Longitude:	-120.360594
Site code:	366471N1203606W001
State well numbe:	15S15E05Q001M
Local well name:	'15S/15E-05Q01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000000755

AF129
NNE
2 - 3 Miles
Lower

FED USGS USGS40000175787

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363846120200001		
Monloc name:	015S015E10D001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6460614
Longitude:	-120.3343291	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	165.4
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	18
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AE130
SW
2 - 3 Miles
Higher

CA WELLS CADW60000000757

Objectid: 757
 Latitude: 36.57425
 Longitude: -120.378104
 Site code: 365743N1203781W001
 State well numbe: 15S15E31Q003M
 Local well name: '15S/15E-31Q03'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000000757

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AF131
NNE
2 - 3 Miles
Lower

FED USGS USGS40000175796

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120195801		
Monloc name:	FARM DRAIN 136.0-0.4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463392
Longitude:	-120.3337736	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AG132
SW
2 - 3 Miles
Higher

CA WELLS CADW60000025522

Objectid:	25522
Latitude:	36.5744
Longitude:	-120.3791
Site code:	365744N1203791W001
State well numbe:	15S15E31Q001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025522

AG133
SW
2 - 3 Miles
Higher

FED USGS USGS40000174962

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363428120224201		
Monloc name:	015S015E31Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.574395
Longitude:	-120.379328	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	219.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19510101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	355.00	

134
South
2 - 3 Miles
Higher

CA WELLS CADW60000010860

Objectid:	10860
Latitude:	36.566589
Longitude:	-120.352811
Site code:	365672N1203527W001
State well numbe:	16S15E05J001M
Local well name:	'16S/15E-05J01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000010860

135
NNW
2 - 3 Miles
Higher

FED USGS USGS40000175802

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120220801		
Monloc name:	FARM DRAIN 136.0-2.4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463392
Longitude:	-120.369886	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

136
East
2 - 3 Miles
Lower

CA WELLS CADW60000032060

Objectid:	32060
Latitude:	36.603113
Longitude:	-120.297563
Site code:	366032N1202976W001
State well numbe:	15S15E24N001M
Local well name:	'15S/15E-24N01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000032060

AH137
NNE
2 - 3 Miles
Lower

FED USGS USGS40000175795

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363847120193301		
Monloc name:	FARM DRAIN 136.0-0.01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6463391
Longitude:	-120.3268289	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map	Vert measure val:	Not Reported
Horiz coord refsys:	NAD83	Vertacc measure val:	Not Reported
Vert measure units:	Not Reported	Countrycode:	US
Vert accmeasure units:	Not Reported	Welldepth:	Not Reported
Vertcollection method:	Not Reported	Wellholedepth:	Not Reported
Vert coord refsys:	Not Reported		
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	Not Reported		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AH138
NNE
2 - 3 Miles
Lower

FED USGS USGS40000175821

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363848120193501		
Monloc name:	SLD COLLECTOR @ MI 136.0		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6466169
Longitude:	-120.3273844	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AI139
SE
2 - 3 Miles
Higher

CA WELLS CADW60000025530

Objectid:	25530		
Latitude:	36.574308		
Longitude:	-120.31556		
Site code:	365742N1203157W001		
State well numbe:	15S15E35N001M		
Local well name:	'15S/15E-35N01'		
Well use id:	1		
Well use descrip:	Observation		
County id:	10		
County name:	Fresno		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025530

AI140
SE
3 - 4 Miles
Higher

FED USGS USGS40000174957

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363427120185201		
Monloc name:	015S015E35N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5741173
Longitude:	-120.3154364	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	203.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480301	Welldepth:	833
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	141.00	

141
NNE
3 - 4 Miles
Lower

CA WELLS CADW60000007404

Objectid: 7404
 Latitude: 36.6469
 Longitude: -120.3243
 Site code: 366469N1203243W001
 State well numbe: 15S15E03Q001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000007404

142
NNW
3 - 4 Miles
Higher

FED USGS USGS40000175803

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363847120224201	
Monloc name: FARM DRAIN 136.0-2.9	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6463392
Longitude: -120.3793308	Sourcemap scale: Not Reported
Horiz Acc measure: Unknown	Horiz Acc measure units: Unknown
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: Not Reported
Vert measure units: Not Reported	Vertacc measure val: Not Reported
Vert accmeasure units: Not Reported	
Vertcollection method: Not Reported	
Vert coord refsys: Not Reported	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: Not Reported
Welldepth units: Not Reported	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 0

AJ143
West
3 - 4 Miles
Higher

FED USGS USGS40000175242

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363614120241801	
Monloc name: 015S014E24N001M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6038394
Longitude: -120.4059969	Sourcemap scale: Not Reported
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 204.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Interpolated from topographic map	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	995
Construction date:	19580101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	200.00	

AJ144
West
3 - 4 Miles
Higher

CA WELLS CADW60000024529

Objectid:	24529
Latitude:	36.603671
Longitude:	-120.406296
Site code:	366039N1204068W001
State well numbe:	15S14E24N001M
Local well name:	'15S/14E-24N01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000024529

AK145
ESE
3 - 4 Miles
Higher

CA WELLS CADW60000025529

Objectid:	25529
Latitude:	36.5836
Longitude:	-120.3013
Site code:	365836N1203013W001
State well numbe:	15S15E35H001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025529

AL146
ESE
3 - 4 Miles
Higher

CA WELLS CADW60000002175

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 2175
Latitude: 36.588946
Longitude: -120.297779
Site code: 365883N1202893W001
State well numbe: 15S15E25N004M
Local well name: '15S/15E-25N04'
Well use id: 3
Well use descrip: Irrigation
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000002175

AL147
ESE
3 - 4 Miles
Higher

CA WELLS CADW60000000756

Objectid: 756
Latitude: 36.588812
Longitude: -120.29777
Site code: 365888N1202978W002
State well numbe: 15S15E25N006M
Local well name: '15S/15E-25N06'
Well use id: 1
Well use descrip: Observation
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000000756

AL148
ESE
3 - 4 Miles
Higher

CA WELLS CADW60000015516

Objectid: 15516
Latitude: 36.588812
Longitude: -120.297762
Site code: 365888N1202978W001
State well numbe: 15S15E25N005M
Local well name: '15S/15E-25N05'
Well use id: 1
Well use descrip: Observation
County id: 10
County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000015516

149
SW
3 - 4 Miles
Higher

FED USGS USGS40000174959

Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-363427120231701			
Monloc name:	016S014E01A001M			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18030012	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	36.5741172	
Longitude:	-120.3890506	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	229.00	
Vert measure units:	feet	Vertacc measure val:	5	
Vert accmeasure units:	feet			
Vertcollection method:	Interpolated from topographic map			
Vert coord refsys:	NGVD29	Countrycode:	US	
Aquifername:	Central Valley aquifer system			
Formation type:	Not Reported			
Aquifer type:	Not Reported			
Construction date:	19850109	Welldepth:	Not Reported	
Welldepth units:	Not Reported	Wellholedepth:	19.4	
Wellholedepth units:	ft			

Ground-water levels, Number of Measurements: 0

AL150
ESE
3 - 4 Miles
Higher

CA WELLS CADW60000002174

Objectid: 2174
 Latitude: 36.5886
 Longitude: -120.2974
 Site code: 365886N1202974W001
 State well numbe: 15S15E25N001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000002174

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AL151
ESE
3 - 4 Miles
Higher

CA WELLS CADW60000025513

Objectid: 25513
 Latitude: 36.5886
 Longitude: -120.2974
 Site code: 365886N1202974W002
 State well numbe: 15S15E25N002M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025513

AL152
ESE
3 - 4 Miles
Higher

FED USGS USGS40000175079

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363519120174701	
Monloc name: 015S015E25N001M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.5885617
Longitude: -120.2973807	Sourcemap scale: 24000
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 180.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Interpolated from topographic map	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Alluvium Above E-Clay	
Aquifer type: Not Reported	
Construction date: 19480101	Welldepth: 532
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1960-05-01	93.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AL153
ESE
3 - 4 Miles
Higher

FED USGS USGS40000175080

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363519120174702		
Monloc name:	015S015E25N002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5885617
Longitude:	-120.2973807	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	180.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19640101	Welldepth:	494
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AM154
SSE
3 - 4 Miles
Higher

CA WELLS CADW60000010859

Objectid:	10859
Latitude:	36.563025
Longitude:	-120.334004
Site code:	365631N1203338W001
State well numbe:	16S15E03M001M
Local well name:	'16S/15E-03M01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000010859

AK155
ESE
3 - 4 Miles
Higher

FED USGS USGS40000175042

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363459120180001		
Monloc name:	015S015E35H001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5830062
Longitude:	-120.3009917	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	188.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	400
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-05-01	34.00	

AM156
SSE
3 - 4 Miles
Higher

FED USGS USGS40000174856

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363347120195801		
Monloc name:	016S015E03M001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5630062
Longitude:	-120.33377	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	218.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	656
Construction date:	19660101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1966-04-01	260.00	

AN157
ENE
3 - 4 Miles
Lower

FED USGS USGS40000175537

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363742120174801		
Monloc name:	015S015E14A001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6282836
Longitude:	-120.2976603	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	164.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19480101	Welldepth:	627
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1951-04-01	53.00	

158
WNW
3 - 4 Miles
Higher

CA WELLS CADW60000025972

Objectid:	25972
Latitude:	36.618104
Longitude:	-120.406688
Site code:	366183N1204068W001
State well numbe:	15S14E14R001M
Local well name:	'15S/14E-14R01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025972

AN159
ENE
3 - 4 Miles
Lower

CA WELLS CADW60000029265

Objectid: 29265
 Latitude: 36.6292
 Longitude: -120.2977
 Site code: 366292N1202977W001
 State well numbe: 15S15E14A001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.07'
 Basin desc: Delta-Mendota
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029265

160
West
3 - 4 Miles
Higher

FED USGS USGS40000175937

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363902120242532		
Monloc name:	015S014E02 MF-6.40		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.600506
Longitude:	-120.4079413	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	210
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860205	Welldepth:	40
Welldepth units:	ft	Wellholedepth:	40
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

161
SSW
3 - 4 Miles
Higher

FED USGS USGS40000174883

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363401120224401		
Monloc name:	016S015E06G001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.566895
Longitude:	-120.3798833	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	237.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19590101	Welldepth:	616
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

162
SE
3 - 4 Miles
Higher

CA WELLS CADW60000002178

Objectid:	2178
Latitude:	36.574196
Longitude:	-120.307979
Site code:	365742N1203077W001
State well numbe:	15S15E35P001M
Local well name:	'15S/15E-35P01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000002178

AO163
WNW
3 - 4 Miles
Higher

CA WELLS CADW60000025971

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25971
 Latitude: 36.6228
 Longitude: -120.4068
 Site code: 366228N1204068W001
 State well numbe: 15S14E14J001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000025971

**AO164
WNW
3 - 4 Miles
Higher**

FED USGS USGS40000175470

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363722120242101	
Monloc name: 015S014E14J001M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6227282
Longitude: -120.406831	Sourcemap scale: Not Reported
Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 207.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Interpolated from topographic map	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: Central Valley aquifer system	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: 19130101	Welldepth: 1010
Welldepth units: ft	Wellholedepth: Not Reported
Wellholedepth units: Not Reported	

Ground-water levels, Number of Measurements: 0

**AO165
WNW
3 - 4 Miles
Higher**

FED USGS USGS40000175471

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-363722120242102	
Monloc name: 015S014E14J002M	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18030012	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 36.6227282
Longitude: -120.406831	Sourcemap scale: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	207.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19410101	Welldepth:	825
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AP166
NE
3 - 4 Miles
Lower

CA WELLS CADW60000029108

Objectid:	29108
Latitude:	36.6383
Longitude:	-120.3027
Site code:	366383N1203027W001
State well numbe:	15S15E11K001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.07'
Basin desc:	Delta-Mendota
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029108

AP167
NE
3 - 4 Miles
Lower

FED USGS USGS40000175696

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363820120180601		
Monloc name:	015S015E11K001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6388391
Longitude:	-120.302661	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	163.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	910
Construction date:	19510101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AQ168
ENE
3 - 4 Miles
Lower

CA WELLS CADW60000029263

Objectid:	29263
Latitude:	36.6319
Longitude:	-120.2966
Site code:	366319N1202966W001
State well numbe:	15S15E13D002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.07'
Basin desc:	Delta-Mendota
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029263

169
SSE
3 - 4 Miles
Higher

CA WELLS CADW60000007723

Objectid:	7723
Latitude:	36.566383
Longitude:	-120.316325
Site code:	365661N1203168W001
State well numbe:	16S15E03J001M
Local well name:	'16S/15E-03J01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000007723

AQ170
ENE
3 - 4 Miles
Lower

FED USGS USGS40000175571

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363754120174201		
Monloc name:	015S015E13D002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.631617
Longitude:	-120.2959937	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	164.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19511120	Welldepth:	1008
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1965-12-01	196.00	

AR171
NW
3 - 4 Miles
Higher

CA WELLS CADW60000029096

Objectid:	29096
Latitude:	36.6472
Longitude:	-120.3877
Site code:	366472N1203877W001
State well numbe:	15S15E06N001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029096

AR172
NW
3 - 4 Miles
Higher

FED USGS USGS40000175841

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363850120231301		
Monloc name:	015S015E06N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6471726
Longitude:	-120.3879423	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	192.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19471002	Welldepth:	1321
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1959-03-01	106.00	

AS173
SSW
3 - 4 Miles
Higher

FED USGS USGS40000174862

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363350120224401		
Monloc name:	016S015E06K001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5638395
Longitude:	-120.3798831	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	243.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	1083
Construction date:	19610101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1968-12-01	299.00	

**AT174
SW
3 - 4 Miles
Higher**

FED USGS USGS40000174966

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363429120234401		
Monloc name:	015S014E36Q002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5746728
Longitude:	-120.3965509	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	238.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19510101	Welldepth:	1750
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-04-01	364.00	

**175
NW
3 - 4 Miles
Higher**

FED USGS USGS40000175704

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363822120234901		
Monloc name:	FARM DRAIN 136.0-3.9S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6393949
Longitude:	-120.3979424	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**176
NW
3 - 4 Miles
Higher**

FED USGS USGS40000175832

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363849120231701		
Monloc name:	015S014E01R001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6468948
Longitude:	-120.3890534	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	192.0
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	11
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1986-04-02	10.60	

**AS177
SSW
3 - 4 Miles
Higher**

CA WELLS CADW60000007724

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 7724
 Latitude: 36.56335
 Longitude: -120.379633
 Site code: 365639N1203796W001
 State well numbe: 16S15E06K001M
 Local well name: '16S/15E-06K01'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000007724

AT178
SW
3 - 4 Miles
Higher

CA WELLS CADW60000029092

Objectid: 29092
 Latitude: 36.5744
 Longitude: -120.3968
 Site code: 365744N1203968W001
 State well numbe: 15S14E36Q002M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000029092

AT179
SW
3 - 4 Miles
Higher

FED USGS USGS40000174967

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363429120234701		
Monloc name:	015S014E36Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5746728
Longitude:	-120.3973843	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	239.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19450101	Welldepth:	1600
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1951-04-01	238.00	

AU180
SE
3 - 4 Miles
Higher

CA WELLS CADW60000025531

Objectid:	25531
Latitude:	36.5742
Longitude:	-120.3018
Site code:	365742N1203018W001
State well numbe:	15S15E35R001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025531

AU181
SE
3 - 4 Miles
Higher

CA WELLS CADW60000000660

Objectid:	660
Latitude:	36.574117
Longitude:	-120.30165
Site code:	365741N1203017W001
State well numbe:	15S15E35R003M
Local well name:	'15S/15E-35R03'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000000660

AV182
SSW
3 - 4 Miles
Higher

FED USGS USGS40000174848

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363344120224301		
Monloc name:	016S015E06P002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5621728
Longitude:	-120.3796053	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	248.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19660125	Welldepth:	1089
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1966-06-02	359.00	

AW183
NE
3 - 4 Miles
Lower

CA WELLS CADW60000007407

Objectid: 7407
 Latitude: 36.6386
 Longitude: -120.2988
 Site code: 366386N1202988W001
 State well numbe: 15S15E11J001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '5-22.07'
Basin desc: Delta-Mendota
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000007407

AX184
WNW
3 - 4 Miles
Higher

CA WELLS **CADW60000036071**

Objectid: 36071
Latitude: 36.632241
Longitude: -120.406016
Site code: 366322N1204060W001
State well numbe: 15S14E13D002M
Local well name: '15S/14E-13D02'
Well use id: 3
Well use descrip: Irrigation
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000036071

AV185
SSW
3 - 4 Miles
Higher

CA WELLS **CADW60000007725**

Objectid: 7725
Latitude: 36.561846
Longitude: -120.379617
Site code: 365622N1203796W001
State well numbe: 16S15E06P002M
Local well name: '16S/15E-06P02'
Well use id: 3
Well use descrip: Irrigation
County id: 10
County name: Fresno
Basin code: '5-22.09'
Basin desc: Westside
Dwr region id: 80237
Dwr region: South Central Region Office
Site id: CADW60000007725

186
NNW
3 - 4 Miles
Higher

FED USGS **USGS40000176091**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363925120220701		
Monloc name:	015S015E05E001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6568947
Longitude:	-120.3696087	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	181.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	260
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1951-09-01	88.00	

AY187
WNW
3 - 4 Miles
Higher

FED USGS USGS40000175499

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363731120243401		
Monloc name:	015S014E14H001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6252282
Longitude:	-120.4104423	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	209.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	900
Construction date:	19570101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	200.00	

AW188
NE
3 - 4 Miles
Lower

FED USGS USGS40000175694

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363820120174901		
Monloc name:	015S015E11J001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6388391
Longitude:	-120.2979386	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	162.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	900
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-11-01	129.00	

AW189
NE
3 - 4 Miles
Lower

FED USGS USGS40000175695

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363820120174902		
Monloc name:	015S015E11J002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6388391
Longitude:	-120.2979386	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	162.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	700
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1954-10-01	61.00	

AY190
WNW
3 - 4 Miles
Higher

CA WELLS CADW60000008021

Objectid:	8021
Latitude:	36.6253
Longitude:	-120.4107
Site code:	366253N1204107W001
State well numbe:	15S14E14H001M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000008021

191
SSW
3 - 4 Miles
Higher

FED USGS USGS40000174818

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363336120223001		
Monloc name:	016S015E06P001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5599506
Longitude:	-120.3759939	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	254.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Alluvium Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19590101	Welldepth:	1890
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**192
SSE
3 - 4 Miles
Higher**

CA WELLS CADW60000007722

Objectid:	7722
Latitude:	36.562863
Longitude:	-120.315842
Site code:	365628N1203129W001
State well numbe:	16S15E02N005M
Local well name:	'16S/15E-02N05'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000007722

**AX193
WNW
3 - 4 Miles
Higher**

FED USGS USGS40000175608

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363758120242201		
Monloc name:	015S014E11R001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6327282
Longitude:	-120.407109	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	208.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	205
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

194
NW
3 - 4 Miles
Higher

CA WELLS CADW60000029097

Objectid:	29097
Latitude:	36.6508
Longitude:	-120.3877
Site code:	366508N1203877W001
State well numbe:	15S15E06N002M
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000029097

195
ESE
3 - 4 Miles
Lower

CA WELLS CADW60000025514

Objectid:	25514
Latitude:	36.588472
Longitude:	-120.28855
Site code:	365883N1202888W001
State well numbe:	15S15E25Q001M
Local well name:	'15S/15E-25Q01'
Well use id:	3
Well use descrip:	Irrigation
County id:	10
County name:	Fresno
Basin code:	'5-22.09'
Basin desc:	Westside
Dwr region id:	80237
Dwr region:	South Central Region Office
Site id:	CADW60000025514

196
North
3 - 4 Miles
Lower

FED USGS USGS40000176134

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363940120210701		
Monloc name:	015S015E05A001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6610613
Longitude:	-120.3529416	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	170.5
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AZ197
West
3 - 4 Miles
Higher

FED USGS USGS40000175384

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363700120245201		
Monloc name:	015S014E23B003M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6166171
Longitude:	-120.4154422	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	208.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19550101	Welldepth:	810
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-05-01	226.00	

**198
SSW
3 - 4 Miles
Higher**

CA WELLS CADW60000010861

Objectid: 10861
 Latitude: 36.5598
 Longitude: -120.379988
 Site code: 365600N1203804W001
 State well numbe: 16S15E06P001M
 Local well name: '16S/15E-06P01'
 Well use id: 3
 Well use descrip: Irrigation
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000010861

**BA199
WNW
3 - 4 Miles
Higher**

FED USGS USGS40000175417

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363707120245101		
Monloc name:	015S014E14Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6185616
Longitude:	-120.4151645	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	209.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19630101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AZ200
West
3 - 4 Miles
Higher

CA WELLS CADW6000008763

Objectid: 8763
 Latitude: 36.6164
 Longitude: -120.4157
 Site code: 366164N1204157W001
 State well numbe: 15S14E23B003M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW6000008763

AZ201
West
3 - 4 Miles
Higher

CA WELLS CADW60000024901

Objectid: 24901
 Latitude: 36.6172
 Longitude: -120.4157
 Site code: 366172N1204157W001
 State well numbe: 15S14E23B001M
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 10
 County name: Fresno
 Basin code: '5-22.09'
 Basin desc: Westside
 Dwr region id: 80237
 Dwr region: South Central Region Office
 Site id: CADW60000024901

AZ202
West
3 - 4 Miles
Higher

FED USGS USGS40000175388

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363702120245301		
Monloc name:	015S014E23B001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6171727
Longitude:	-120.41572	Sourcemap scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	209.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19490101	Welldepth:	719
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1959-05-01	197.00	

BA203
West
3 - 4 Miles
Higher

FED USGS

USGS40000175396

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363704120245301		
Monloc name:	015S014E23B002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6177282
Longitude:	-120.41572	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	210.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19460101	Welldepth:	685
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1951-03-01	162.00	

204
SW
3 - 4 Miles
Higher

CA WELLS

13237

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	16S/24E-05M02 M	User ID:	54C
FRDS Number:	5400590001	County:	Tulare
District Number:	84	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	363358.0 1202330.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	5400590		
System Name:	GRIGGS STREET NEIGHBORHOOD ASSOCIATION		
Organization That Operates System:			
	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

**205
North
3 - 4 Miles
Lower**

FED USGS USGS40000176158

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363943120205901		
Monloc name:	014S015E33N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6618947
Longitude:	-120.3507193	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	168.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19650101	Welldepth:	21
Welldepth units:	ft	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below	
	Surface	Sealevel

1965-07-01	17.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
East
1/2 - 1 Mile

OIL_GAS CAOG11000272691

District nun:	5	Api number:	01922510
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Conoco Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr SE cor 2000 Nly 700 Wly		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gonzales	Wellnumber:	21-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	20-JUN-86
Welldeptha:	7677		
Redrillfoo:	0		
Abandonedd:	02-JUL-86	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000272691		

2
South
1 - 2 Miles

OIL_GAS CAOG11000270708

District nun:	5	Api number:	01921244
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	28
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr SW cor 1500 N 660 E		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bradford Estate	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	19-APR-79
Welldeptha:	7522		
Redrillfoo:	0		
Abandonedd:	10-MAY-79	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000270708		

3
East
1 - 2 Miles

OIL_GAS CAOG11000268378

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	5	Api number:	01906078
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	22
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	186 DF
Locationde:	Fr SE cor 1650 Wly 1650 Nly @ rt ang		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Henderson	Wellnumber:	66-22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	10-SEP-42
Welldeptha:	12018		
Redrillfoo:	0		
Abandonedd:	06-FEB-43	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268378		

4
SW
1 - 2 Miles

OIL_GAS CAOG11000268377

District nun:	5	Api number:	01906077
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	30
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr SE cor 990 Wly 990 Nly @ rt ang		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Friis Hansen	Wellnumber:	77-30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	21-MAY-51
Welldeptha:	8402		
Redrillfoo:	0		
Abandonedd:	09-JUN-51	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268377		

5
NNW
1 - 2 Miles

OIL_GAS CAOG11000268380

District nun:	5	Api number:	01906080
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	17
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	197 DF
Locationde:	Fr NW cor 330 S 330 E		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1-17
Leasename:	Nicholson	Hydraulica:	N
Epawell:	N	Spuddate:	14-DEC-37
Confidenti:	N		
Welldeptha:	7062		
Redrillfoo:	0		
Abandonedd:	03-FEB-38	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268380		

**6
SSE
2 - 3 Miles**

OIL_GAS CAOG11000270115

District nun:	5	Api number:	01920863
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Quintana Petroleum Corporation		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	33
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr ctr 500 Sly 500 Ely		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gragnani	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	28-MAR-75
Welldeptha:	8000		
Redrillfoo:	0		
Abandonedd:	11-APR-75	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000270115		

**7
East
2 - 3 Miles**

OIL_GAS CAOG11000268376

District nun:	5	Api number:	01906076
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	23
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr SW cor 1400 Nly 660 Ely		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Eliason	Wellnumber:	3-23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	19-MAR-62
Welldeptha:	13010		
Redrillfoo:	0		
Abandonedd:	18-MAY-62	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268376		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

8
NE
2 - 3 Miles

OIL_GAS CAOG11000273628

District nun:	5	Api number:	01923102
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	I
Operator name:	Westlands Water District		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	15
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr NE cor 750 W 470 S		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Adams	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	16-JUN-89
Welldeptha:	8100		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	ADH
Site id:	CAOG11000273628		

9
South
2 - 3 Miles

OIL_GAS CAOG11000268441

District nun:	5	Api number:	01906141
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	4
Township:	16S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr NW cor 990 S 990 E		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Shiells	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	29-JAN-54
Welldeptha:	7755		
Redrillfoo:	0		
Abandonedd:	23-FEB-54	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268441		

10
SW
2 - 3 Miles

OIL_GAS CAOG11000277013

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	5	Api number:	01925302
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hangtown Oil, LLC		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	31
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	231 KB
Locationde:	FR SW Cor 2038 E 1980 N		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	COHO	Wellnumber:	1-31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	16-JAN-12
Welldeptha:	7937		
Redrillfoo:	0		
Abandonedd:	31-JAN-12	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000277013		

**11
West
2 - 3 Miles**

OIL_GAS CAOG11000268375

District nun:	5	Api number:	01906075
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	15S	Range:	14E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr NW cor 1650 Sly 1650 Ely @ rt ang		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Coffin	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	20-JUL-50
Welldeptha:	7407		
Redrillfoo:	0		
Abandonedd:	11-AUG-50	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268375		

**12
ESE
3 - 4 Miles**

OIL_GAS CAOG11000271569

District nun:	5	Api number:	01921746
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	35
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr NE cor 1320 Sly 1320 Wly		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Bravo	Hydraulica:	N
Epawell:	N	Spuddate:	31-OCT-82
Confidenti:	N		
Welldeptha:	12043		
Redrillfoo:	0		
Abandonedd:	10-DEC-82	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000271569		

**13
ESE
3 - 4 Miles**

OIL_GAS CAOG11000268379

District nun:	5	Api number:	01906079
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	35
Township:	15S	Range:	15E
Base meridian:	MD	Elevation:	200 DF
Locationde:	Fr NE cor 1650 Sly 990 Wly @ rt ang		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	S.P.	Wellnumber:	73-35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	03-NOV-43
Welldeptha:	8100		
Redrillfoo:	0		
Abandonedd:	23-JAN-44	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000268379		

**14
SW
3 - 4 Miles**

OIL_GAS CAOG11000272046

District nun:	5	Api number:	01922056
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Cabot Petro. Corp.		
County name:	Fresno	Fieldname:	Any Field
Area name:	Any Area	Section:	36
Township:	15S	Range:	14E
Base meridian:	MD	Elevation:	Not Reported
Locationde:	Fr ctr 500 Sly 500 Wly		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Sumner Peck Ranch	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	23-AUG-84
Welldeptha:	8300		
Redrillfoo:	0		
Abandonedd:	07-SEP-84	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000272046		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93608	1	0

Federal EPA Radon Zone for FRESNO County: 2

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

Federal Area Radon Information for FRESNO COUNTY, CA

Number of sites tested: 100

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.251 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.433 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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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 Public Health

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix D
AGENCY RECORDS
April 28, 2016

**Appendix D
AGENCY RECORDS**

RE Scarlet LLC

RE Scarlet LLC
Cantua Creek, CA 93608

Inquiry Number: 4550794.5
March 03, 2016

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2003	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1992	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1990	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1985	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1980	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

RE Scarlet LLC
Cantua Creek, CA 93608

No Addresses Found

FINDINGS

CROSS STREETS

Year CD Image Source

S DERRICK AVE

2013	pg. A2	Cole Information Services
2008	pg. A4	Cole Information Services
2003	pg. A6	Cole Information Services
1999	pg. A8	Cole Information Services
1995	pg. A9	Cole Information Services
1992	pg. A10	Cole Information Services
1990	pg. A11	Haines Criss-Cross Directory
1985	pg. A12	Haines Criss-Cross Directory
1980	pg. A13	Haines Criss-Cross Directory
1975	pg. A14	Haines Criss-Cross Directory

W MANNING AVE

2013	-	Cole Information Services	Target and Adjoining not listed in Source
2008	-	Cole Information Services	Target and Adjoining not listed in Source
2003	-	Cole Information Services	Target and Adjoining not listed in Source
1999	-	Cole Information Services	Target and Adjoining not listed in Source
1995	-	Cole Information Services	Target and Adjoining not listed in Source
1992	-	Cole Information Services	Target and Adjoining not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

S DERRICK AVE 2013

1 CANTUA CREEK FLORIST & DELIVERY
 10002 RONALD ORFF
 10054 FRANK ORFF
 11882 OCCUPANT UNKNOWN
 11890 OCCUPANT UNKNOWN
 11913 VICTORIANO MODESTO
 11924 OCCUPANT UNKNOWN
 11932 MARTHA GARCIA
 11940 OCCUPANT UNKNOWN
 11944 OCCUPANT UNKNOWN
 11948 BRENDA MENDEZ
 11958 SIMON QUINTANILLA
 11970 EFREN PULIDO
 11973 ALFREDO HERMOSILLO
 11975 OCCUPANT UNKNOWN
 11984 JENNIFER MORRIS
 11986 GUADALUPE ALVAREZ
 11988 SANCHEZ URIAS
 11990 ELIA MENDOZA
 11994 OCCUPANT UNKNOWN
 16013 RAMON BARRIOS
 16021 OCCUPANT UNKNOWN
 16039 OCCUPANT UNKNOWN
 THREE ROCKS CAFE
 16041 RITA GONZALEZ
 16101 JOHN SCHMOLL
 16105 DANIEL AMARAL
 16107 PAULINO JIMENEZ
 16123 OCCUPANT UNKNOWN
 16145 MARIA JIMENEZ
 16161 MONICA MOYA
 16173 DINO CAVAZOS
 JOHN MINNITE
 LYDIA CASTRO
 17000 BLUE RIDGE FARMING INC
 17001 RUBEN URBIETA
 17101 JUAREZ RAMIREZ
 17125 DOUBLE B FARMING LLC
 17526 JASMINE FLORES
 17534 ELIZABETH JUAREZ
 17536 MANUEL MOLINA-RAMIREZ
 17554 NORMA GONZALEZ
 17556 ALBA ESCOBAR
 17568 JOSE HERRERA
 17596 OCCUPANT UNKNOWN
 17598 GERARDO AGUILAR
 17620 E AVILES
 17632 JOSE GONZALEZ
 17648 MIGUEL LOPEZ
 17650 GLORIA CASAREZ

S DERRICK AVE 2013 (Cont'd)

17666	DAVID AGUILAR
17668	LUIS ECHEVERRIA
17684	OCCUPANT UNKNOWN
17704	VIRGINIA CHAVEZ
17706	ARMANDO TORRES
17796	JOSE GUTIERREZ
17820	OCCUPANT UNKNOWN
17836	JUAN GUERRA
17842	GONZALO HERNANDEZ
17844	PEREZ TORRES
17862	JUAN ESCOBAR
17864	OTONIEL GALVAN
17878	ISIDRO ESCOBAR
17898	MARIA CHAVEZ
17909	HALFWAY STORE
17913	GILBERTO MARMOLEJO
17967	GILBERTO MARMOLEJO

S DERRICK AVE 2008

10002	OCCUPANT UNKNOWN
10054	OCCUPANT UNKNOWN
11882	OCCUPANT UNKNOWN
11890	OCCUPANT UNKNOWN
11913	VICTORIANO MODESTO
11924	OCCUPANT UNKNOWN
11932	JESUS MORENO
11940	OCCUPANT UNKNOWN
11944	JUVENAL CAMPOS
11958	SIMON QUINTANILLA
11970	EFREN PULIDO
11973	ALFREDO HERMOSILLO
11975	PABLO MARTINEZ
11986	GUADALUPE ALVAREZ
11996	OCCUPANT UNKNOWN
16013	RAMON BARRIOS
16021	OCCUPANT UNKNOWN
16041	RITA GONZALEZ
16101	JOHN SCHMOLL
16105	DANIEL AMARAL
16107	PAULINO JIMENEZ
16121	JANIS CAVAZOS
16123	JOSE RODRIGUEZ
16125	BERNADETTE MARTINEZ
16127	OCCUPANT UNKNOWN
16143	OCCUPANT UNKNOWN
16145	MARIA JIMENEZ
16161	OCCUPANT UNKNOWN
16173	LYDIA CASTRO
16997	CANTUA COOPERATIVE GIN INC
17000	JOE BROOKS
	LUE RIDGE FARMING INC
	SANCHEZ MORALES
17001	RUBEN URBIETA
17101	OCCUPANT UNKNOWN
17125	DOUBLE B FARMING LLC
17524	OCCUPANT UNKNOWN
17526	OCCUPANT UNKNOWN
17534	LETICIA ARAMBULA
17554	NORMA GONZALEZ
17556	GUADALUPE OLGUIN
17566	DINORA GARCIA
17568	JOSE HERRERA
17596	OCCUPANT UNKNOWN
17598	GERARDO AGUILAR
17634	SALDANA ESCOBAR
17648	MIGUEL LOPEZ
17650	BELINDA ENRIQUEZ
17666	RAMON VENEGAS
17668	LUIS ECHEVERRIA

S DERRICK AVE

2008

(Cont'd)

17684 FABIAN SOLORIO
17686 LUZ MARTINEZ
17704 JOSE CHAVEZ
17706 ARMANDO TORRES
17792 JUAN GUERRA
17796 JOSE GUTIERREZ
17818 OCCUPANT UNKNOWN
17820 OCCUPANT UNKNOWN
17836 JOSE JUAREZ
17842 GONZALO HERNANDEZ
17844 JOSE JUAREZ
JOSE PEREZ
ROLANDO GONZALEZ
17862 JUAN ESCOBAR
17864 OTONIEL GALVAN
17878 OCCUPANT UNKNOWN
17898 MANUEL VELASQUEZ
17909 FERNANDEZ LATICIA
HALFWAY STORE
17913 GILBERTO MARMOLEJO
17967 GILBERTO MARMOLEJO

S DERRICK AVE 2003

10002 OCCUPANT UNKNOWN
10054 OCCUPANT UNKNOWN
11882 OCCUPANT UNKNOWN
11890 OCCUPANT UNKNOWN
11924 OCCUPANT UNKNOWN
11932 JESUS MORENO
11940 OCCUPANT UNKNOWN
11944 JUVENAL CAMPOS
11958 SANTIAGO RAMOS
11970 EFREN PULIDO
11973 OCCUPANT UNKNOWN
11975 PABLO MARTINEZ
11994 OCCUPANT UNKNOWN
11996 OCCUPANT UNKNOWN
16013 OCCUPANT UNKNOWN
16021 OCCUPANT UNKNOWN
16041 OCCUPANT UNKNOWN
16101 GOLDEN PLAINS UNFD SCHL DIST
JOHN SCHMOLL
16107 JOHNNY GUERRERO
16121 OCCUPANT UNKNOWN
16123 JOSE RODRIGUEZ
16125 OCCUPANT UNKNOWN
16127 ABEL CASTILLO
16143 OCCUPANT UNKNOWN
16145 MARIA JIMENEZ
16173 BERNADETTA MINNITE
16997 CANTUA COOP
OCCUPANT UNKNOWN
VALLEY FARM TRANSPORT
17000 BLUE RIDGE FARMING INC
SANCHEZ MORALES
17001 RUBEN URBIETA
17101 OCCUPANT UNKNOWN
17524 ANGELINA PEREZ
17526 OCCUPANT UNKNOWN
17534 JOSE VACA
17536 CARMEN VENEGA
17554 SAMUEL WENCES
17556 ROLANDO GONZALEZ
17566 OCCUPANT UNKNOWN
17568 JOSE HERRERA
17596 OCCUPANT UNKNOWN
17598 GERARDO AGUILAR
17620 E AVILES
17632 JOSE GONZALEZ
17634 OCCUPANT UNKNOWN
17648 MIGUEL LOPEZ
17650 ANTONIO CABRERA
17668 LUIS ECHEVERRIA

-

✓

S DERRICK AVE 2003 (Cont'd)

17684 OCCUPANT UNKNOWN
17686 OCCUPANT UNKNOWN
17704 JOSE CHAVEZ
17706 JOSE JUAREZ
17792 JUAN GUERRA
17796 BERTHA GUTIERREZ
17816 PANTOJA HOLGUIN
17818 OCCUPANT UNKNOWN
17820 OCCUPANT UNKNOWN
17836 OCCUPANT UNKNOWN
17842 RUBEN VENEGAS
17844 JOSE VACA
17862 JOSE AVILES
17864 RAFAEL MENDOZA
17878 OCCUPANT UNKNOWN
17898 OCCUPANT UNKNOWN
17909 OCCUPANT UNKNOWN
17967 GILBERTO MARMOLEJO
21845 MENDOZA CORIA

S DERRICK AVE 1999

10002 RONALD ORFF
10054 FRANK ORFF
11913 VICTORIANO MODESTO
11932 JESUS MORENO
11958 SIMON QUINTANILLA
11970 EFREN PULIDO
11973 ALFREDO HERMOSILLO
11986 GUADALUPE ALVAREZ
16013 RAMON BARRIOS
16041 RITA GONZALEZ
16101 JOHN SCHMOLL
16107 PAULINO JIMENEZ
16123 MONAE GOMEZ
16145 MARIA JIMENEZ
16173 BERNADETTA MINNITE
16997 BLUE HILLS GINNING COMPANY
17000 SANCHEZ MORALES
17001 BLUE RIDGE FARMING
RUBEN URBIETA
17526 YASMINE FLORES
17534 ELIZABETH JUAREZ
17536 MANUEL MOLINA-RAMIREZ
17554 NORMA GONZALEZ
17556 GUADALUPE OLGUIN
17568 JOSE HERRERA
17598 GERARDO AGUILAR
17632 JOSE GONZALEZ
17634 SALDANA ESCOBAR
17648 MIGUEL LOPEZ
17650 BELINDA ENRIQUEZ
17666 DAVID AGUILAR
17668 LUIS ECHEVERRIA
17686 NAYELI OJEDA
17704 JOSE CHAVEZ
17706 ARMANDO TORRES
17796 JOSE GUTIERREZ
17842 GONZALO HERNANDEZ
17844 JUAN GUERRA
PEREZ TORRES
ROLANDO GONZALEZ
17862 JUAN ESCOBAR
17864 OTONIEL GALVAN
17898 MANUEL VELASQUEZ
17909 SAMUEL RUBIO

S DERRICK AVE 1995

- 16013 SULIT, STONEY
THREE ROCKS GROCERY STORE
- 16101 SCHMOLL, JOHN
- 16997 LEE, D C
- 17000 BLUE RIDGE FARMING
- 17101 BROOKS, JEFF
- 17524 AGUILAR, MARCELO L
- 17526 FLORES, M
- 17554 PEREZ, JORGE
- 17566 CEBALLOS, JUAN F
- 17568 HERRERA, G
- 17634 CABRERA, J
- 17685 DELGADO, JUANA
- 17704 CHAVEZ, JOSE
- 17706 RUIZ, E
- 17862 PEREZ, A
- 17909 RUBIO, SAMUEL B

S DERRICK AVE 1992

16037 THREE ROCKS CAFE
16045 DELGADO, F
16101 SCHMOLL, JOHN
16145 BROOKS, MIKE
17101 BROOKS, JEFF
17524 AGUILAR, MARCELO L
17554 PEREZ, JORJE
17568 HERRERA, G
17598 ESCOBAR, LUZ
17632 JUAREZ, MARTIN O
17704 CHAVEZ, JOSE
17706 MEDINA, V
17820 FRAUSTO, F
17842 WUENCES, SAMUEL
17862 FLORES, M
17909 ROBLES, A M
17967 GONZALEZ, YOLANDA

S DERRICK AVE 1990

DERRICK AV S 93608

CANTUA CREEK

10002	ORFF Ronald	698-7868	8
10054	ORFF Frank	698-5536	8
11882	SINGH Dalip	829-6248	4
11890	SAMRA Piara	829-6239	+0
11913	VALDEZ Edulla	829-6200	+0
	VALDEZ Filemon	829-6200	+0
11944	TORRES Anna	829-6710	+0
11958	TORRES Yolanda	829-6705	+0
11994	XXXX	00	
16037	★HAZELS CAFE	829-9981	+0
16045	CANTRELL Sam	829-6460	+0
16145	BROOKS Mike	829-6763	8
16997	★BLUE HILLS GINNG CO	829-3321	+0
	LEE D C	829-6211	9
17001	★BROOKS FARMS	829-6488	5
17101	BROOKS Jeff	829-3375	5
17102	XXXX	00	
17524	AGUILAR Marcelo L	829-6758	9
17534	XXXX	00	
17554	PEREZ Jorge	829-6483	+0
17568	HERRERA Guadalupe	829-6781	+0
17598	ESCOBAR Luz	829-6496	9
17620	XXXX	00	
17634	ALCALA Antonio Z	829-6754	+0
17796	XXXX	00	
18150	★CANTUA FARMS	829-3335	6
	★SCHUH WILLIAM E INC	829-3338	+0
NO #	★CLARK BROS INC	698-7659	+0
NO #	WATTENBARGER Roy A	829-6476	9
★	6 BUS	23 RES	13 NEW

S DERRICK AVE 1985

DERRICK AV 93608 CANTUA CREEK

10002	ORFF RONALD	698-7868	2
11882	SINGH DALIP	829-6248	4
11924	BRAR TEJA	829-6445	+5
11948	XXXX	00	
11984	SINGH AJIT	829-3360	+5
11986	ESPINOZA JESUS	829-6244	+5
11990	GOMEZ JESUS	829-6226	+5
11994	SEGURA CONCEPCION	829-6227	+5
11996	GUTIERREZ LORENZO	829-6245	+5
11998	XXXX	00	
14649	GOMES DAVID M	829-6243	2
16145	XXXX	00	
17001	BROOKS FARMS	829-6488	+5
17101	BROOKS JEFF	829-3375	+5
17102	LOVE EARL	829-6465	+5
17534	DELGADO ARNULFO G	829-3382	4
17556	SOLORIO FABIAN	829-3376	+5
17596	XXXX	00	
17620	AVILES JESUS	829-6400	4
17634	ENRIQUEZ SALVADOR	829-6416	+5
17650	TORRES JUAN	829-6491	+5
17668	XXXX	00	
17792	HUERTA PORFIRO E	829-3365	4
	MANSANALEZ ROY	829-6443	4
17818	ARROLLO JULIAN	829-6223	+5
17864	XXXX	00	
17874	GARCIA PORFIRIO M	829-6268	+5
17878	GONZALEZ MANUEL R	829-6404	+5
17897	VEGA LOURDES	829-3380	+5
33058	SALAZAR GUADALUPE	829-6482	4
NO #	CANTUA FARMS	829-3335	+5
★	2 BUS	29 RES	17 NEW

S DERRICK AVE 1980

DERRICK AV 93608
CANTUA CREEK

11913	RICE STEVEN	829-6268	+0
11996	HUERTA NORBERTO	829-6233	+0
11998	HUERTA GEORGE	829-6296	8
14649	GOMES DAVID M	829-6243	9
NO #	TURRUBIATE A	698-5102	6
★	0 BUS	5 RES	2 NEW

S DERRICK AVE 1975

DERRICK AV 93608 CANTUA CREEK

17792	LOVE EARL A	829-6224+5
NO #	DIAZ ANTONIO G	829-6204+5
NO #	JACOBS JERRY	829-6437+5
NO #	MOORE PAUL	829-3380+5
NO #	SINGH AMARJIT	829-3377+5
*	0 BUS 5 RES	5 NEW



RE Scarlet LLC

RE Scarlet LLC

Cantua Creek, CA 93608

Inquiry Number: 4550794.3

February 29, 2016

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

2/29/16

Site Name:

RE Scarlet LLC
RE Scarlet LLC
Cantua Creek, CA 93608

Client Name:

Stantec
3475 West Shaw #104
Fresno, CA 93711

EDR Inquiry # 4550794.3

Contact: Michael Myers



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: RE Scarlet LLC
Address: RE Scarlet LLC
City, State, Zip: Cantua Creek, CA 93608
Cross Street:
P.O. # NA
Project: 185799000
Certification # B61E-443E-848F



Sanborn® Library search results
Certification # B61E-443E-848F

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 fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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™

Limited Permission To Make Copies

Stantec (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix E
USER PROVIDED RECORDS
April 28, 2016

**Appendix E
USER PROVIDED RECORDS**



PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser, or contiguous property owner*, ASTM standard practice E1527-13 and the Federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec.

1. Property Information

Property Name: RE Scarlet Project Property
Property Address: Fresno County - SR-33 @ Manning Ave
City: n/a State CA Zip _____
Property Owner Name: Westlands Water District
Property Owner Phone #: Russ Freeman
r.freeman@westlandswater.org

2. Key Site Manager

This should be an individual with good knowledge of the uses and physical characteristics of the property, and the processes or activities currently conducted at the property. Often this will be the property manager, chief physical plant supervisor, or head maintenance person.

Name: ~~Amanda~~ Russ Freeman
Company/Organization/Title: see above
Phone # _____ E-Mail Address: _____

3. Contact For Site Access (if different from Key Site Manager)

Name: Amanda Hamilton
Company/Organization/Title: RE
Phone # _____ E-Mail Address: _____

4. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

_____ Yes X No

If yes, describe or attach details of the lien _____



5. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?
 _____ Yes X _____ No

If yes, describe or attach details of the limitations _____

6. Specialized Knowledge or Experience. As the User of this ESA, 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, such that you would have specialized knowledge about chemicals and processes used by this type of business?
 _____ Yes X _____ No

If yes, describe or attach details of your specialized knowledge or experience _____

7. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

X _____ No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____ Not applicable. User is not involved in a purchase or sale of the property.

8. Commonly Known or Reasonably Ascertainable Information. 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 of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?
X Yes (describe) agriculture

 _____ No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?
X Yes (describe) agricultural chemicals

 _____ No



Stantec

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

Yes (describe) _____

No

Do you know of any environmental cleanups that have taken place at the property?

Yes (describe) _____

No

9. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. 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 at the property?

Yes (describe) _____

No

10. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

Yes (please identify and provide copies, if available) _____

No

Signature: 

Name (printed): Marisa Mitchell

Company: Recurrent Energy

Title: Senior Manager, Site Development

Date: 4/27/2016

**Amended March 15,
2016**



**First American Title Company
National Commercial Services**

**4380 La Jolla Village Dr., Suite 110
San Diego, CA 92122**

March 15, 2016

Amanda Hamilton
Recurrent Energy
300 California Street, 7th Floor
San Francisco, CA 94104
Phone: (415)675-1500
Fax: (415)675-1501

Customer Reference: RE/Scarlet/Fresno County

Title Officer: David S. King
Phone: (858)410-3900
Fax No.:
E-Mail: davking@firstam.com

Buyer: Recurrent

Owner: Westlands Water District

Property: Vacant Land, County of Fresno, CA

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, this company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Exhibit A attached. *The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.* Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of March 3, 2016 at 7:30 A.M.

The form of Policy of title insurance contemplated by this report is:

To Be Determined

A specific request should be made if another form or additional coverage is desired.

Title to said estate or interest at the date hereof is vested in:

Westlands Water District, a public agency

The estate or interest in the land hereinafter described or referred to covered by this Report is:

Fee Simple

The Land referred to herein is described as follows:

(See attached Legal Description)

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

- 1. General and special taxes and assessments for the fiscal year 2016-2017, a lien not yet due or payable.
- 2. General and special taxes and assessments for the fiscal year 2015-2016

APN	TRA	1st Half, STATUS	Penalty	2nd half, STATUS	Penalty
028-071-34	111-018	\$16.95, PAID	\$1.70	\$16.95, PAYABLE	\$11.70
028-071-39	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-40-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-41-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-43	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-44	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-45	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-47	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-48	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-071-49	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-081-66-S	111-018	\$22.54, PAID	\$2.25	\$22.54, PAYABLE	\$12.25

028-101-72-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-101-74-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-01-S	111-018	\$20.00, PAID	\$2.00	\$20.00, PAYABLE	\$12.00
028-111-02-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-04-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-06	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-07-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-09-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-10	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-13	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-14	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-15	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-16-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-17	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-19	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-111-20-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-120-61-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65
028-120-62-S	111-018	\$16.51, PAID	\$1.65	\$16.51, PAYABLE	\$11.65

- 3. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.
- 4. Said land lies within the boundaries of the Improvement District shown below and is subject to any and all assessments levied thereunder.

Name of District: Westlands Water District

The Following Matters Affect Parcel 1:

- 5. A right of way for ditches and canals as reserved by the United States of America in the patent recorded November 03, 1915 in [Book 27 of Patents, Page 257](#).
- 6. An easement for pipelines and incidental purposes, recorded July 06, 1966 as Instrument No. [50513](#) in [Book 5333, Page 219](#) of Official Records.
 In Favor of: Westlands Water District
 Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 01, 1966, as Instrument No. [64142](#) in Book 5353, Page 307 of Official Records.

7. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded July 06, 1966 as Instrument No. [50513](#) in [Book 5333, Page 219](#) of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 01, 1966, as Instrument No. [64142](#) in Book 5353, Page 307 of Official Records.

8. An easement for pipelines and incidental purposes, recorded June 16, 1978 as Instrument No. [64839](#) in Book 7053, Page 876 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979, as Instrument No. [59050](#) in Book 7289, Page 753 of Official Records.

9. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded June 16, 1978 as Instrument No. [64839](#) in Book 7053, Page 876 of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979, as Instrument No. [59050](#) in Book 7289, Page 753 of Official Records.

The Following Matters Affect Parcel 2:

10. A right of way for ditches and canals as reserved by the United States of America in the patent recorded July 23, 1894 in [Book U of Patents, Page 81](#).
11. An easement for public utilities, together with ingress and egress and incidental purposes, recorded August 09, 1951 as Instrument No. 43742 in [Book 3053, Page 39](#) of Official Records.
In Favor of: Pacific Gas & Electric Company
Affects: As described therein
12. An easement for water pipelines and incidental purposes, recorded June 01, 1966 as Instrument No. 41719 in [Book 5320, Page 232](#) of Official Records.
In Favor of: Westlands Water District, a public agency
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 30, 1966 as Instrument No. 63386 in [Book 5352 Page 258](#) of Official Records.

Affects: The land and other property.

13. An easement for water pipelines and incidental purposes, recorded May 19, 1978 as Instrument No. [53849](#) in [Book 7035, Page 20](#) of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

14. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 19, 1978 as Instrument No. [53849](#) in [Book 7035, Page 20](#) of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

15. The terms, provisions and easement(s) contained in the document entitled "Drainage Easement" recorded October 29, 2004 as Instrument No. [2004-0244074](#) of Official Records.

Said instrument contains the following recital:

Pursuant to this Easement and the Settlement, Owners hereby grant to Westlands Water District and the United States through the Bureau of Reclamation of the United States Department of the Interior, their heirs, successors and assigns, the exclusive, permanent right to maintain, cause, permit, or allow the presence of subsurface water underlying the Covered Lands, and the permanent right, in their sole discretion, to provide drainage or not provide drainage of the subsurface water underlying the Covered Lands.

The location of the easement cannot be determined from record information and reference is made to said instrument for further particulars.

The Following Matters Affect Parcel 3:

16. A right of way for ditches and canals as reserved by the United States of America in the patent recorded March 21, 1905 in [Book Y of Patents, Page 274](#).

17. An easement for water pipelines and incidental purposes, recorded March 31, 1966 as Instrument No. [24735](#) in Book 5294, Page 395 of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded June 23, 1966 as Instrument No. [47626](#) in Book 5329 Page 46 of Official Records.

18. An easement for water pipelines and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

19. An easement for the temporary right, privilege and easement to enter upon and use the hereinafter described land, (a) for the placement or piling thereon of earth, materials and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and appurtenance, (b) to cause subsidence thereof that will result from diking, ditching and flooding on the land described in Article 1 hereof, and (c) to the extent deemed by the District to be necessary or desirable, for the purpose of ripping, and filling cracks which may occur as a result of said subsidence and refilling and restoring the levels of subsided areas and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The Following Matters Affect Parcels 4 and 5:

20. An easement for water pipeline and incidental purposes, recorded May 22, 1978 as Instrument No. [54346](#) in Book 7035, Page 883 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979 as Instrument No. [59051](#) in Book 7289 Page 755 of Official Records.

21. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 22, 1978 as Instrument No. [54346](#) in Book 7035, Page 883 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979 as Instrument No. [59051](#) in Book 7289 Page 755 of Official Records.

The Following Matters Affect Parcel 6:

22. An easement for water pipelines and incidental purposes, recorded May 22, 1978 as Instrument No. [54346](#) in Book 7035, Page 883 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979 as Instrument No. [59051](#) in Book 7289 Page 755 of Official Records.

23. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 22, 1978 as Instrument No. [54346](#) in Book 7035, Page 883 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979 as Instrument No. [59051](#) in Book 7289 Page 755 of Official Records.

The Following Matters Affect Parcel 7:

24. An easement for public utilities and incidental purposes, recorded July 02, 1947 as Instrument No. [35327](#) of Official Records.

In Favor of: Pacific Gas and Electric Company
Affects: As described therein

25. An easement for pipelines and appurtenances and incidental purposes, recorded September 22, 1966 as Instrument No. [68807](#) in Book 5359, Page 529 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 16, 1969 as Instrument No. [64838](#) in Book 5721 Page 656 of Official Records.

26. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded September 22, 1966 as Instrument No. [68807](#) in Book 5359, Page 529 of Official Records.

In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 16, 1969 as Instrument No. [64838](#) in Book 5721 Page 656 of Official Records.

27. Abutter's rights of ingress and egress to or from the street or highway have been relinquished in the document recorded July 01, 1966 as Instrument No. [49651](#) in Book 5332, Page 12 of Official Records.

28. An easement for pipelines and appurtenances and incidental purposes, recorded May 22, 1978 as Instrument No. [54352](#) in Book 7035, Page 907 of Official Records.

In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

29. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 22, 1978 as Instrument No. [54352](#) in Book 7035, Page 907 of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

The Following Matters Affect Parcel 8:

30. Abutter's rights of ingress and egress to or from the street or highway have been relinquished in the document recorded July 01, 1966 as Instrument No. [49651](#) in Book 5332, Page 12 of Official Records.
31. An easement for the right, privilege and easement to construct, reconstruct, re-lay, operate, maintain and remove at any time water pipelines which are a necessary part of the District's water distribution and drainage collector system, with all fixtures, devices and appurtenances necessary to the operation of said pipelines and incidental purposes, recorded September 22, 1966 as Instrument No. [68807](#) in Book 5359, Page 529 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 16, 1969 as Instrument No. [64838](#) in Book 5721 Page 656 of Official Records.

32. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded September 22, 1966 as Instrument No. [68807](#) in Book 5359, Page 529 of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 16, 1969 as Instrument No. [64838](#) in Book 5721 Page 656 of Official Records.

33. An easement for water pipelines, with all fixtures, devices and appurtenances necessary to the operation of said pipelines and incidental purposes, recorded May 22, 1978 as Instrument No. [54343](#) in Book 7035, Page 870 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

34. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 22, 1978 as Instrument No. [54343](#) in Book 7035, Page 870 of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

35. The terms and provisions contained in the document entitled "Certificate of Waiver of Parcel Map No. 90-39" recorded August 20, 1992 as Instrument No. [92126974](#) of Official Records. By and between Richard D. Welton, Director of Public Works & Development and Pucheu Ranch, a co-partnership.

Among other things, said document provides:

The undersigned, in consideration of being granted an approval of said Waiver Application No. 90-39, hereby covenant and agree with the County of Fresno that they will convey to the purchasers of any portion of the real property proposed for division without public road frontage a 60 foot non-exclusive easement for road purposes.

36. Any right, title or interest of Burford Family Farming Company, L.P., as disclosed by Landlord and Mortgagee Waiver recorded April 10, 2014 as Instrument No. [2014-0040447](#) of Official Records.

The terms and provisions contained in the document entitled "Landlord and Mortgagee Waiver" recorded April 10, 2014 as Instrument No. [2014-0040447](#) of Official Records.

A financing statement recorded April 25, 2014 as Instrument No. [2014-0046874](#) of Official Records.

Debtor: Burford Family Farming Company, L.P
Secured party: Farm Credit Leasing Services Corporation

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

Affects: The land and other property.

The Following Matters Affect Parcel 9:

37. An easement for a line of towers and incidental purposes, recorded July 27, 1951 as Instrument No. 41453 in [Book 3047, Page 193](#) and also recorded November 21, 1951 as Instrument No. 61112 in [Book 3090, Page 537](#) of Official Records.
In Favor of: Pacific Gas & Electric Company
Affects: As described therein

First party shall not erect or construct any building or other structure or drill or operate any sort of well within 37.5 feet of the above described lands.

38. Abutter's rights of ingress and egress to or from the street or highway have been relinquished in the document recorded February 05, 1960 as Instrument No. [9195](#) in Book 4339, Page 272 of Official Records.
39. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded February 05, 1960 as Instrument No. [9195](#) in Book 4339, Page 272 of Official Records.
40. An easement for pipelines for conveying water and incidental purposes, recorded May 25, 1966 as Instrument No. [40102](#) in Book 5317, Page 562 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 30, 1966 as Instrument No. [63387](#) in Book 5352 Page 261 of Official Records.

41. An easement for pipelines for conveying water and incidental purposes, recorded May 25, 1966 as Instrument No. [40103](#) in Book 5317, Page 566 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 19, 1966 as Instrument No. [61263](#) in Book 5349 Page 294 of Official Records.

42. Abutter's rights of ingress and egress to or from the street or highway have been relinquished in the document recorded July 22, 1966 as Instrument No. [54601](#) in [Book 5339, Pages 404 and 406](#), both of Official Records.
43. An easement for irrigation ditch and ingress and egress and incidental purposes, recorded October 02, 1967 as Instrument No. [66324](#) in Book 5486, Page 7 of Official Records.
In Favor of: Francis A. Orff and Angie Orff, husband and wife
Affects: As described therein

44. Said land is subject to the Federal Reclamation Laws and to an agreement with the United States of America and the parties shown below. The general purport of such agreements and laws relates to the sale of excess lands.

Dated: February 14, 1972
Parties: M. Friis-Hansen & Co., a limited partnership, and the United States of America
Recorded: April 18, 1972 as Instrument No. [34852](#) in Book 6013, Page 338 of Official Records

Amendatory Agreement Pertaining to Sale of Excess Land Extending Disposition Perion for Sale of Land dated August 14, 1984, executed by the United States of America, recorded September 24, 1984 as Instrument No. [84092146](#) of Official Records. Reference being made to said document for full particulars.

45. An easement for pipeline for conveying water and incidental purposes, recorded May 22, 1978 as Instrument No. [54342](#) in Book 7035, Page 865 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

46. An easement for the temporary right, privilege and easement to enter upon and use the hereinafter described land. (a) for the placement or piling thereon of earth, materials and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and appurtenances, (b) to cause subsidence thereof that will result from diking, ditching and flooding on the land described in Article 1 hereof, and (c) to the extent deemed by the District to be necessary or desirable, for the purpose of ripping and filling cracks which may occur as a result of said subsidence and refilling and restoring the levels of subsided areas and incidental purposes, recorded May 22, 1978 as Instrument No. [54342](#) in Book 7035, Page 865 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

47. An oil and gas lease executed by M. Friis-Hansen & Co., a limited partnership, composed of Lilly Friis-Hansen, Andrew Friis-Hansen and Mary Friis-Hansen Larsen, general partners as lessor and Argonaut Oil and as Consultants, a partnership as lessee, recorded July 14, 1980 as Instrument No. [65472](#) in Book 7548 Page 700 of Official Records.

The lessee's interest under the lease has been assigned to Cities Service Company by assignment recorded July 14, 1980 as Instrument No. [65467](#) in Book 7548 Page 689 of Official Records.

The lessee's interest under the lease has been assigned to Joseph A. Dunwoody by assignment recorded June 8, 1983 as Instrument No. [83050354](#) of Official Records.

The lessee's interest under the lease has been assigned to Cabot Petroleum Corporation by assignment recorded October 28, 1983 as Instrument No. [83100021](#) of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

48. Abutter's rights of ingress and egress to or from the street or highway have been relinquished in the document recorded June 01, 1994 as Instrument No. [94091739](#) of Official Records.

The Following Matters Affect Parcel 10:

49. An easement for water pipelines and incidental purposes, recorded May 26, 1978 as Instrument No. [56531](#) in Book 7039, Page 498 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

50. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 26, 1978 as Instrument No. [56531](#) in Book 7039, Page 498 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

51. The terms, provisions and easement(s) contained in the document entitled "Drainage Easement" recorded October 29, 2004 as Instrument No. [2004-0244074](#) of Official Records.

Said instrument contains the following recital:

Pursuant to this Easement and the Settlement, Owners hereby grant to Westlands Water District and the United States through the Bureau of Reclamation of the United States Department of the Interior, their heirs, successors and assigns, the exclusive, permanent right to maintain, cause, permit, or allow the presence of subsurface water underlying the Covered Lands, and the permanent right, in their sole discretion, to provide drainage or not provide drainage of the subsurface water underlying the Covered Lands.

The location of the easement cannot be determined from record information and reference is made to said instrument for further particulars.

The Following Matters Affect Parcels 11, 12, 13, 14 and 15:

52. A right of way for ditches and canals as reserved by the United States of America in the patent recorded February 25, 1893 in [Book S, Page 379](#) of Patents.

(Affects Parcel 15)

53. A right of way for ditches and canals as reserved by the United States of America in the patent recorded December 04, 1901 in [Book Y, Page 80](#) of Patents.

(Affects Parcels 13 and 14)

54. A right of way for ditches and canals as reserved by the United States of America in the patent recorded April 21, 1910 in [Book X, Page 407](#) of Patents.

(Affects Parcels 11 and 12)

55. An easement for public utilities and incidental purposes, recorded December 07, 1945 as Instrument No. 56945 in [Book 2292, Page 448](#) of Official Records.
In Favor of: Pacific Gas and Electric Company
Affects: As described therein

(Affects Parcels 11 and 12)

56. An easement for water pipelines and incidental purposes, recorded April 20, 1966 as Instrument No. [30130](#) in Book 5302, Page 576 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded June 23, 1966 as Instrument No. [47626](#) in Book 5329 Page 46 of Official Records.

(Affects Parcels 11, 12, 13 and 15)

57. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded April 20, 1966 as Instrument No. [30130](#) in Book 5302, Page 576 of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded June 23, 1966 as Instrument No. [47626](#) in Book 5329 Page 46 of Official Records.

(Affects Parcels 11, 12, 13 and 15)

58. An easement for water pipelines and incidental purposes, recorded May 19, 1978 as Instrument No. [53848](#) in Book 7035, Page 16 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

(Affects Parcel 11)

59. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 19, 1978 as Instrument No. [53848](#) in Book 7035, Page 16 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

(Affects Parcel 11)

60. An easement for water pipelines and incidental purposes, recorded May 22, 1978 as Instrument No. [54340](#) in Book 7035, Page 857 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

(Affects Parcels 13 and 15)

61. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 22, 1978 as Instrument No. [54340](#) in Book 7035, Page 857 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

(Affects Parcels 13, 14 and 15)

62. An oil and gas lease executed by Clint J. Wagner, an unmarried man as lessor and Buttes Resources Company, a Delaware corporation as lessee, recorded December 10, 1984 as Instrument No. [84118796](#) of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

(Affects Parcel 15)

63. An oil and gas lease executed by Barbara A. Milburn, who acquired title as Barbara A. Wagner, a married woman as lessor and Buttes Resources Company, a Delaware corporation as lessee, recorded December 10, 1984 as Instrument No. [84118797](#) of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

(Affects Parcels 13 and 14)

64. An oil and gas lease executed by La Cinda Lee Wagner, also known as Lacinda Lee Wagner, also known as La Cinda Lee Gonzales, a married woman as lessor and Buttes Resources Company, a Delaware corporation as lessee, recorded December 10, 1984 as Instrument No. [84118798](#) of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

(Affects Parcel 11)

65. An oil and gas lease executed by Dallas Gale Wagner, now known as Dallas G. Bates, a married woman as lessor and Buttes Resources Company, a Delaware corporation as lessee, recorded December 10, 1984 as Instrument No. [84118799](#) of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

(Affects Parcel 12)

66. The terms and provisions contained in the document entitled "Declaration of Restrictive Covenant (Nonirrigation Covenant)" recorded August 15, 2003 as Instrument No. [2003-0189565](#) of Official Records. By and among Westlands Water District; David Britz, et al; and Britz Investment, Inc., a California corporation
67. Any right, title or interest of Burford Family Farming Company, LP, as disclosed by the financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

A financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

Debtor: Burford Family Farming Company, LP
Secured party: Farm Credit Leasing Services Corporation

The terms and provisions contained in the document entitled "Landlord and Mortgagee Waiver" recorded June 12, 2013 as Instrument Nos. [2013-00083293](#) and [2013-0083294](#) and February 18, 2014 as Instrument No. [2014-0019768](#), All of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

Affects: Parcels 11 and 12 with other property.

The Following Matters Affect Parcel 16:

68. An easement for public utilities, together with ingress and egress and incidental purposes, recorded February 14, 1964 as [Book 4965, Page 277](#) of Official Records.
In Favor of: Pacific Gas and Electric Company
Affects: as described therein

The Following Matters Affect Parcels 17 and 18:

69. An easement for pipelines and incidental purposes, recorded July 06, 1966 as Instrument No. [50513](#), in [Book 5333, Page 219](#) of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 01, 1966, as Instrument No. [64142](#) in Book 5353, Page 307 of Official Records.

70. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded July 06, 1966 as Instrument No. [50513](#), in [Book 5333, Page 219](#) of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded September 01, 1966, as Instrument No. [64142](#) in Book 5353, Page 307 of Official Records.

71. An easement for pipelines and incidental purposes, recorded June 16, 1978 as Instrument No. [64839](#), in Book 7053, Page 876 of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979 as Instrument No. [59050](#) in Book 7289 Page 753 of Official Records.

(Affects Both Parcels)

72. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded June 16, 1978 as Instrument No. [64839](#) in Book 7053, Page 876 of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded May 22, 1979 as Instrument No. [59050](#) in Book 7289 Page 753 of Official Records.

73. Any right, title or interest of Burford Family Farming Company, LP, as disclosed by the financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

A financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

Debtor: Burford Family Farming Company, LP

Secured party: Farm Credit Leasing Services Corporation

The terms and provisions contained in the document entitled "Landlord and Mortgagee Waiver" recorded June 12, 2013 as Instrument Nos. [2013-0083293](#) and [2013-0083294](#) and February 18, 2014 as Instrument No. [2014-0019768](#), All of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

Affects: The land and other property.

The Following Matters Affect Parcels 19 and 20:

74. A right of way for ditches and canals as reserved by the United States of America in the patent recorded in [Book C of Patents, Page 67](#).

75. An easement for public utilities and incidental purposes, recorded November 14, 1945 as Instrument No. [50174](#) of Official Records.
In Favor of: Pacific Gas & Electric Company
Affects: As described therein
76. An easement for public utilities and incidental purposes, recorded November 14, 1945 as Instrument No. [50175](#) of Official Records.
In Favor of: Pacific Gas & Electric Company
Affects: As described therein
77. An easement for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded March 31, 1966 as Instrument No. [24736](#) in Book 5294, Page 400 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein
- The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 19, 1966 as Instrument No. [61263](#) in Book 5349 Page 294 of Official Records.
78. Abutter's rights of ingress and egress to or from the street of highway abutting said land have been relinquished in the document recorded July 19, 1966 as Instrument No. 53626, in [Book 5338, Page 60](#) of Official Records.
79. An easement for construct, reconstruct, lay, re-lay, operate, maintain, and remove at any time water pipelines and incidental purposes, recorded July 22, 1966 as Instrument No. 54461, in [Book 5339, Page 190](#) of Official Records.
In Favor of: Westlands Water District
Affects: As described therein
80. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded July 22, 1966 as Instrument No. 54461, in [Book 5339, Page 190](#) of Official Records.
In Favor of: Westlands Water District
Affects: as described therein
81. Abutter's rights of ingress and egress to or from the street or highway abutting said land have been relinquished in the document recorded July 28, 1966 as Instrument No. [55947](#), in Book 5341, Page 504 of Official Records.
82. An easement for water pipelines and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#), in Book 7017, Page 349 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein
- Affects: The land and other property.

83. An easement for the temporary right, privilege and easement to enter upon and use the hereinafter described land, (a) for the placement or piling thereon of earth, materials and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and appurtenance, (b) to cause subsidence thereof that will result from diking, ditching and flooding on the land described in Article 1 hereof, and (c) to the extent deemed by the District to be necessary or desirable, for the purpose of ripping, and filling cracks which may occur as a result of said subsidence and refilling and restoring the levels of subsided areas and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District
Affects: as described therein

84. The effect of a map purporting to show the land and other property, filed in [Book 43, Page 64](#) of Record of Surveys.

85. Any right, title or interest of Burford Family Farming Company, LP, as disclosed by the financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

A financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

Debtor: Burford Family Farming Company, LP
Secured party: Farm Credit Leasing Services Corporation

The terms and provisions contained in the document entitled "Landlord and Mortgagee Waiver" recorded June 12, 2013 as Instrument Nos. [2013-0083293](#) and [2013-0083294](#) and February 18, 2014 as Instrument No. [2014-0019768](#), All of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

Affects: The land and other property.

The Following Matters Affect Parcels 21 and 22:

86. A right of way for ditches and canals as reserved by the United States of America in the patent recorded in [Book Y of Patents, Page 91](#).

87. An easement for public utilities and incidental purposes, recorded June 04, 1951 as Instrument No. 32219, in [Book 3025, Page 464](#) of Official Records.

In Favor of: Pacific Gas & Electric Company
Affects: a portion of Parcel 21

88. An easement for water pipelines and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District
Affects: as described therein

89. An easement for the temporary right, privilege and easement to enter upon and use the hereinafter described land, (a) for the placement or piling thereon of earth, materials and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and appurtenance, (b) to cause subsidence thereof that will result from diking, ditching and flooding on the land described in Article 1 hereof, and (c) to the extent deemed by the District to be necessary or desirable, for the purpose of ripping, and filling cracks which may occur as a result of said subsidence and refilling and restoring the levels of subsided areas and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District
Affects: as described therein

90. The effect of a map purporting to show the land and other property, filed in [Book 43, Page 64](#) of Record of Surveys.

The Following Matters Affect Parcels 23 and 24:

91. A right of way for ditches and canals as reserved by the United States of America in the patent recorded September 28, 1892 in [Book S of Patents, Page 270](#).

(Affects Both Parcels)

92. An easement for public utilities and incidental purposes, recorded October 15, 1945 as Instrument No. [42289](#) in Book 2293, Page 51 of Official Records.

In Favor of: Pacific Gas & Electric Company
Affects: As described therein

The location of the easement cannot be determined from record information.

(Affects Parcel 23)

93. Exceptions and reservations contained in the deed, covering this and other property, from Ida F. Mitchell to M.J. Ryan, dated July 01, 1947, recorded September 08, 1947, as Instrument No. [46454](#) in Book 2557, Page 309, as follows:

Reserving in first party, however, the following:

- a. An undivided 1/2 interest in and to all minerals, oil, gas and petroleum and all kindred substances now, or which may hereafter be in, on or under the surface of the land herein granted, together with an undivided 1/2 interest in and to all rights in and to said substances (said 1/2 interest being 1/2 of all such substances in, on or under the land above described which is wholly owned by first party, and 1/2 of 1/2 of such substances, in on or under the land above described of which first party only owns an undivided 1/2 interest, it being the intention to reserved in first party 1/2 of her rights title and interest in such substances).
- b. The right to enter upon said land for the purpose of exploring for and/or drilling for and/or mining for and/or taking any or all of said substances.
- c. The right to mine and/or drill on said land for said substances or any or either of them.
- d. The right to take said substances, or either or any of them from said land.

(Affects Parcel 24)

94. An easement for water pipelines and incidental purposes, recorded July 13, 1966 as Instrument No. 44318 in [Book 5324, Page 255](#) of Official Records.

In Favor of: Westlands Water District

Affects: Parcel 23

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded July 23, 1968, as Instrument No. [51258](#) in Book 5593 Page 567 of Official Records.

95. An easement for water pipelines and incidental purposes, recorded May 26, 1978 as Instrument No. 56530 in [Book 7039, Page 494](#) of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

(Affects Both Parcels)

96. An easement for (a) for the placement or piling thereon of earth, materials and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and appurtenances, (b) to cause subsidence thereof that will result from diking, ditching and flooding on the land described in Article 1 hereof, and (c) to the extent deemed by the District to be necessary or desirable, for the purpose of ripping and filling cracks which may occur as a result of said subsidence and refilling and restoring the levels of subsided areas and incidental purposes, recorded May 26, 1978 as Instrument No. 56530 in [Book 7039, Page 494](#) of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 3, 1979 as Instrument No. 89652 in [Book 7341 Page 845](#) of Official Records.

(Affects Both Parcels)

97. Any right, title or interest of Burford Family Farming Company, LP , as disclosed by the financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

A financing statement recorded May 6, 2013 as Instrument No. [2013-0065484](#) of Official Records.

Debtor: Burford Family Farming Company, LP

Secured party: Farm Credit Leasing Services Corporation

The terms and provisions contained in the document entitled "Landlord and Mortgagee Waiver" recorded June 12, 2013 as Instrument Nos. [2013-0083293](#) and [2013-0083294](#) and February 18, 2014 as Instrument No. [2014-0019768](#), All of Official Records.

Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records are not shown herein.

Affects: The land and other property.

The Following Matters Affect Parcel 25:

98. A right of way for ditches and canals as reserved by the United States of America in the patent recorded November 17, 1887 in [Book H of Patents, Page 488](#).
99. The effect of a map purporting to show the land and other property, filed in [Book 10, Page 38](#) of Record of Surveys.
100. Exceptions and reservations contained in the Deed covering Parcel 1 and other property, from John B. Jago, et al, to Herman Reece and Tom Reece, as Tenants in Common, dated December 26, 1946, recorded February 03, 1947 as Instrument No. [6655](#) in Book 2494, Page 112 of Official Records, as follows:

Any operations by Grantors for the discovery or development and/or production of minerals, including oil, gas and other hydrocarbons prior to the discovery of minerals or oil in paying quantities, but not thereafter, shall be conducted so as to interfere with Grantee's buildings, structures and agricultural operations as little as is consistent with economical operations of the property for the purposes hereby reserved to grantors. Grantors covenant and agree with grantees that they will pay to grantees all damages to growing crops caused by the operations by grantors for the discovery or development and/or production of minerals, including oil, gas and other hydrocarbons, prior to the discovery of minerals, including oil in paying quantities, but not thereafter.

101. An easement for water pipelines and incidental purposes, recorded March 31, 1966 as Instrument No. [24736](#) in Book 5294, Page 400 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 19, 1966 as Instrument No. [61263](#) in Book 5349 Page 294 of Official Records.

102. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded March 31, 1966 as Instrument No. [24736](#) in Book 5294, Page 400 of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 19, 1966 as Instrument No. [61263](#) in Book 5349 Page 294 of Official Records.

103. Abutter's rights of ingress and egress to or from the street of highway abutting said land have been relinquished in the document recorded July 28, 1966 as Instrument No. [55947](#) in Book 5341, Page 497 of Official Records.

104. An easement for water pipelines and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

105. An easement for the temporary right, privilege and easement to enter upon and use the hereinafter described land, (a) for the placement or piling thereon of earth, materials and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and appurtenance, (b) to cause subsidence thereof that will result from diking, ditching and flooding on the land described in Article 1 hereof, and (c) to the extent deemed by the District to be necessary or desirable, for the purpose of ripping, and filling cracks which may occur as a result of said subsidence and refilling and restoring the levels of subsided areas and incidental purposes, recorded April 25, 1978 as Instrument No. [43285](#) in Book 7017, Page 349 of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

Affects: The land and other property.

106. An easement for water pipelines and incidental purposes, recorded August 23, 1985 as Instrument No. [85084359](#) of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

Affects: The land and other property.

107. An easement for the placement of piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded August 23, 1985 as Instrument No. [85084359](#) of Official Records.

In Favor of: Westlands Water District

Affects: As described therein

Affects: The land and other property.

The Following Matters Affect 26:

108. Right of way for a canal over and across said property, as disclosed in an action commenced on April 16, 1892, in the Superior Court of the State of California, in and for the County of Fresno, entitled The Sunset Canal Company vs. Southern Pacific Railroad Company, et al. (See Case No. 3984).

109. Rights of way of lawful width for any and all County Roads heretofore lawfully established and now in public use upon and across any of said lands, as reserved in the deed from Southern Pacific Railroad Company, to Southern Pacific Land Company, a corporation, dated March 06, 1912,

Recorded: March 22, 1912, in [Book 492, Page 413](#) of Deeds, and subsequent deeds of record

110. The effect of a map purporting to show the land and other property, filed February 28, 1921 in [Book 10, Page 38](#) of Record of Surveys.
111. The exclusive and perpetual right of ingress and egress in, upon or over said property to explore and prospect for, extract, develop, save, convey, store refine, process and remove the same and to make such use of said property and the surface thereof as is necessary or useful in connection therewith, which use may include the sinking, boring, digging or drilling of wells, shafts or tunnels, excavating, open pit mining and constructing, maintaining and removing roads, ways, pipe lines, pole lines, tanks, buildings, structures and facilities, as granted to Bravo Oil Company, a corporation of the State of Texas, in Deed recorded December 29, 1965, as Instrument No. [104217](#) in Book 5257, Page 25 of Official Records.
112. An easement for water pipelines and incidental purposes, recorded June 09, 1966 as Instrument No. [43681](#) in [Book 5323, Page 284](#) of Official Records.
In Favor of: Westlands Water District
Affects: As described therein
- The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded October 13, 1966 as Instrument No. [73667](#) in Book 5367 Page 95 of Official Records.
113. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded June 09, 1966 as Instrument No. [43681](#) in [Book 5323, Page 284](#) of Official Records.
In Favor of: Westlands Water District
Affects: as described therein
- The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded October 13, 1966 as Instrument No. [73667](#) in Book 5367 Page 95 of Official Records.
114. An easement for public highway or street, subject to conditions contained therein and incidental purposes, recorded May 15, 1968 as Instrument No. 34599 in [Book 5570, Page 217](#) of Official Records.
In Favor of: County of Fresno
Affects: Said land
115. An easement for water pipelines and incidental purposes, recorded June 01, 1979 as Instrument No. [63163](#) in Book 7297, Page 10 of Official Records.
In Favor of: Westlands Water District
Affects: Said land
116. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded June 01, 1979 as Instrument No. [63163](#) in Book 7297, Page 10 of Official Records.
In Favor of: Westlands Water District
Affects: as described therein

The Following Matters Affect Parcel 27:

117. Right of way for a canal over and across said property, as disclosed in an action commenced on April 16, 1892, in the Superior Court of the State of California, in and for the County of Fresno, entitled The Sunset Canal Company vs. Southern Pacific Railroad Company, et al. (See Case No. 3984).
118. Rights of way of lawful width for any and all County Roads heretofore lawfully established and now in public use upon and across any of said lands, as reserved in the deed from Southern Pacific Railroad Company, to Southern Pacific Land Company, a corporation, dated March 06, 1912,
- Recorded: March 22, 1912, in [Book 492, Page 413](#) of Deeds, and subsequent deeds of record
119. The effect of a map purporting to show the land and other property, filed February 28, 1921, in [Book 10, Page 38](#) of Record of Surveys.
120. An easement for power transmission lines on a double line of towers and incidental purposes, recorded November 13, 1951 as Instrument No. 59942 in [Book 3088, Page 121](#) of Official Records.
- In Favor of: Pacific Gas and Electric Company, a corporation
- Affects: as described therein
121. An easement for extract, develop, save, convey, store, refine, process and remove the same and to make such use of said property and the surface thereof as is necessary or useful in connection therewith, which use may include the sinking, boring, digging or drilling of wells, shafts or tunnels, excavating, open pit mining and constructing, maintaining and removing roads, ways, pipe lines, pole lines, tanks, buildings, structures and facilities and incidental purposes, recorded December 29, 1965 as Instrument No. [104217](#) in Book 5257, Page 25 of Official Records.
- In Favor of: Bravo Oil Company, a corporation of the State of Texas
- Affects: As described therein
122. An easement for water pipelines and incidental purposes, recorded November 17, 1966 as Instrument No. 81719 in [Book 5377, Page 285](#) of Official Records.
- In Favor of: Westlands Water District
- Affects: As described therein
- The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded February 28, 1967 as Instrument No. [13713](#) in Book 5412 Page 412 of Official Records.
123. An easement for public highway or street, subject to conditions contained therein and incidental purposes, recorded May 15, 1968 as Instrument No. 34599 in [Book 5570, Page 217](#) of Official Records.
- In Favor of: County of Fresno
- Affects: As described therein

124. An easement for water pipelines and incidental purposes, recorded June 01, 1979 as Instrument No. [63163](#) in Book 7297, Page 10 of Official Records.
 In Favor of: Westlands Water District
 Affects: As described therein
125. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded June 01, 1979 as Instrument No. [63163](#) in Book 7297, Page 10 of Official Records.
 In Favor of: Westlands Water District
 Affects: The West 25 feet of the East 75 feet of the Southwest quarter

The Following Matters Affect Parcel 28:

126. A right of way for ditches and canals as reserved by the United States of America in the patent recorded in [Book Y of Patents, Page 91](#).
127. An easement for highway purposes and incidental purposes, recorded July 11, 1919 in [Book 699 of Deeds, Page 79](#).
 Affects: 30 feet in width along the half Section line North and South

The Following Matters Affect Parcel 29:

128. An easement for the right to erect, construct, reconstruct, replace, remove, maintain and use a line of towers with such wires and cables as second party shall from time to time suspend therefrom for the transmission and distribution of electric energy, and for communication purposes, and all necessary and proper crossarms, braces and other appliances and fixtures for use in connection with said towers, wires and cables, together with a right of way therealong, over and across those certain premises, situate in the County of Fresno, State of California, which are described as follows: The East half of the Southwest quarter of the Southeast quarter of Section 29, Township 15 South, Range 15 East; the aforesaid towers shall be located on said premises along that certain line which crosses said premises and is described as follows: Beginning at a point in the Westerly boundary line of said premises and running thence South 89° 43' East 230 feet, more or less, to a point hereinafter called Point "A"; thence continuing South 89° 43' East 435 feet, more or less, to the Easterly boundary line of said premises; said Point "A" bears North 72° 24-1/2' East 3744.0 feet distant from the 4 inch capped iron pipe marking the Southwest corner of said Section 29; (The rights herein granted are limited to the erection of one (1) tower only upon said premises) and incidental purposes, recorded June 06, 1951 as Instrument No. 32834 in [Book 3027, Page 130](#) of Official Records.
 In Favor of: Pacific Gas & Electric Company, a California corporation
 Affects: As described therein

The Following Matters Affect Parcel 30:

129. A right of way for ditches and canals as reserved by the United States of America in the patent recorded December 30, 1901 in [Book Y of Patents, Page 91](#).

130. An easement for public utilities and incidental purposes, recorded June 06, 1951 as Instrument No. 32833 in [Book 3027, Page 127](#) of Official Records.
In Favor of: Pacific Gas and Electric Company
Affects: As described therein
131. An easement for pipelines and incidental purposes, recorded May 11, 1966 as Instrument No. 36292 in [Book 5312, Page 13](#) of Official Records.
In Favor of: Westlands Water District
Affects: As described therein

The interest of Westlands Water District has been conveyed to the United States of America and its assigns by Deed recorded August 30, 1966 as Instrument No. [63388](#) in Book 5352 Page 264 of Official Records.

The Following Matters Affect Parcel 31:

132. An easement for water pipelines and incidental purposes, recorded May 19, 1978 as Instrument No. [53849 Book 7035, Page 20](#) of Official Records.
In Favor of: Westlands Water District
Affects: As described therein
133. An easement for the temporary right, privilege and easement to enter upon and use, for the placement or piling thereon of earth, materials, and machinery, and for all other purposes useful or necessary in connection with the construction of a pipeline and incidental purposes, recorded May 19, 1978 as Instrument No. [53849](#) in [Book 7035, Page 20](#) of Official Records.
In Favor of: Westlands Water District
Affects: As described therein
134. The terms, provisions and easement(s) contained in the document entitled "Drainage Easement" recorded October 1, 2003 as Instrument No. [2003-0237407](#) of Official Records.

Said instrument contains the following recital:

Pursuant to this Easement and the Settlement, Owners hereby grant to Westlands Water District and the United States through the Bureau of Reclamation of the United States Department of the Interior, their heirs, successors and assigns, the exclusive, permanent right to maintain, cause, permit, or allow the presence of subsurface water underlying the Covered Lands, and the permanent right, in their sole discretion, to provide drainage or not provide drainage of the subsurface water underlying the Covered Lands.

The location of the easement cannot be determined from record information and reference is made to said instrument for further particulars.

The Following Matters Affect Parcel 32:

135. A right of way for ditches and canals as reserved by the United States of America in the patent recorded in [Book U of Patents, Page 402](#).
136. An easement for a canal 52 feet wide on the top grade, with right of ingress and egress for purpose of repairing said canal and incidental purposes, recorded August 04, 1893 in [Book 169 of Deeds, Page 21](#).
In Favor of: Sunset Irrigation District

Affects: As described therein

The location of the easement cannot be determined from record information.

Said Deed further recites: "If said canal shall not be built, the grant hereby made shall become and be null and void."

137. An easement for public utilities and incidental purposes, recorded June 06, 1951 in [Book 3027, Page 115](#) and November 13, 1951 in [Book 3088, Page 128](#) of Official Records.
 In Favor of: Pacific Gas & Electric Company
 Affects: As described therein
138. An easement for public utilities and incidental purposes, recorded July 6, 1951 as Instrument No. 38026 in [Book 3039, Page 99](#) of Official Records.
 In Favor of: Pacific Gas and Electric Company
 Affects: as described therein
139. An easement for ingress and egress for the prospecting, drilling for, and producing oil, gas and/or other hydrocarbons therefrom and incidental purposes, recorded September 19, 1952 as [Book 3212, Page 113](#) of Official Records.
 In Favor of: R.V. Cobb and Ruth E. Cobb, his wife and Emery L. Cobb and Josephine Cobb, his wife
 Affects: as described therein
140. Abutter's rights of ingress and egress to or from freeway have been relinquished in the document recorded August 4, 1958 as [Book 4097, Page 371](#) of Official Records.
141. A waiver of any claims for damages by reason of the location, construction, landscaping or maintenance of a contiguous freeway, highway, roadway or transit facility as contained in the document recorded August 4, 1958 as [Book 4097, Page 371](#) of Official Records.

The location of the easement cannot be determined from record information.

142. The terms, provisions and easement(s) contained in the document entitled "Drainage Easement" recorded September 30, 2002 as Instrument No. [2002-0171696](#) of Official Records.

Said instrument contains the following recital:

Pursuant to this Easement and the Settlement, Owners hereby grant to Westlands Water District and the United States through the Bureau of Reclamation of the United States Department of the Interior, their heirs, successors and assigns, the exclusive, permanent right to maintain, cause, permit, or allow the presence of subsurface water underlying the Covered Lands, and the permanent right, in their sole discretion, to provide drainage or not provide drainage of the subsurface water underlying the Covered Lands.

The location of the easement cannot be determined from record information and reference is made to said instrument for further particulars.

143. One of the following, in accordance with the Subdivision Map Act (Section 66410 et seq. of the California Government Code):
- a. A certificate of compliance recorded in the public records.
 - b. Filing of a final map or parcel map.
 - c. A waiver of a final map or parcel map.

The Following Matters Affect All Parcels:

144. Any discrepancies, conflicts in boundary lines, shortages in area, encroachments, facts, rights, interests or claims which would be disclosed by a correct ALTA/ACSM survey, and which are not shown by public records.
145. Rights of parties in possession.
146. Any lien, or right to a lien, imposed by law, as a result of services, labor, and/or materials used, or to be used, for improvement to the premises.
147. Water rights, claims or title to water, whether or not shown by the public records.
148. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records, or attaching subsequent to the effective date hereof but prior to the date the proposed insured acquires for value of record the estate or interest or mortgage thereon covered by this Report/Commitment.
149. Any and all minerals, and mineral rights, related to the land.

INFORMATIONAL NOTES

1. This report is preparatory to the issuance of an ALTA Loan Policy. The property covered by this report is vacant land.
2. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

None
3. This preliminary report/commitment was prepared based upon an application for a policy of title insurance that identified land by street address or assessor's parcel number only. It is the responsibility of the applicant to determine whether the land referred to herein is in fact the land that is to be described in the policy or policies to be issued.
4. Should this report be used to facilitate your transaction, we must be provided with the following prior to the issuance of the policy:
 - A. WITH RESPECT TO A CORPORATION:
 1. A certificate of good standing of recent date issued by the Secretary of State of the corporation's state of domicile.
 2. A certificate copy of a resolution of the Board of Directors authorizing the contemplated transaction and designating which corporate officers shall have the power to execute on behalf of the corporation.
 3. A certificate of revivor and a certificate of relief from contract voidability issued by the Franchise Tax Board of the State of California.
 4. Requirements which the Company may impose following its review of the above material and other information which the Company may require.
 - B. WITH RESPECT TO A CALIFORNIA LIMITED PARTNERSHIP:
 1. A certified copy of the certificate of limited partnership (form LP-1) and any amendments thereto (form LP-2) to be recorded in the public records;
 2. A full copy of the partnership agreement and any amendments;
 3. Satisfactory evidence of the consent of a majority in interest of the limited partners to the contemplated transaction;
 4. A certificate of revivor and a certificate of relief from contract voidability issued by the Franchise Tax Board of the State of California.
 5. Requirements which the Company may impose following its review of the above material and other information which the Company may require.
 - C. WITH RESPECT TO A FOREIGN LIMITED PARTNERSHIP:
 1. A certified copy of the application for registration, foreign limited partnership (form LP-5) and any amendments thereto (form LP-6) to be recorded in the public records;
 2. A full copy of the partnership agreement and any amendment;
 3. Satisfactory evidence of the consent of a majority in interest of the limited partners to the contemplated transaction;
 4. A certificate of revivor and a certificate of relief from contract voidability issued by the Franchise Tax Board of the State of California.

5. Requirements which the Company may impose following its review of the above material and other information which the Company may require.
- D. WITH RESPECT TO A GENERAL PARTNERSHIP:
1. A certified copy of a statement of partnership authority pursuant to Section 16303 of the California Corporation Code (form GP-1), executed by at least two partners, and a certified copy of any amendments to such statement (form GP-7), to be recorded in the public records;
 2. A full copy of the partnership agreement and any amendments;
 3. Requirements which the Company may impose following its review of the above material required herein and other information which the Company may require.
- E. WITH RESPECT TO A LIMITED LIABILITY COMPANY:
1. A copy of its operating agreement and any amendments thereto;
 2. If it is a California limited liability company, a certified copy of its articles of organization (LLC-1) and any certificate of correction (LLC-11), certificate of amendment (LLC-2), or restatement of articles of organization (LLC-10) to be recorded in the public records;
 3. If it is a foreign limited liability company, a certified copy of its application for registration (LLC-5) to be recorded in the public records;
 4. With respect to any deed, deed of trust, lease, subordination agreement or other document or instrument executed by such limited liability company and presented for recordation by the Company or upon which the Company is asked to rely, such document or instrument must be executed in accordance with one of the following, as appropriate:
 - (i) If the limited liability company properly operates through officers appointed or elected pursuant to the terms of a written operating agreement, such documents must be executed by at least two duly elected or appointed officers, as follows: the chairman of the board, the president or any vice president, and any secretary, assistant secretary, the chief financial officer or any assistant treasurer;
 - (ii) If the limited liability company properly operates through a manager or managers identified in the articles of organization and/or duly elected pursuant to the terms of a written operating agreement, such document must be executed by at least two such managers or by one manager if the limited liability company properly operates with the existence of only one manager.
 5. A certificate of revivor and a certificate of relief from contract voidability issued by the Franchise Tax Board of the State of California.
 6. Requirements which the Company may impose following its review of the above material and other information which the Company may require.
- F. WITH RESPECT TO A TRUST:
1. A certification pursuant to Section 18100.5 of the California Probate Code in a form satisfactory to the Company.
 2. Copies of those excerpts from the original trust documents and amendments thereto which designate the trustee and confer upon the trustee the power to act in the pending transaction.
 3. Other requirements which the Company may impose following its review of the material require herein and other information which the Company may require.
- G. WITH RESPECT TO INDIVIDUALS:
1. A statement of information.

The map attached, if any, may or may not be a survey of the land depicted hereon. First American Title Insurance Company expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of the title insurance policy, if any, to which this map is attached.

******To obtain wire instructions for deposit of funds to your escrow file please contact your Escrow Officer.******

LEGAL DESCRIPTION

Real property in the unincorporated area of the County of Fresno, State of California, described as follows:

PARCEL 1:

THE NORTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THE EAST HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER THEREOF.

ALSO EXCEPTING THEREFROM THE NORTH 50 FEET OF THE NORTHEAST QUARTER DEEDED TO THE COUNTY OF FRESNO BY DEED RECORDED DECEMBER 16, 1994, AS DOCUMENT NO. [94189224](#) OF OFFICIAL RECORDS.

APN: 028-111-10

PARCEL 2:

THE SOUTHWEST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM 50% OF ALL OIL, GAS AND MINERALS, AS RESERVED IN THE DEED FROM HOWARD A. BROWN, AS TRUSTEE FOR MATTIE L. BROWN TO JAMES J. IMPERATRICE AND EVELYN IMPERATRICE, HUSBAND AND WIFE, RECORDED FEBRUARY 26, 1957 IN [BOOK 3889, PAGE 368](#) OF OFFICIAL RECORDS, DOCUMENT NO. 14291.

ALSO EXCEPTING THEREFROM ONE-HALF OF ALL OIL, GAS AND OTHER HYDROCARBONS AND MINERALS NOW OR AT ANY TIME HEREAFTER SITUATE THEREIN AND THEREUNDER, AS RESERVED IN THE DEED DATED APRIL 29, 1959, FROM J. J. IMPERATRICE, ALSO KNOWN AS JAMES J. IMPERATRICE AND EVELYN IMPERATRICE, HUSBAND AND WIFE TO FRANCIS ORFF AND ANGIE ORFF, HUSBAND AND WIFE, AS JOINT TENANTS, RECORDED JULY 21, 1959 IN [BOOK 4250, PAGE 484](#) OF OFFICIAL RECORDS, DOCUMENT NO. 50988.

APN: 028-111-07

PARCEL 3:

THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15, EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM THE NORTH 50 FEET THEREOF;

ALSO EXCEPTING THEREFROM ONE-HALF OF ALL OIL, GAS, HYDROCARBON SUBSTANCES AND OTHER MINERALS IN, OR UNDER SAID LAND, WITH THE RIGHT OF ENTRY FOR THE PURPOSES OF EXPLORING FOR, DRILLING, MARKETING OR REMOVING SUCH SUBSTANCES; AS RESERVED IN THAT CERTAIN DEED DATED JULY 15, 1965, EXECUTED BY ELKINS RANCH COMPANY, A CORPORATION, RECORDED JULY 29, 1965 AS DOCUMENT NO. 61068 IN [BOOK 5198, PAGE 448](#) OF OFFICIAL RECORDS.

AND ALSO EXCEPTING THEREFROM ALL OF GRANTOR'S RIGHT, TITLE AND INTEREST IN AND

TO ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, AS RESERVED IN THE DEED RECORDED JULY 29, 1999 AS DOCUMENT NO. [1999-0111572](#), OFFICIAL RECORDS.

APN: 028-111-09

PARCEL 4:

THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE FRACTIONAL SECTION 30, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM ALL MINERALS, OIL, GAS AND OTHER HYDROCARBON SUBSTANCES WITHIN OR UNDERLYING SAID LAND, AS RESERVED IN THE DEED FROM HELEN RORDEN MAUPIN, FORMERLY HELEN RORDEN GOW, RECORDED MAY 05, 1966, AS DOCUMENT NO. [34691](#), OFFICIAL RECORDS.

APN: PORTION OF 028-111-02

PARCEL 5:

THE NORTH HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF FRACTIONAL SECTION 30, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM THE NORTH 50 FEET THEREOF;

ALSO EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT BY THE GRANTORS OR THEIR LESSEES TO GO UPON SAID PROPERTY AT ANY TIME HEREAFTER FOR THE PURPOSES OF DEVELOPING AND EXTRACTING OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES FROM SAID LAND; AS RESERVED IN THE DEED FROM H. C. REECE, ALSO KNOWN AS HERMAN C. REECE AND IRENE REECE, HUSBAND AND WIFE, RECORDED JUNE 13, 1974, AS DOCUMENT NO. [44499](#), IN BOOK 6311, PAGE 673 OF OFFICIAL RECORDS.

APN: PORTION OF 028-111-02

PARCEL 6:

THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM ONE-HALF OF ALL MINERAL RIGHTS IN AND UNDER SAID LAND, AS RESERVED IN THE DEED FROM JAY THEODORE RUSMORE TO H. C. REECE AND IRENE REECE, HUSBAND AND WIFE, DATED DECEMBER 05, 1969, RECORDED DECEMBER 24, 1969, AS DOCUMENT NO. 97041, IN [BOOK 5746, PAGE 146](#) OF OFFICIAL RECORDS;

ALSO EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT BY THE GRANTORS OR THEIR LESSEES TO GO UPON SAID PROPERTY AT ANY TIME HEREAFTER FOR THE PURPOSES OF DEVELOPING AND EXTRACTING OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES FROM SAID LAND; AS RESERVED IN THE DEED FROM H. C. REECE, ALSO KNOWN AS HERMAN C. REECE AND IRENE REECE, HUSBAND AND WIFE, RECORDED JUNE 13, 1974, AS DOCUMENT NO. [44499](#), IN BOOK 6311, PAGE 673 OF OFFICIAL RECORDS.

APN: 028-111-04

PARCEL 7:

ALL OF SECTION 20, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THE SOUTHEAST QUARTER OF SAID SECTION 20.

ALSO EXCEPTING THEREFROM THE SOUTH 50 FEET OF SAID SECTION 20.

APN: 028-071-34

PARCEL 8:

THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPT THE SOUTH 50 FEET THEREOF AS GRANTED TO THE COUNTY OF FRESNO.

APN: 028-071-39

PARCEL 9:

FRACTIONAL SECTION 30, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM THE EAST 1/2 OF THE NORTHEAST 1/4;

ALSO EXCEPTING THEREFROM AN UNDIVIDED 1/4 INTEREST IN AND TO ALL OIL, GAS, HYDROCARBONS AND MINERALS, AS GRANTED TO WALTER B. MAYER, GERTRUDE W. MAYER, HIS WIFE, AND FRANK MAYER AND ANNIE MAYER, HIS WIFE, BY DEED RECORDED FEBRUARY 21, 1950 IN [BOOK 2974, PAGE 504](#) AS DOCUMENT NO. 11117 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION OF THE WEST 1/2 OF SAID SECTION 30 AS CONVEYED TO THE STATE OF CALIFORNIA IN THE DEED RECORDED FEBRUARY 05, 1960 IN BOOK 4339, PAGE 272 AS DOCUMENT NO. [9195](#) OF OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION, SAID SOUTHWEST CORNER BEING AT COORDINATES Y=460,000.220 FEET AND X=1592578.160 FEET; THENCE (1) ALONG THE WEST LINE OF SAID SECTION, NORTH 01° 18' 31" EAST, 5307.60 FEET TO THE NORTH LINE OF SAID SECTION; THENCE (2) ALONG SAID NORTH LINE, SOUTH 88° 37' 37" EAST, 141.64 FEET; THENCE (3) SOUTH 61° 18' 31" WEST, 82.72 FEET TO THE EAST LINE OF THE WEST 70 FEET OF SAID SECTION; THENCE (4) ALONG SAID EAST LINE, SOUTH 01° 18' 31" WEST, 5224.71 FEET; THENCE (5) SOUTH 58° 41' 29" EAST, 82.72 FEET TO THE SOUTH LINE OF SAID SECTION; THENCE (6) ALONG SAID SOUTH LINE, NORTH 88° 41' 39" WEST, 141.64 FEET TO THE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF FRESNO BY DEEDS RECORDED JULY 22, 1966 IN [BOOK 5339, PAGES 404 THROUGH 407 AND 408](#), AS DOCUMENT NOS. [54601](#) AND [54602](#) OF OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

THE NORTH 50 FEET OF SAID SECTION 30, EXCEPTING THEREFROM THE NORTHEAST 1/4 OF

THE NORTHEAST 1/4; ALSO EXCEPTING THEREFROM THE FOLLOWING:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 30, SAID NORTHWEST CORNER BEING AT COORDINATES Y=465306.068 AND X=1592699.352 FEET; THENCE (1) EASTERLY, ALONG THE NORTH LINE OF SAID SECTION 30, SOUTH 88° 37' 37" EAST, A DISTANCE OF 141.64 FEET; THENCE (2) SOUTHWESTERLY, SOUTH 61° 18' 31" WEST, A DISTANCE OF 82.72 FEET; THENCE (3) SOUTHERLY, SOUTH 01° 18' 31" WEST, A DISTANCE OF 8.56 FEET; THENCE (4) WESTERLY, NORTH 88° 37' 37" WEST, A DISTANCE OF 70 FEET; THENCE (5) NORTHERLY, ALONG THE WEST LINE OF SAID SECTION 30, NORTH 01° 18' 31" EAST, A DISTANCE OF 50 FEET TO THE POINT OF BEGINNING.

AND ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF FRESNO BY DEED RECORDED JUNE 01, 1994 AS DOCUMENT NO. [94091739](#) OF OFFICIAL RECORDS, AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 30; THENCE EASTERLY ALONG THE NORTH LINE OF SAID SECTION, SOUTH 88° 38' 32" EAST, 141.64 FEET TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF STATE ROUTE 33 (DERRICK AVENUE); THENCE SOUTH 01° 18' 10" WEST, 50.00 FEET, TO A POINT ON A LINE 50 FEET SOUTHERLY OF AND PARALLEL TO THE NORTH LINE OF SAID SECTION, SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE SOUTH 46° 18' 10" WEST, 101.31 FEET TO A POINT ON A LINE 70 FEET EASTERLY OF AND PARALLEL TO THE WEST LINE OF SAID SECTION, SAID LINE ALSO BEING THE EAST RIGHT-OF-WAY LINE OF STATE ROUTE 33 (DERRICK AVENUE); THENCE ALONG SAID RIGHT-OF-WAY LINE, NORTH 01° 18' 10" EAST, 71.71 FEET; THENCE ALONG A LINE 50 FEET SOUTHERLY OF AND PARALLEL TO THE NORTH LINE OF SAID SECTION, SOUTH 88° 38' 32" EAST, 71.64 FEET, TO THE TRUE POINT OF BEGINNING.

APN:028-111-01

PARCEL 10:

THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

APN: 028-111-06

PARCEL 11:

THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES AS RESERVED IN GRANT DEED RECORDED JANUARY 2, 2004 AS INSTRUMENT NO. [2004-0000205](#) OF OFFICIAL RECORDS.

APN 028-071-48

PARCEL 12:

THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THE SOUTH 50 FEET OF SAID SOUTHEAST QUARTER.

EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES AS RESERVED IN GRANT DEED RECORDED JANUARY 2, 2004 AS INSTRUMENT NO. [2004-0000205](#) OF OFFICIAL RECORDS.

APN 028-071-49

PARCEL 13:

THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER AND THE SOUTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES AS RESERVED IN GRANT DEED RECORDED JANUARY 2, 2004 AS INSTRUMENT NO. [2004-0000205](#) OF OFFICIAL RECORDS.

APN 028-071-45

PARCEL 14:

THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES AS RESERVED IN GRANT DEED RECORDED JANUARY 2, 2004 AS INSTRUMENT NO. [2004-0000205](#) OF OFFICIAL RECORDS.

APN 028-071-44

PARCEL 15:

THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THE SOUTH 50 FEET OF SAID SOUTHWEST QUARTER.

EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES AS RESERVED IN GRANT DEED RECORDED JANUARY 2, 2004 AS INSTRUMENT NO. [2004-0000205](#) OF OFFICIAL RECORDS.

APN 028-071-47

PARCEL 16:

THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ONE-HALF OF ALL OIL, GAS, MINERALS, HYDROCARBONS AND OTHER SIMILAR RIGHTS BELOW A DEPTH OF 500 FEET MEASURED FROM THE SURFACE OF SAID REAL PROPERTY BUT WITHOUT THE RIGHT OF ENTRY UPON OR THROUGH THE SURFACE OF THE

REAL PROPERTY OR THE UPPER 500 FEET THEREOF, AS RESERVED BY MARILYN ABADIE, A SINGLE WOMAN AND EDMOND E. ABADIE, JR. A SINGLE MAN IN THE DEED TO ROBERT G. KARCHER AND CATHERINE P. KARCHER, HUSBAND AND WIFE, AS JOINT TENANTS AND JOSEPH P. LILLES, JR. AND CAROLYN I. LILLES, HUSBAND AND WIFE, AS JOINT TENANTS, ALL AS TENANTS IN COMMON, RECORDED JULY 14, 1982 IN BOOK 7938, PAGE 140 AS DOCUMENT NO. [58437](#), OFFICIAL RECORDS AND RERECORDED NOVEMBER 14, 1983 AS DOCUMENT NO. [83105601](#), OFFICIAL RECORDS.

APN: 028-071-40

PARCEL 17:

THE EAST HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE UNITED STATES GOVERNMENT TOWNSHIP PLAT APPROVED BY THE SURVEYOR GENERAL ON JANUARY 31, 1855.

APN: PORTION OF 028-111-19

PARCEL 18:

THE SOUTH HALF OF THE NORTHWEST QUARTER AND THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE UNITED STATES GOVERNMENT TOWNSHIP PLAT APPROVED BY THE SURVEYOR GENERAL ON JANUARY 31, 1855.

APN: PORTION OF 028-111-19

PARCEL 19:

THE EAST HALF OF THE NORTHEAST QUARTER AND THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THE FOLLOWING DESCRIBED PARCEL OF LAND:

BEGINNING AT THE NORTHEAST CORNER OF SAID SECTION 28; THENCE (1) WESTERLY ALONG THE NORTH BOUNDARY OF SAID SECTION 28 TO THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28; THENCE (2) SOUTHERLY ALONG THE WEST BOUNDARY OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TO A POINT 50 FEET SOUTH OF THE NORTH BOUNDARY OF SAID SECTION 28 (MEASURED AT RIGHT ANGLES); THENCE (3) EASTERLY, PARALLEL WITH SAID NORTH BOUNDARY TO A POINT WHICH IS 1120.31 FEET WESTERLY OF THE NORTHEAST CORNER OF SAID SECTION 28, (MEASURED ALONG SAID NORTH BOUNDARY), THENCE (4) SOUTHEASTERLY TO A POINT ON THE EAST BOUNDARY OF SAID SECTION 28, SAID POINT BEING 66 FEET SOUTH OF THE NORTH BOUNDARY OF SAID SECTION 28; THENCE (5) NORTHERLY ALONG SAID EAST BOUNDARY TO THE NORTHEAST CORNER OF SAID SECTION 28; THE POINT OF BEGINNING.

ALSO EXCEPT ALL OIL, GAS AND ASPHALTUM AND OTHER CARBON SUBSTANCES AND MINERAL RIGHTS OF WHATSOEVER KIND AND CHARACTER IN AND TO OR UNDER SAID REAL PROPERTY, TOGETHER WITH THE RIGHT TO ENTER UPON SAID PROPERTY AND TO USE THE SAME FOR THE PURPOSE OF EXPLORING AND DEVELOPING AND REMOVING THEREFROM ALL SAID GAS, OIL, ASPHALTUM AND OTHER CARBON SUBSTANCES AND OTHER MINERALS OF EVERY KIND AND CHARACTER, AN UNDIVIDED ONE-HALF INTEREST THEREOF BEING RESERVED IN THE

DEED FROM HOTCHKISS ESTATE COMPANY, A CORPORATION, TO D. J. CANTY ESTATE, A CORPORATION, DATED DECEMBER 30, 1947 FILED FOR RECORD JANUARY 19, 1948 AS DOCUMENT NO. [2679](#), AND A RESERVED IN THE DEED FROM D. J. CANTY ESTATE, A CORPORATION, TO H. C. REECE AND TOM REECE, DATED JANUARY 20, 1948 FILED FOR RECORD MAY 19, 1948 AS DOCUMENT NO. [24532](#), OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM UNTO THE GRANTORS HEREIN ALL REMAINING OIL, GAS, ASPHALTUM AND OTHER CARBON SUBSTANCES AND MINERAL RIGHTS OF WHATSOEVER KIND AND CHARACTER IN AND TO OR UNDER THE PROPERTY DESCRIBED AS RESERVED BY H. C. REECE, ET UX, IN DEED RECORDED FEBRUARY 14, 1986 AS DOCUMENT NO. [86015999](#) OF OFFICIAL RECORDS.

APN: PORTION OF 028-111-20

PARCEL 20:

THE WEST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER AND THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 28, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THE NORTH 50 FEET THEREOF.

ALSO EXCEPTING THEREFROM UNTO THE GRANTORS HEREIN ALL REMAINING OIL, GAS, ASPHALTUM AND OTHER CARBON SUBSTANCES AND MINERAL RIGHTS OF WHATSOEVER KIND AND CHARACTER IN AND TO OR UNDER THE PROPERTY DESCRIBED AS RESERVED BY H. C. REECE, ET UX, IN DEED RECORDED FEBRUARY 14, 1986 AS DOCUMENT NO. [86015999](#) OF OFFICIAL RECORDS.

APN: PORTION OF 028-111-20

PARCEL 21:

THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM AN UNDIVIDED 1/2 INTEREST IN AND TO ALL MINERALS, OIL, GAS AND OTHER HYDROCARBON SUBSTANCES WITHIN OR UNDERLYING SAID LAND, AS RESERVED IN THE DEED FROM PAUL C. KRUIZ, ET UX, RECORDED SEPTEMBER 17, 1965 AS DOCUMENT NO. [74954](#), OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM UNTO THE GRANTORS HEREIN ALL REMAINING OIL, GAS, ASPHALTUM AND OTHER CARBON SUBSTANCES AND MINERAL RIGHTS OF WHATSOEVER KIND AND CHARACTER IN AND TO OR UNDER THE PROPERTY DESCRIBED AS RESERVED BY H. C. REECE, ET UX, IN DEED RECORDED FEBRUARY 14, 1986 AS DOCUMENT NO. [86015999](#) OF OFFICIAL RECORDS.

APN: PORTION OF 028-111-16

PARCEL 22:

THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ONE-HALF OF ALL OIL, GAS AND MINERALS AS EXCEPTED AND RESERVED IN THE DEED FROM HAROLD B. HOWARD, A WIDOWER TO H. C. REECE AND IRENE REECE, HUSBAND AND WIFE, AS JOINT TENANTS, DATED FEBRUARY 08, 1960 AND RECORDED MARCH 03, 1960 IN BOOK 4353, PAGE 182, DOCUMENT NO. [16402](#), OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM UNTO THE GRANTORS HEREIN ALL REMAINING OIL, GAS, ASPHALTUM AND OTHER CARBON SUBSTANCES AND AMORAL RIGHTS OF WHATSOEVER KIND AND CHARACTER IN AND TO OR UNDER THE PROPERTY DESCRIBED AS RESERVED BY H. C. REECE, ET UX, IN DEED RECORDED FEBRUARY 14, 1986 AS DOCUMENT NO. 86016999 OF OFFICIAL RECORDS.

APN: PORTION OF 028-111-16

PARCEL 23:

THE SOUTH HALF OF THE NORTHEAST QUARTER; THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER; AND THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

APN: PORTION OF 028-071-43

PARCEL 24:

THE WEST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 21, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPT AN UNDIVIDED 1/4 INTEREST IN AND TO ALL MINERALS, OIL, GAS AND PETROLEUM AND ALL KINDRED SUBSTANCES WITHIN OR UNDERLYING SAID LAND, RESERVED BY IDA F. MITCHELL, IN DEED RECORDED SEPTEMBER 08, 1947, AS DOCUMENT NO. [46454](#), OFFICIAL RECORDS.

APN: 028-071-41

PARCEL 25:

ALL OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

EXCEPTING THEREFROM AN UNDIVIDED ONE-HALF OF ALL OF THE OIL, GAS AND OTHER HYDROCARBONS IN AND UNDER SAID LAND OR PRODUCED OR SAVED THEREFROM; TOGETHER WITH THE RIGHT AND POWER IN GRANTORS, THEIR SUCCESSORS OR ASSIGNS, IN PERSON OR THROUGH THE AGENCY OF ANY LESSEE, OPERATOR, INDEPENDENT CONTRACTOR OR OTHERWISE, TO MINE FOR, DRILL FOR, PRODUCE, EXTRACT, TAKE AND REMOVE AN UNDIVIDED ONE-HALF OF ALL OF SAID SUBSTANCES (AND WATER FOR GRANTORS' SAID OPERATIONS ON SAID LAND) FROM, AND TO STORE THE SAME UPON, THE SAID LAND WITH THE RIGHT OF ENTRY THEREON AT ALL TIMES FOR SAID PURPOSES; TOGETHER WITH THE RIGHT TO MINE OR DRILL WELLS THEREON, FOR SAID PURPOSES AND TO CONSTRUCT, ERECT, MAINTAIN, OPERATE, USE, REPAIR AND REPLACE THEREON AND REMOVE THEREFROM ALL PIPELINES, TELEPHONE AND TELEGRAPH LINES, DERRICKS, TANKS, MACHINERY, BUILDINGS AND OTHER STRUCTURES WHICH GRANTORS, THEIR SUCCESSORS OR ASSIGNS, MAY DESIRE IN CARRYING ON ANY SUCH OPERATION, INCLUDING ALL RIGHTS NECESSARY OR CONVENIENT THERETO, TOGETHER WITH THE RIGHTS OF WAY FOR PASSAGE OVER, UPON AND ACROSS, AND INGRESS AND EGRESS TO AND FROM SAID LAND FOR SUCH PURPOSES, AS

RESERVED IN THE DEED FROM JOHN B. JAGO, ET AL, DATED DECEMBER 24, 1946, RECORDED FEBRUARY 03, 1947 AS DOCUMENT NO. [6655](#) OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF FRESNO BY DEED RECORDED JUNE 14, 1966 IN BOOK 5341, PAGE 497 AS DOCUMENT NO. [55947](#) OF OFFICIAL RECORDS.

AND ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF FRESNO BY DEED RECORDED JANUARY 06, 1995 AS DOCUMENT NO. [95002091](#) OF OFFICIAL RECORDS.

AND ALSO EXCEPTING THEREFROM ALL OF GRANTOR'S RIGHT, TITLE AND INTEREST IN AND TO ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, AS RESERVED IN THE DEED RECORDED JULY 29, 1999, AS DOCUMENT NO. [1999-0111576](#) OF OFFICIAL RECORDS.

APN: 028-081-66

PARCEL 26:

THE NORTHEAST QUARTER AND THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 27, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OF THE MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER NOW KNOWN TO EXIST OR HEREAFTER DISCOVERED UPON, WITHIN OR UNDERLYING THE HEREINABOVE DESCRIBED PROPERTY OR THAT MAY BE PRODUCED THEREFROM, INCLUDING, WITHOUT LIMITED THE GENERALITY OF THE FOREGOING, ALL OIL, NATURAL GAS AND HYDROCARBON SUBSTANCES, GEOTHERMAL STEAM, BRINES AND MINERALS IN SOLUTION, AND SAND, GRAVEL AND AGGREGATES, AND PRODUCTS DERIVED THEREFROM, AS GRANTED TO BRAVO OIL COMPANY IN DEED RECORDED DECEMBER 29, 1965, AS DOCUMENT NO. [104217](#) OF OFFICIAL RECORDS.

APN: 028-120-62

PARCEL 27:

THE SOUTH HALF OF SECTION 27, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OF THE MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER NOW KNOWN TO EXIST OR HEREAFTER DISCOVERED UPON, WITHIN OR UNDERLYING THE HEREINABOVE DESCRIBED PROPERTY OR THAT MAY BE PRODUCED THEREFROM, INCLUDING, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ALL OIL, NATURAL GAS AND HYDROCARBON SUBSTANCES, GEOTHERMAL STEAM, BRINES AND MINERALS IN SOLUTION, AND SAND, GRAVEL AND AGGREGATES, AND PRODUCTS DERIVED THEREFROM, AS GRANTED TO BRAVO OIL COMPANY IN DEED RECORDED DECEMBER 29, 1965, AS DOCUMENT NO. [104217](#) OF OFFICIAL RECORDS.

APN: 028-120-61

PARCEL 28:

THE SOUTH HALF OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

APN: 028-111-13

PARCEL 29:

THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

APN: 028-111-15

PARCEL 30:

THE WEST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OF GRANTOR'S RIGHT, TITLE AND INTEREST IN AND TO ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, AS RESERVED BY MARY G. PICKFORD TABERSKI, IN DEED RECORDED JANUARY 20, 2004 AS DOCUMENT NO. [2004-0013261](#), OFFICIAL RECORDS.

APN: 028-111-14

PARCEL 31:

THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 15 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

APN: 028-111-17

PARCEL 32:

ALL THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 15 SOUTH, RANGE 14 EAST, M.D.B. & M., COUNTY OF FRESNO, CALIFORNIA, DESCRIBED AS FOLLOWS;

THE SOUTH 200 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 25.

EXCEPTING THEREFROM THE EAST 30 FEET OF SECTION 25 LYING WITHIN STATE HIGHWAY 33 AS DESCRIBED IN GRANT DEED RECORDED AUGUST 4, 1958 IN [BOOK 4097, PAGE 371](#) OF OFFICIAL RECORDS.

EXCEPT AN UNDIVIDED ONE-HALF OF ALL THE MINERALS, GAS, OILS, PETROLEUM, NAPHTHA AND OTHER HYDROCARBON SUBSTANCES IN, ON OR UNDER SAID LAND, AS RESERVED IN THE DEED FROM LESLIE E. SMITH AND NOLA D. SMITH, HIS WIFE, RECORDED MAY 23, 1942 IN [BOOK 2002, PAGE 177](#), OFFICIAL RECORDS AS TO THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 15 SOUTH, RANGE 14 EAST, M.D.B. & M., ACCORDING TO THE OFFICIAL PLAT THEREOF.

ALSO EXCEPTING THEREFROM ALL OIL, GAS AND OTHER HYDROCARBONS UNDERNEATH THE SURFACE OF SAID LAND, TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS OVER AND UPON THE SURFACE THEREOF FOR THE PURPOSE OF PROSPECTING, DRILLING FOR AND PRODUCING OIL, GAS AND/OR OTHER HYDROCARBONS AS RESERVED BY R. V. COBB AND

RUTH E. COBB, HIS WIFE, AND EMERY LEE COBB AND JOSEPHINE COBB, HIS WIFE, IN DEED RECORDED SEPTEMBER 19, 1952 IN [BOOK 3212, PAGE 113](#) OF OFFICIAL RECORDS, DOCUMENT NO. 49174 AS TO THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 15 SOUTH, RANGE 14 EAST, M.D.B.& M., ACCORDING TO THE OFFICIAL PLAT THEREOF.

ALSO EXCEPTING THEREFROM AN UNDIVIDED ONE-HALF INTEREST IN ALL GAS, MINERALS AND OTHER HYDROCARBONS IN AND UNDERLYING SAID LAND, TOGETHER WITH ALL EASEMENTS AND RIGHTS NECESSARY FOR INGRESS AND EGRESS THEREOF FOR PRODUCTION, STORAGE, EXPLORATION, TESTING, ETC., AS RESERVED BY MELVILLE E. WILLSON COMPANY, IN DEED RECORDED APRIL 29, 1966 IN BOOK 5307, PAGE 98 OF OFFICIAL RECORDS, DOCUMENT NO. [32946](#) AS TO THE SOUTH HALF OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 15 SOUTH, RANGE 14 EAST, M.D.B.& M., ACCORDING TO THE OFFICIAL PLAT THEREOF.

NOTE: THIS LEGAL DESCRIPTION IS FOR INFORMATION PURPOSES AND NOT TO BE USED FOR CONVEYANCES EXCEPT FOR EASEMENTS OR LEASES.

APN: PORTION OF 028-101-72 AND PORTION OF 028-101-74

The First American Corporation
First American Title Company
Privacy Policy

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our parent company, The First American Corporation, we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information which you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values, a copy of which can be found on our website at www.firstam.com.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies, and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies, or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

**CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)
EXCLUSIONS**

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

- 1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - (a) building;
 - (b) zoning;
 - (c) land use;
 - (d) improvements on the Land;
 - (e) land division; and
 - (f) environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

- 2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
- 3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
- 4. Risks:
 - (a) that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - (b) that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - (c) that result in no loss to You; or
 - (d) that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
- 5. Failure to pay value for Your Title.
- 6. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - (b) in streets, alleys, or waterways that touch the Land.
 This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
- 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows: For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$10,000.00
Covered Risk 18: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 19: 1% of Policy Amount or \$5,000.00 (whichever is less)	\$25,000.00
Covered Risk 21: 1% of Policy Amount or \$2,500.00 (whichever is less)	\$5,000.00

**ALTA RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)
EXCLUSIONS**

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

- 1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
 - (a) and use
 - (b) improvements on the land
 - (c) and division
 - (d) environmental protection

This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date.

This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.

- 2. The right to take the land by condemning it, unless:
 - (a) a notice of exercising the right appears in the public records on the Policy Date
 - (b) the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking

3. Title Risks:
 - (a) that are created, allowed, or agreed to by you
 - (b) that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
 - (c) that result in no loss to you
 - (d) that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
4. Failure to pay value for your title.
5. Lack of a right:
 - (a) to any land outside the area specifically described and referred to in Item 3 of Schedule A OR
 - (b) in streets, alleys, or waterways that touch your land

This exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. a. Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - i. the occupancy, use, or enjoyment of the Land;
 - ii. the character, dimensions, or location of any improvement erected on the Land;
 - iii. the subdivision of land; or
 - iv. environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- b. Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - a. created, suffered, assumed, or agreed to by the Insured Claimant;
 - b. not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - c. resulting in no loss or damage to the Insured Claimant;
 - d. attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - e. resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - a. a fraudulent conveyance or fraudulent transfer, or
 - b. a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. a. Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - i. the occupancy, use, or enjoyment of the Land;
 - ii. the character, dimensions, or location of any improvement erected on the Land;
 - iii. the subdivision of land; or
 - iv. environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.

b. Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - a. created, suffered, assumed, or agreed to by the Insured Claimant;
 - b. not Known to the Company, not recorded in the Public Records at Date of Policy, but known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - c. resulting in no loss or damage to the Insured Claimant;
 - d. attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - e. resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - a. a fraudulent conveyance or fraudulent transfer, or
 - b. a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. a. Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - i. the occupancy, use, or enjoyment of the Land;
 - ii. the character, dimensions, or location of any improvement erected on the Land;
 - iii. the subdivision of land; or
 - iv. environmental protection;

or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- b. Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - a. created, suffered, assumed, or agreed to by the Insured Claimant;
 - b. not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - c. resulting in no loss or damage to the Insured Claimant;
 - d. attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - e. resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - a. a fraudulent conveyance or fraudulent transfer, or
 - b. a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix F
INTERVIEW FORMS
April 28, 2016

**Appendix F
INTERVIEW FORMS**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE SCARLET LLC**

Appendix G
STANTEC RESUMES
April 28, 2016

**Appendix G
STANTEC RESUMES**

Michael Myers

Staff Scientist



Mr. Myers has seven years of experience conducting environmental and hydrogeologic investigations. He has performed groundwater monitoring at numerous solid waste landfills, a Superfund site, as well as many additional project sites. Mr. Myers is adept at health and safety plans, Phase I and Phase II environmental site assessments, air and groundwater monitoring, soil sampling, and report preparation. In addition, he is trained in hazardous waste materials management.

EDUCATION

BS, Environmental Resource Management,
California State University, Bakersfield, California,
2006

OSHA 40-Hour Hazardous Waste Operations
(HAZWOPER), Fresno, California, 2008

OSHA 8-Hour Supervisor Course (HAZWOPER),
Fresno, California, 2008

Loss Prevention System (LPS) Training, Fresno,
California, 2008

Site Health and Safety officer, Fresno, California,
2010

Hazard Analysis Training, Fresno, California, 2014

PROJECT EXPERIENCE

Environmental Site Assessments Phase I, II, III
Phase I ESAs, Kern County, California (Project
Scientist)

As Project Scientist Michael conducted nine Phase I ESAs for Kern County on properties to be included in the desert tortoise habitat areas.

Phase I and Phase II ESA, Mendota, California
(Project Scientist)

As Project Scientist Michael conducted a Phase I and Phase II ESA for a solar facility.

Phase I and Phase II ESAs, Fresno and Kings County,
California (Project Scientist)

As Project Scientist Michael conducted multiple Phase I and Phase II ESAs on agricultural land for the potential purchase and development into solar facilities.

Archaeological Investigation, Madera County,
California (Staff Scientist)

Michael oversaw an archaeological investigation at a site in Madera County for a construction company.

Phase I ESA, Fresno County, California (Staff
Scientist)

As Staff Scientist Michael conducted Phase I ESAs of petroleum impacts near Coalinga, California.

Oil & Gas

Caltrans Maintenance Station, Fresno County,
California (Staff Scientist)

Michael conducts quarterly groundwater monitoring at the Caltrans Coarsegold Maintenance Station. He performs operation and maintenance of the groundwater and vadose zone treatment system, as well as conducts air sampling.

Former UST Site, Lake County, California (Staff
Scientist)

Michael performed groundwater monitoring and sampling at the Lakeshore Fire Department in Lake County, California.

Toro Petroleum Facility, King City, California

Michael has conducted the groundwater monitoring at the Site and performed a one week pilot study of a soil vapor extraction remediation system, collecting periodic samples to determine the efficiency of the system and its effect on the site contamination.

Purity Oil Superfund Site, Fresno County, California
(Staff Scientist)

Michael has conducted air monitoring at the Purity Oil Superfund Site to help assess environmental impacts from site closure activities and past disposal practices. He also performs quarterly groundwater monitoring and sampling, compiles the analytical data, and prepares the quarterly reports.

Antelope Valley Pump Station, San Luis Obispo
County, California (Project Scientist)

* denotes projects completed with other firms

Michael Myers

Staff Scientist

Michael has conducted the quarterly groundwater monitoring at the Site. He was the Health and Safety Officer for the site during the ground clearing of the Site and during the monitoring well installation and development of the Site. He performs the product recovery at the Site.

**Toro Petroleum Facility, Pacific Grove, California
(Project Scientist)**

Michael has conducted the groundwater monitoring at the Site and performed a one week pilot study of a soil vapor extraction remediation system, collecting periodic samples to determine the efficiency of the system and its effect on the site contamination.

**Chevron Grover Beach, Grover Beach, California
(Project Scientist)**

Michael has conducted the groundwater monitoring at the Site and performed a one week pilot study of a soil vapor extraction remediation system, collecting periodic samples to determine the efficiency of the system and its effect on the site contamination.

**Phillips 66 at 8th and Cholame, Cholame, California
(Project Scientist)**

Michael conducted air monitoring, soil sampling and provided supervision for the onsite excavation activities during oil pipeline decommissioning and refurbishing.

Solid Waste

**Riverside Cement Company, San Bernardino
County, California (Staff Scientist)**

Michael performs quarterly groundwater monitoring and sampling at the Riverside Cement Company in Oro Grande, California. He also assists with compiling the analytical data and preparing the semi-annual reports, as well as performs quarterly site inspections.

**Blue Hills Solid Waste Disposal Site, Fresno County,
California (Staff Scientist)**

Michael performs groundwater monitoring and sampling at the Blue Hills Solid Waste Disposal Site. He also assists with compiling the analytical data and preparing reports.

Water

WalMart, Tulare County, California (Staff Scientist)

Michael follows the requirements of the SWPPP including storm water sampling and inspection of the facility relative to best management practices for storm water pollution prevention.

**Spring Fair Site, Los Banos, California (Project
Scientist)**

Michael is the project manager for the Site. He supervised and performs the groundwater monitoring and sampling, monitoring well installations, and development. He conducted a two month pilot study of a mobile soil vapor extraction remediation system, collecting periodic samples to determine the efficiency of the system and its effect on the site contamination.

He prepares the quarterly groundwater monitoring reports

**Corporate Maintenance Yard, Gustine, California
(Project Scientist)**

Michael is the project manager for the Site. He supervises and performs the groundwater monitoring and sampling, performs the operation and maintenance of the Bio-sparg treatment system. He monitors the soil vapor points monthly and collected soil vapor samples. He prepares the quarterly groundwater monitoring reports

* denotes projects completed with other firms

Ralph has more than 25 years of experience in conducting and managing environmental investigations and remediation projects including monitoring well installations and development, hydraulic testing, soil and groundwater remediation, waste compliance and disposal, pipeline investigation (Old Valley Line), and underground storage tank (UST) removal and remediation. He is skilled at conducting site investigations, remediation, and waste disposal. Additionally, Ralph has more than 4 years of experience working with the U.S. Army Corps of Engineers providing his services on numerous Army Air Force Base projects.

EDUCATION

BS, Geology, California State University, Fullerton, Fullerton, California, 1994

REGISTRATIONS

Professional Geologist #7454, State of California

PROJECT EXPERIENCE

Oil & Gas

Purity Oil Sales Superfund Site, Golden State Market, UST Removal, Fresno, California (Project Manager)

Ralph served as project manager for the removal of three 6,000-gallon USTs. Investigation of petroleum hydrocarbon impacted soil was conducted. He supervised the purging and cleaning of the USTs prior to their removal from the sites and prepared the UST removal and closure report for the site.

Purity Oil Sales Superfund Site, Malaga, California (Project Manager)

For this Chevron site, Ralph manages all field activities associated with groundwater monitoring, pest control, maintenance of the cap, site inspections, and overall maintenance of the site. Ralph also manages and schedules the testing and discharging of purge water, and report preparation. Ralph coordinated the proper disposal of potassium permanganate from the groundwater treatment system at Purity.

Purity Oil Sales Superfund Site, Malaga, California (Project Manager)

For this Chevron site, Ralph served as the field manager for the preparation an installation of replacement monitoring wells. Ralph supervised the delivery of the rolloff bins for the drill cuttings, reviewed the analytical reports from the composite sampling, and coordinated the removal and disposal of the soil cuttings.

Los Banos Fairgrounds Maintenance Facility, Los Banos, California (Project Manager)

Ralph manages the investigation and quarterly groundwater monitoring and reporting of the Los Banos Fairgrounds Maintenance Facility. Ralph managed the installation of four additional groundwater monitoring wells to further determine the extent of petroleum hydrocarbon-impacted groundwater. He also coordinated the waste compliance and proper disposal of waste products from the drilling and sampling activities. Ralph prepares quarterly groundwater monitoring reports for submittal to the Regional Water Quality Control Board.

Gustine Corporation Yard Site, Gustine, California (Project Manager)

Ralph manages the quarterly groundwater monitoring and reporting at the Gustine Corporation Yard Site for the Merced County Department of Public Works. Ralph also manages the air-sparging and bio injection wells at the site as part of an existing remediation system to cleanup a dissolved hydrocarbon plume. Ralph has also coordinated the characterization and removal of waste drums previously left at the site.

Old Valley Pipeline Investigation, Stratford, California

Ralph managed the installation of nine soil borings to evaluate the presence and extent of petroleum-impacted soil and groundwater along Chevron's former Old Valley Pipeline near Stratford, California. Eight of the nine borings were advanced to the top of the groundwater and one boring (B-6) was extended to 15 feet below the water table. Ralph coordinated all field activities including compliance with soil cuttings and purge water waste disposal. The investigation also included a health risk assessment, a sensitive receptor survey, and an ecological receptor survey.

Ralph Carson PG

Senior Geologist

Former Oil Field Investigations, Coalinga, California
Ralph managed and performed the geologic investigation at former oil field sump locations in Coalinga, California. The project involves bore hole and test pit logging and classification of the local soils. The investigation involves collecting soil samples and evaluating the horizontal and vertical extent of impacted soil contamination to 45 feet below ground surface.

No Further Action Report and Monitoring Well Decommissioning, Clearlake, California (Project Manager/Senior Geologist)
Based on the natural attenuation of the groundwater contamination from the leaking USTs, Ralph requested closure of the site. The Regional Water Quality Control Board requested a No Further Action Report for the site, which was prepared under Ralph's supervision. Based on the report, and under his supervision, the site was closed and the monitoring wells were decommissioned. Ralph also prepared a report summarizing the well decommissioning activities.

Quarterly Groundwater Monitoring and Field Investigation of Former UST Site, Clearlake, California (Project Manager/Senior Geologist)
Ralph performed and supervised the quarterly groundwater monitoring at the leaking former underground storage tank site and worked with the Regional Water Quality Control Board to bring the site into compliance with California regulations. He performed additional groundwater and soil gas investigations at the site to move it towards closure.

Environmental Site Remediation

Environmental Oversight*, Saipan
Ralph managed and performed the abandonment of a World War II-era oil-water separator and the repair of a large above ground storage tank bunker in Saipan.

Decommissioning Monitoring Wells*, Guam
Ralph managed the abandonment of two groundwater monitoring wells in Guam. The 200-foot-deep monitoring wells were overdrilled to remove the casings. The boreholes were then grouted with a bentonite/cement mixture.

Hickam Air Force Base Subsurface Plume Remedial Design and Monitoring*, Honolulu, Hawaii (Associate Geologist)

Ralph performed downhole camera logging of monitoring wells at Hickam Air Force Base to determine the current condition of the wells. He supervised the biofouling of 50 groundwater monitoring and recovery wells. Acid treated and purged the wells allowing them to be returned to service. Ralph performed downhole camera logging of monitoring wells to determine the effectiveness of the biofouling. After the wells were returned to service, he performed quarterly groundwater measurements and corrected them for tidal influences and LNAPL. He also prepared the quarterly groundwater monitoring reports for the project.

Tripler Army Medical Center Landfill Engineering Feasibility Report*, Honolulu, Hawaii (Associate Geologist)

Ralph prepared the Engineering Feasibility Study that evaluated various remedial alternatives to cleanup and/or capping the landfill.

Tripler Army Medical Center Landfill Comprehensive Field Investigation Report*, Honolulu, Hawaii (Associate Geologist)

Ralph managed the geologic and hydrogeologic investigation at Tripler Army Medical Center Landfill. The project involved multiple borings and soil classification of the local soils and bedrock, mapping of the site and local outcrops, and installation of monitoring well and lysimeters in and around the landfill. He determined the horizontal and vertical extent of the soil and groundwater contamination. A site conceptual model was created for the landfill based on the field work and report. Ralph also prepared a report summarizing the field investigation work and site conceptual model.

* denotes projects completed with other firms

Ralph Carson PG

Senior Geologist

Site Investigation and Remedial Action Report for the North Fuel Depot and Installation of a Multi-Phase Extraction System, Kunsan Army Base, Korea (Associate Geologist)

Ralph managed and performed an investigation at the fuel depot at Kunsan Army Base. The investigation involved bore hole logging and classification of soils, collection of soil samples for analyses, and installation of monitoring wells and lysimeters. The wells were purged and sampled for analyses. The investigation identified the horizontal and vertical extent of the contamination within the soil and groundwater. Groundwater elevations were used to determine the groundwater flow direction and gradient. Ralph performed a groundwater pumping test to define the hydrogeologic conditions at the site. Isopach maps were drawn delineating the contamination concentrations. A multi-phase extraction system was designed and installed onsite to remediate the contaminated groundwater. He also developed a site conceptual model of the site from the field work and remediation of the petroleum contamination is ongoing.

Remedial Investigation Report, Kunia Army Depot Field Station*, Hawaii (Associate Geologist)

Ralph managed and performed the geologic and hydrogeologic investigation at the 200,000-gallon underground storage tank at Kunia Army Depot in Kunia, Hawaii. The project involved bore hole logging and classification of the local soils and bedrock. The investigation involved collecting soil samples and evaluating the horizontal and vertical extent of impacted soil contamination to 200 feet below the ground surface. Ralph developed a site conceptual model for the area based on the field work and report. The petroleum contamination will be remediated by natural attenuation.

Caltrans, Soil Vapor Extraction and Air Sparge System Construction Management and Operation, Maintenance, and Monitoring, Coarsegold, California (Task Order Manager)

As Task Order Manager, Ralph supervises the re-starting and repair of a soil-vapor extraction and air-sparging remediation system at this UST site. The project involves the re-starting of the system, air monitoring and sampling, groundwater monitoring and sampling, and site inspections. He prepares monthly status reports and quarterly reports and the groundwater and SVE and air-sparging remediation system. Ralph also coordinated the change out and disposal of carbon in the treatment system.

Solid Waste

Gas Probe Installations, Kern County, California (Project Manager/Senior Geologist)

Ralph supervised the installation of multiple gas probes around the perimeter of the site using air rotary drilling. Additionally, he prepared the installation report summarizing the field work at the site.

Sampling and Analyses Plan and Quarterly Groundwater Monitoring, Coalinga, California (Senior Geologist)

Ralph assisted in the preparation of the Sampling and Analyses Plan for this site. He is continuing to supervise the groundwater monitoring and sampling at the site and reviews the semi-annual reports.

Hydrogeologic Investigation and Quarterly Groundwater Monitoring, Confidential Client, Oro Grande, Oro Grande (Senior Geologist)

Ralph managed all field activities associated with the hydrogeologic investigation of the nature and extent of hexavalent chromium in the groundwater. This involved groundwater monitoring, well and piezometer installation, geophysical surveys, hydraulic testing (constant-discharge pumping tests and slug tests), long-term groundwater level monitoring, and treatment and disposal of Cr6-impacted groundwater.

Water

Fracture Analysis San Lorenzo River, Felton, California (Associate Geologist)

Ralph performed a fracture analysis of the bedrock exposures on the banks of the San Lorenzo River and the surrounding area. The fracture analysis was used to assess the movement of petroleum hydrocarbons in the groundwater.

Step-Drawdown and Constant Rate Pumping Tests at Comingled Plume, Julian, California (Senior Geologist)

Ralph performed the step-drawdown and constant rate pumping test at the comingled plume site. After completion of the pumping test, the groundwater recovery level were monitored. The data from the pumping tests were used to develop the site conceptual model.

* denotes projects completed with other firms

Ralph Carson PG

Senior Geologist

Groundwater Assessment in Tidally Influenced Soils and Coral Reef Deposits, Honolulu, Hawaii (Senior Geologist)

Ralph determined the groundwater flow directions within the buried soil and coral reef deposits at the site. The groundwater elevations were influenced by the tidal flux from the adjacent lagoon and the sea walls dampening effects on the tides. Groundwater gradient maps and a site conceptual model were designed and data gaps were identified based on the site conceptual model.

Groundwater Monitoring, Various Sites, California

Ralph is managing quarterly groundwater monitoring and reports at numerous sites. The project involves the groundwater gauging and sampling of monitoring wells. Ralph also develops groundwater gradient maps and isoconcentration maps of the contaminants of concern.

* denotes projects completed with other firms

Appendix J2

Phase II Environmental Site Assessment
RE Scarlet LLC

**Phase II Environmental Site
Assessment,
RE Scarlet LLC**



Prepared for:
RE Scarlet LLC
300 California Street, 7th Floor
San Francisco, California 94104

Prepared by:
Stantec Consulting Services Inc.
3475 West Shaw Ave., Suite 104
Fresno, California 93711

Project Number 185703320

April 28, 2016

Sign-off Sheet

This Phase II Environmental Site Assessment, RE Scarlet LLC was prepared by Stantec Consulting Services Inc. for RE Scarlet LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the master environmental consulting services agreement between Stantec Consulting Services Inc. and the client (the "MSA"), the MSA shall control.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase II Environmental Site Assessment have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

Prepared by 
(signature)

Michael Myers
Project Scientist

Reviewed by 
(signature)

Ralph Carson, PG
Senior Geologist

Approved by 
(signature)

Kyle Emerson, CEG 1271
Managing Principal Geologist





Stantec Consulting Services Inc.
3475 W. Shaw Ave., #104
Fresno California 93711
Tel: (559) 271-2650
Fax: (559) 271-5108

Executive Summary

April 28, 2016

Ms. Marisa Mitchell
RE Scarlet LLC
300 California Street, 7th Floor
San Francisco, California 94104

RE: PHASE II ENVIRONMENTAL SITE ASSESSMENT

RE Scarlet LLC
Fresno County, California

Dear Ms. Mitchell:

At the request and authorization of RE Scarlet LLC, Stantec Consulting Services Inc. (Stantec) has prepared this report detailing the results of a Phase II Environmental Site Assessment (ESA) completed at the above referenced property (the "Property" or the "Site"). This Phase II ESA was completed in accordance with the Master Services Agreement between RE Scarlet LLC and Stantec, as also specified in Stantec's *Proposal for Phase II Environmental Site Assessment*, dated February 26, 2016. The results of the completed work are summarized in the following Executive Summary and described in greater detail in the attached report.

EXECUTIVE SUMMARY

The Phase II ESA was conducted based on the results of Stantec's assessment in connection with the Phase I ESA for the RE Scarlet LLC parcels prepared by Stantec, dated April 28, 2016. Historic records indicate that the Property was used for agricultural purposes from prior to 1955 to the present. Pesticides and heavy metal-containing herbicides are often used at properties historically used for agricultural purposes.

As a result, Stantec recommended performing a Phase II subsurface investigation to sample and analyze the soil to determine whether pesticides, or the heavy metals that typically accompany herbicide application (i.e., arsenic and lead), were present at concentrations exceeding regulatory thresholds, human health risk criteria, or hazardous waste levels. Eighty eight shallow soil samples were collected across the Property on March 22, 2016. The soil samples were collected to evaluate whether residual organochlorine pesticides, arsenic, and/or lead exist at levels of concern for construction workers and Site development. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the historical agricultural use of the Property.



Reference: RE Scarlet LLC Phase II Environmental Site Assessment

Chemical analysis of the shallow soil samples for organochlorine pesticides was performed using EPA Method 8081. Chemical analysis of the shallow soil samples reported organochlorine pesticides results above their PQLs for 4,4'-dichlorodiphenyl dichloroethane (DDD), 4,4'-dichlorodiphenyl dichloroethylene (DDE), 4,4'-dichlorodiphenyl trichloroethane (DDT), alpha-chlordane, chlordane, gamma-chlordane, dieldrin, and toxaphene. All of the reported detections were below the United States Environmental Protection Agency Regional Screening Level (EPA RSL) for outdoor workers and below the California Office of Environmental Health Hazard Assessment California Human Health Risk Screening Levels (CHHSLs) for commercial/industrial land use. Therefore, Stantec concludes that pesticides do not represent a recognized environmental condition (REC) to the Property.

Chemical analysis of the shallow soil samples for arsenic and lead reported detections in all of the samples with a maximum concentration of 8.4 milligrams per kilogram (mg/kg) for arsenic and 12 mg/kg for lead. Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSL and the CHHSL. At the Property, the detected arsenic concentrations are above the EPA RSL of 3.33 mg/kg and above the CHHSL of 0.24 mg/kg - but consistent with naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California). All concentrations of lead are below the EPA RSL of 800 mg/kg and the commercial CHHSL of 320 mg/kg. Stantec concludes that arsenic and lead do not represent a REC to the Property. As a result, Stantec concludes that the historical agricultural use does not present a risk to on-site construction workers or the intended use of the Property. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the historical agricultural use of the Property.

Stantec concludes that the historical agricultural use of the Property does not represent a recognized environmental condition to the Property and recommends no further investigation regarding this issue.

It has been a pleasure to provide these services for you, and we look forward to working with you in the future. Should there be any questions concerning the information contained in the following report, please contact us at (909) 335-6116.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Michael Myers
Project Scientist
Phone: 559-271-2650
Fax: 559-271-5108
michael.myers@stantec.com

Ralph Carson, PG 7454
Senior Geologist
Phone: 559-271-2650
Fax: 559-271-5108
ralph.carson@stantec.com





April 28, 2016
Phase II ESA
Page 3 of 3

Reference: RE Scarlet LLC Phase II Environmental Site Assessment

Kyle Emerson, CEG 1271
Managing Principal Geologist
Phone 909-335-6116
Fax: 909-335-6120
kyle.emerson@stantec.com

Attachment: Phase II Report

cr v:\1857\active\185703320\05_report_deliv\phase ii\re scarlet_phase ii esa.final.docx



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE SCARLET LLC**

Table of Contents

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION1.1

1.1 SITE DESCRIPTION AND OPERATIONS..... 1.1

1.2 SITE GEOLOGY AND HYDROGEOLOGY 1.2

2.0 FIELD INVESTIGATION PROGRAM.....2.1

2.1 SCOPE OF WORK 2.1

2.2 SOIL SAMPLING PROCEDURES..... 2.1

 2.2.1 Decontamination Procedures 2.1

 2.2.2 Excavation Abandonment Procedures 2.1

3.0 LABORATORY TESTING PROGRAM3.1

4.0 INVESTIGATION RESULTS4.1

4.1 FIELD OBSERVATIONS..... 4.1

4.2 ANALYTICAL RESULTS 4.1

5.0 CONCLUSIONS AND RECOMMENDATIONS.....5.1

6.0 CLOSURE.....6.1

7.0 REFERENCES.....7.1

LIST OF TABLES

- Table 1: Soil Analytical Results - Detected Organochlorine Pesticides
Table 2: Soil Analytical Results – Arsenic and Lead

LIST OF FIGURES

- Figure 1: Site Location Map
Figure 2: Site Map

LIST OF APPENDICES

- Appendix A: Certified Laboratory Analytical Report



PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Introduction
April 28, 2016

1.0 Introduction

This report documents the methodology and findings of the Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) at the RE Scarlet LLC site ("the Property" or "the Site") located near Tranquillity California on March 22, 2016. The Phase II ESA was conducted to determine whether the historical agricultural use of the Property identified in the Phase I ESA performed by Stantec dated April 28, 2016, resulted in the presence of residual pesticides and or the metals that typically accompany herbicide application are in the soil at levels of concern for construction workers and Site development.

The work was conducted in accordance with Stantec's *Proposal for Phase II Environmental Site Assessment*, dated February 26, 2016. The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the Site description and a summary of past operations.

1.1 SITE DESCRIPTION AND OPERATIONS

The Property is located at the southeast corner of the intersection of South Derrick Avenue and West Manning Avenue in an unincorporated area of Fresno County, California, and southwest of the City of Tranquillity.

The Property is bound by a series of paved and unnamed dirt roads (Figure 2). South Derrick Avenue, West Adams Avenue, and West Manning Avenue are paved with asphalt and form a portion of the Property boundaries.

The Property is irregularly shaped, comprises approximately 4,380-acres, and is identified by 28 Assessor's Parcel Numbers (APNs). The Property APNs are as follows:

- 028-071-23ST (311.79 acres)
- 028-071-34T (479.20 acres)
- 028-071-39ST (158.71 acres)
- 028-071-40ST (77.08 acres)
- 028-071-47T (157.23 acres)
- 028-071-49T (78.33 acres)
- 028-111-01ST (560.35 acres)
- 028-111-04ST (18.09 acres)
- 028-111-09ST (158.01 acres)
- 028-071-44T (20.41 acres)
- 028-071-45T (65.75 acres)
- 028-071-41ST (17.07 acres)
- 028-071-43T (144.94 acres)
- 028-071-48T (80.78 acres)
- 028-081-66ST (651.97 acres)
- 028-111-02ST (33.79 acres)
- 028-111-06T (17.70 acres)
- 028-111-10T (143.56 acres)



Attorney / Client Privileged

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Introduction

April 28, 2016

- 028-111-07ST (163.28 acres)
- 028-111-14T (23.58 acres)
- 028-111-17T (39.91 acres)
- 028-111-20ST (196.00 acres)
- 028-120-62ST (236.70 acres)
- 028-111-13T (21.79 acres)
- 028-111-15T (20.87 acres)
- 028-111-16ST (39.51 acres)
- 028-111-19T (141.16 acres)
- 028-1120-61ST (322.95 acres)

The Property is currently used for agricultural purposes. The Property is relatively flat with a slight gradient to the east-northeast. A Property Location Map is illustrated on Figure 1. A Site Map illustrating the main features of the Property and the soil sample locations is provided as Figure 2.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Property is located within the Great Valley Geomorphic Province, which is a large alluvial plain between the highlands of the Sierra Nevada mountain range and Coast Ranges into which sediments have been deposited since the Jurassic (California Geological Survey [CGS], 2002). The stratigraphy underlying the Property and the vicinity consists of recent-age alluvium of fan and basin deposits (CDMG, 1965).

According to the Environmental Data Resources, Inc. (EDR) Radius Report, groundwater was measured from nearby shallow wells at approximately 4 to 10 feet below the ground surface (bgs).

Additionally, several of the deeper agricultural wells encountered groundwater varying from 50 to 360 feet bgs. These measurements were collected from agricultural wells that are drilled into a deeper aquifer and do not represent shallow water levels at the Property.



Attorney / Client Privileged

v:\1857\active\185703320\05_report_deliv\phase ii\re scarlet_phase ii esa.final.docx

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Field Investigation Program
April 28, 2016

2.0 Field Investigation Program

2.1 SCOPE OF WORK

Based on the findings of the Phase I ESA, soil samples were collected and analyzed throughout the Property. This work included the following tasks:

- Collection of 88 shallow soil samples at the locations using a shovel (Figure 2). Each sample was collected between 6 to 12 inches bgs.
- Submission of 88 soil samples to a state certified laboratory. Analysis of the 88 shallow soil samples for organochlorine pesticides by Environmental Protection Agency (EPA) Method 8081 and arsenic and lead by EPA Method 6010B.

2.2 SOIL SAMPLING PROCEDURES

A shovel was advanced to the desired sampling depth. The soil sample was collected with a gloved hand and placed directly into the laboratory provided glass jar.

The sample was then labeled, and placed in an ice-filled cooler pending delivery under Chain-of-Custody (COC) to the laboratory for chemical analysis. Copies of the COC forms are included in Appendix A.

2.2.1 Decontamination Procedures

Prior to sampling at each location, the sampling equipment was decontaminated with non-phosphate detergent solution and double rinsed with distilled water.

2.2.2 Excavation Abandonment Procedures

Excess soil cuttings were replaced in the excavation to an elevation matching the surrounding surface conditions.

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Laboratory Testing Program
April 28, 2016

3.0 Laboratory Testing Program

All soil samples collected for laboratory analysis were delivered under COC (Appendix A) to Advanced Technology Laboratory (ATL) located in Signal Hill, California. ATL is a California state-certified laboratory accredited by the Environmental Laboratory Accreditation Program of the Department of Toxic Substances Control.

The Certified Laboratory Analytical Report is attached as Appendix A and the results are summarized in Tables 1 and 2.

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Investigation Results
April 28, 2016

4.0 Investigation Results

4.1 FIELD OBSERVATIONS

Stantec personnel collected 88 shallow soil samples on March 22, 2016. Subsurface soils encountered during sampling activities consisted of silty clays and sandy silts. No groundwater was encountered to the maximum explored depth of 12 inches bgs. No odors or staining were noted in the soils encountered.

4.2 ANALYTICAL RESULTS

The laboratory test results are discussed below and summarized in Tables 1 and 2. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

Chemical analysis of the shallow soil samples for organochlorine pesticides was performed using EPA Method 8081. Chemical analysis of the shallow soil samples reported organochlorine pesticides results above their Practical Quantitation Limits (PQLs) for the following (Table 1):

- 4,4'-dichlorodiphenyl dichloroethane (DDD): DDD was reported in 3 of the 88 soil samples and the detections varied from 0.0031 to 0.0051 milligrams per kilogram (mg/kg). The United States Environmental Protection Agency Regional Screening Level (EPA RSL) for an outdoor worker for DDD is 10.6 mg/kg and the California Office of Environmental Health Hazard Assessment California Human Health Risk Screening Levels (CHHSLs) for residential and commercial/industrial land use for DDD are 2.3 and 9.0 mg/kg, respectively. The detected DDD concentrations are far below these levels.
- 4,4'-dichlorodiphenyl dichloroethylene (DDE): DDE was reported in 87 of the 88 soil samples and the detections varied from 0.0022 to 0.180 mg/kg. The EPA RSL for an outdoor worker for DDE is 10.3 mg/kg and the CHHSLs for residential and commercial/industrial land use for DDE are 1.6 and 6.3 mg/kg, respectively. The detected DDE concentrations are far below these levels.
- 4,4'-dichlorodiphenyl trichloroethane (DDT): DDT was reported in 48 of the 88 soil samples and the detections varied from 0.0025 to 0.018 mg/kg. The EPA RSL for an outdoor worker for DDT is 9.48 mg/kg and the CHHSLs for residential and commercial/industrial land use for DDT are 1.6 and 6.3 mg/kg, respectively. The detected DDT concentrations are far below these levels.
- Alpha-Chlordane: Alpha-Chlordane was reported in 1 of the 88 soil samples with a detection of 0.0073 (mg/kg). The EPA and the California Office of Environmental Health



Attorney / Client Privileged

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Investigation Results
April 28, 2016

Hazard Assessment have not created RSLs or CHHSLs for alpha-chlordane, but the detected concentrations are exceedingly low.

- Chlordane: Chlordane was reported in 1 of the 88 soil samples with a detection of 0.053 mg/kg. The EPA RSL for an outdoor worker for chlordane is 8.28 mg/kg and the CHHSLs for residential and commercial/industrial land use for chlordane are 0.43 and 1.7 mg/kg, respectively. The detected concentrations are far below these levels.
- Gamma-Chlordane: Gamma-Chlordane was reported in 1 of the 88 soil samples with a detection of 0.0094 (mg/kg). The EPA and the California Office of Environmental Health Hazard Assessment have not created RSLs or CHHSLs for gamma-chlordane, but the detected concentrations are exceedingly low.
- Dieldrin: Dieldrin was reported in 2 of the 88 soil samples and the detections varied from 0.0030 to 0.0039 mg/kg. The EPA RSL for an outdoor worker for dieldrin is 0.16 mg/kg and the CHHSLs for residential and commercial/industrial land use for dieldrin are 0.035 and 0.13 mg/kg, respectively. The detected dieldrin concentrations are far below these levels.
- Toxaphene: Toxaphene was reported in 51 of the 88 soil samples and the detections varied from 0.050 to 0.460 mg/kg. The EPA RSL for an outdoor worker for toxaphene is 2.32 mg/kg and the CHHSLs for residential and commercial/industrial land use for toxaphene are 0.46 and 1.8 mg/kg, respectively. The detected toxaphene concentrations are far below these levels.

The shallow soil samples were also analyzed for arsenic and lead by EPA Method 6010B the results are as follows:

- The laboratory results reported all the samples with concentrations of arsenic ranging from 3.6 mg/kg (S-45) to 8.4 mg/kg (S-35). Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSL (3.33 mg/kg) and the CHHSL (0.24 mg/kg). At the Site, the detected arsenic concentrations are above the EPA RSL and above the CHHSL – but are consistent with naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California).
- The laboratory results reported all the samples with concentrations of lead ranging from 3.4 mg/kg (S-45) to 12 mg/kg (S-87). All concentrations of lead are below the EPA RSL of 800 mg/kg and the commercial CHHSL of 320 mg/kg.



Attorney / Client Privileged

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Conclusions and Recommendations
April 28, 2016

5.0 Conclusions and Recommendations

The Phase II ESA was conducted based on the results of Stantec's assessment in connection with the Phase I ESA for the RE Scarlet LLC parcels prepared by Stantec, dated April 28, 2016. Historic records indicate that the Property was used for agricultural land from prior to 1955 to the present. Pesticides and heavy metal-containing herbicides are often used at properties historically used for agricultural purposes.

As a result, Stantec recommended performing a Phase II subsurface investigation to sample and analyze the soil to determine whether pesticides, or the heavy metals that typically accompany herbicide application (i.e., arsenic and lead), were present at concentrations exceeding regulatory thresholds, human health risk criteria, or hazardous waste levels. Eighty eight shallow soil samples were collected across the Property on March 22, 2016. The soil samples were collected to evaluate whether residual organochlorine pesticides, arsenic, and/or lead exist at levels of concern for construction workers and Site development. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the historical agricultural use of the Property.

Chemical analysis of the shallow soil samples for organochlorine pesticides was performed using EPA Method 8081. Chemical analysis of the shallow soil samples reported organochlorine pesticides results above their PQLs for DDD, DDE, DDT, alpha-chlordane, chlordane, gamma-chlordane, dieldrin, and toxaphene. All of the reported detections were below the EPA RSLs for outdoor workers and below the CHHSLs for commercial/industrial land use. Therefore, Stantec concludes that pesticides do not represent a recognized environmental condition (REC) to the Property.

Chemical analysis of the shallow soil samples for arsenic and lead reported detections in all of the samples with a maximum concentration of 8.4 mg/kg for arsenic and 12 mg/kg for lead. Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSL and the CHHSL. At the Property, the detected arsenic concentrations are above the EPA RSL of 3.33 mg/kg and above the CHHSL of 0.24 mg/kg - but consistent with naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California). All concentrations of lead are below the EPA RSL of 800 mg/kg and the commercial CHHSL of 320 mg/kg. Stantec concludes that arsenic and lead do not represent a REC to the Property. As a result, Stantec concludes that the historical agricultural use does not present a risk to on-site construction workers or the intended use of the Property. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the historical agricultural use of the Property.

Stantec concludes that the historical agricultural use of the Property does not represent a REC for the Property and recommends no further investigation regarding this issue.



Attorney / Client Privileged

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

Closure
April 28, 2016

6.0 Closure

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the master services agreement between RE Scarlet LLC and Stantec Consulting Services Inc., the master services agreement shall control.



Attorney / Client Privileged

v:\1857\active\185703320\05_report_deliv\phase ii\re scarlet_phase ii esa.final.docx

PHASE II ENVIRONMENTAL SITE ASSESSMENT, RE SCARLET LLC

References
April 28, 2016

7.0 References

Stantec Consulting Services Inc., 2016, Phase I Environmental Site Assessment, RE Scarlet LLC, Tranquillity, California, dated April 28, 2016.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE SCARLET LLC**

Tables
April 28, 2016

Tables



Attorney / Client Privileged

v:\1857\active\185703320\05_report_deliv\phase ii\re scarlet_phase ii esa.final.docx

Table 1
Soil Analytical Results -Detected Organochlorine Pesticides
Phase II Environmental Site Assessment - RE Scarlet LLC
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	DDD (mg/kg)	DDE (mg/kg)	DDT (mg/kg)	alpha-Chlordane (mg/kg)	Chlordane (mg/kg)	gamma-Chlordane (mg/kg)	Dieldrin (mg/kg)	Toxaphene (mg/kg)
EPA RSL			10.6	10.3	9.48	--- / ---	8.28	--- / ---	0.16	2.32
CHHSLs			2.3 / 9.0	1.6 / 6.3	1.6 / 6.3	--- / ---	0.43 / 1.7	--- / ---	0.035 / 0.13	0.46 / 1.8
S-1	6 to 12	3/22/16	<0.0020	0.0097	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-2	6 to 12	3/22/16	<0.0020	0.064	0.0055	<0.0010	<0.0085	<0.0010	<0.0020	0.150
S-3	6 to 12	3/22/16	<0.0020	0.110	0.010	<0.0010	<0.0085	<0.0010	<0.0020	0.180
S-4	6 to 12	3/22/16	<0.0020	0.110	0.011	<0.0010	<0.0085	<0.0010	<0.0020	0.270
S-5	6 to 12	3/22/16	<0.0020	0.088	0.0069	<0.0010	<0.0085	<0.0010	<0.0020	0.190
S-6	6 to 12	3/22/16	<0.0020	0.071	0.0090	<0.0010	<0.0085	<0.0010	<0.0020	0.270
S-7	6 to 12	3/22/16	<0.0020	0.096	0.011	<0.0010	<0.0085	<0.0010	<0.0020	0.260
S-8	6 to 12	3/22/16	<0.0020	0.021	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.220
S-9	6 to 12	3/22/16	<0.0020	0.086	0.0099	<0.0010	<0.0085	<0.0010	<0.0020	0.340
S-10	6 to 12	3/22/16	<0.0020	0.110	0.011	<0.0010	<0.0085	<0.0010	<0.0020	0.210
S-11	6 to 12	3/22/16	<0.0020	0.110	0.0096	<0.0010	<0.0085	<0.0010	<0.0020	0.250
S-12	6 to 12	3/22/16	<0.0020	0.160	0.013	<0.0010	<0.0085	<0.0010	<0.0020	0.330
S-13	6 to 12	3/22/16	<0.0020	0.130	0.011	<0.0010	<0.0085	<0.0010	<0.0020	0.460
S-14	6 to 12	3/22/16	<0.0020	0.051	0.0044	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-15	6 to 12	3/22/16	<0.0020	0.063	0.0058	<0.0010	<0.0085	<0.0010	<0.0020	0.300
S-16	6 to 12	3/22/16	<0.0020	0.072	0.0067	<0.0010	<0.0085	<0.0010	<0.0020	0.390
S-17	6 to 12	3/22/16	<0.0020	0.098	0.0071	<0.0010	<0.0085	<0.0010	<0.0020	0.220
S-18	6 to 12	3/22/16	<0.0020	0.061	0.0046	<0.0010	<0.0085	<0.0010	<0.0020	0.230
S-19	6 to 12	3/22/16	<0.0020	0.0063	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-20	6 to 12	3/22/16	<0.0020	0.0050	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.054
S-21	6 to 12	3/22/16	<0.0020	0.0032	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-22	6 to 12	3/22/16	<0.0020	0.033	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-23	6 to 12	3/22/16	<0.0020	0.0030	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-24	6 to 12	3/22/16	<0.0020	0.0099	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-25	6 to 12	3/22/16	<0.0020	0.011	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-26	6 to 12	3/22/16	<0.0020	0.011	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-27	6 to 12	3/22/16	<0.0020	0.079	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-28	6 to 12	3/22/16	0.0051	0.036	0.0031	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-29	6 to 12	3/22/16	<0.0020	0.056	0.0034	<0.0010	<0.0085	<0.0010	<0.0020	0.100
S-30	6 to 12	3/22/16	<0.0020	0.056	0.0049	<0.0010	<0.0085	<0.0010	<0.0020	0.140
S-31	6 to 12	3/22/16	<0.0020	0.072	0.0052	<0.0010	<0.0085	<0.0010	<0.0020	0.180
S-32	6 to 12	3/22/16	0.0044	0.180	0.018	<0.0010	<0.0085	<0.0010	<0.0020	0.460
S-33	6 to 12	3/22/16	0.0031	0.110	0.0084	<0.0010	<0.0085	<0.0010	<0.0020	0.240

Table 1
Soil Analytical Results -Detected Organochlorine Pesticides
Phase II Environmental Site Assessment - RE Scarlet LLC
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	DDD (mg/kg)	DDE (mg/kg)	DDT (mg/kg)	alpha-Chlordane (mg/kg)	Chlordane (mg/kg)	gamma-Chlordane (mg/kg)	Dieldrin (mg/kg)	Toxaphene (mg/kg)
EPA RSL			10.6	10.3	9.48	--- / ---	8.28	--- / ---	0.16	2.32
CHHSLs			2.3 / 9.0	1.6 / 6.3	1.6 / 6.3	--- / ---	0.43 / 1.7	--- / ---	0.035 / 0.13	0.46 / 1.8
S-34	6 to 12	3/22/16	<0.0020	0.062	0.0079	<0.0010	<0.0085	<0.0010	<0.0020	0.210
S-35	6 to 12	3/22/16	<0.0020	0.061	0.0074	<0.0010	<0.0085	<0.0010	<0.0020	0.190
S-36	6 to 12	3/22/16	<0.0020	0.025	0.0026	<0.0010	<0.0085	<0.0010	<0.0020	0.082
S-37	6 to 12	3/22/16	<0.0020	0.0033	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-38	6 to 12	3/22/16	<0.0020	0.0056	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-39	6 to 12	3/22/16	<0.0020	0.0085	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-40	6 to 12	3/22/16	<0.0020	0.0025	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-41	6 to 12	3/22/16	<0.0020	0.030	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-42	6 to 12	3/22/16	<0.0020	0.0022	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-43	6 to 12	3/22/16	<0.0020	0.014	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.060
S-44	6 to 12	3/22/16	<0.0020	0.027	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-45	6 to 12	3/22/16	<0.0020	0.0047	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-46	6 to 12	3/22/16	<0.0020	0.0072	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-47	6 to 12	3/22/16	<0.0020	0.017	0.0030	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-48	6 to 12	3/22/16	<0.0020	0.058	0.0057	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-49	6 to 12	3/22/16	<0.0020	0.0098	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-50	6 to 12	3/22/16	<0.0020	<0.0020	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-51	6 to 12	3/22/16	<0.0020	0.0042	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-52	6 to 12	3/22/16	<0.0020	0.022	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.100
S-53	6 to 12	3/22/16	<0.0020	0.088	0.0045	<0.0010	<0.0085	<0.0010	<0.0020	0.280
S-54	6 to 12	3/22/16	<0.0020	0.077	0.0039	<0.0010	<0.0085	<0.0010	<0.0020	0.220
S-55	6 to 12	3/22/16	<0.0020	0.045	0.0026	<0.0010	<0.0085	<0.0010	<0.0020	0.100
S-56	6 to 12	3/22/16	<0.0020	0.060	0.0057	<0.0010	<0.0085	<0.0010	<0.0020	0.170
S-57	6 to 12	3/22/16	<0.0020	0.027	0.0027	<0.0010	<0.0085	<0.0010	<0.0020	0.050
S-58	6 to 12	3/22/16	<0.0020	0.040	0.0035	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-59	6 to 12	3/22/16	<0.0020	0.056	0.0031	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-60	6 to 12	3/22/16	<0.0020	0.042	0.0032	<0.0010	<0.0085	<0.0010	<0.0020	0.085
S-61	6 to 12	3/22/16	<0.0020	0.092	0.011	<0.0010	<0.0085	<0.0010	<0.0020	0.240
S-62	6 to 12	3/22/16	<0.0020	0.054	0.0041	<0.0010	<0.0085	<0.0010	<0.0020	0.130
S-63	6 to 12	3/22/16	<0.0020	0.046	0.0047	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-64	6 to 12	3/22/16	<0.0020	0.011	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-65	6 to 12	3/22/16	<0.0020	0.014	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-66	6 to 12	3/22/16	<0.0020	0.014	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050

Table 1
Soil Analytical Results -Detected Organochlorine Pesticides
Phase II Environmental Site Assessment - RE Scarlet LLC
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	DDD (mg/kg)	DDE (mg/kg)	DDT (mg/kg)	alpha-Chlordane (mg/kg)	Chlordane (mg/kg)	gamma-Chlordane (mg/kg)	Dieldrin (mg/kg)	Toxaphene (mg/kg)
EPA RSL			10.6	10.3	9.48	--- / ---	8.28	--- / ---	0.16	2.32
CHHSLs			2.3 / 9.0	1.6 / 6.3	1.6 / 6.3	--- / ---	0.43 / 1.7	--- / ---	0.035 / 0.13	0.46 / 1.8
S-67	6 to 12	3/22/16	<0.0020	0.018	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-68	6 to 12	3/22/16	<0.0020	0.012	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-69	6 to 12	3/22/16	<0.0020	0.022	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-70	6 to 12	3/22/16	<0.0020	0.025	0.0025	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-71	6 to 12	3/22/16	<0.0020	0.029	0.0039	<0.0010	<0.0085	<0.0010	<0.0020	0.062
S-72	6 to 12	3/22/16	<0.0020	0.029	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.053
S-73	6 to 12	3/22/16	<0.0020	0.025	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-74	6 to 12	3/22/16	<0.0020	0.032	0.0029	<0.0010	<0.0085	<0.0010	<0.0020	0.054
S-75	6 to 12	3/22/16	<0.0020	0.0027	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-76	6 to 12	3/22/16	<0.0020	0.0044	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-77	6 to 12	3/22/16	<0.0020	0.0023	<0.0020	<0.0010	<0.0085	<0.0010	0.0039	<0.050
S-78	6 to 12	3/22/16	<0.0020	0.061	0.0037	<0.0010	<0.0085	<0.0010	<0.0020	0.100
S-79	6 to 12	3/22/16	<0.0020	0.020	0.0092	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-80	6 to 12	3/22/16	<0.0020	0.063	0.0062	<0.0010	<0.0085	<0.0010	<0.0020	0.150
S-81	6 to 12	3/22/16	<0.0020	0.061	0.0046	<0.0010	<0.0085	<0.0010	<0.0020	0.110
S-82	6 to 12	3/22/16	<0.0020	0.044	0.0031	<0.0010	<0.0085	<0.0010	<0.0020	0.120
S-83	6 to 12	3/22/16	<0.0020	0.045	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	0.140
S-84	6 to 12	3/22/16	<0.0020	0.0076	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-85	6 to 12	3/22/16	<0.0020	0.091	0.0042	<0.0010	<0.0085	<0.0010	<0.0020	0.220
S-86	6 to 12	3/22/16	<0.0020	0.0087	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050
S-87	6 to 12	3/22/16	<0.0020	0.013	0.0046	0.0073	0.053	0.0094	0.0030	0.130
S-88	6 to 12	3/22/16	<0.0020	0.0071	<0.0020	<0.0010	<0.0085	<0.0010	<0.0020	<0.050

Notes:

Bold = Detectable Concentration

EPA RSL = Environmental Protection Agency Regional Screening Levels in mg/kg (outdoor worker)

CHHSLs = California Human Health Screening Levels for Residential Land Use / Commercial/Industrial Land Use mg/kg

mg/kg = milligram per kilogram

DDD = 4,4'-dichlorodiphenyl dichloroethane

DDE = 4,4'-dichlorodiphenyl dichloroethylene

DDT = dichlorodiphenyl trichloroethane

--- / --- = Not available

Table 2
Soil Analytical Results - Arsenic and Lead
Phase II Environmental Site Assessment - RE Scarlet LLC
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	Arsenic (mg/kg)	Lead (mg/kg)
EPA RSL			3.33	800
CHHSLs			0.24	320
S-1	6 to 12	3/22/2016	6.8	6.7
S-2	6 to 12	3/22/2016	6.7	6.8
S-3	6 to 12	3/22/2016	7.0	6.8
S-4	6 to 12	3/22/2016	7.7	6.3
S-5	6 to 12	3/22/2016	6.4	6.6
S-6	6 to 12	3/22/2016	6.5	7.1
S-7	6 to 12	3/22/2016	7.2	7.4
S-8	6 to 12	3/22/2016	7.1	6.6
S-9	6 to 12	3/22/2016	6.2	6.5
S-10	6 to 12	3/22/2016	6.8	6.2
S-11	6 to 12	3/22/2016	6.5	6.3
S-12	6 to 12	3/22/2016	7.1	7.0
S-13	6 to 12	3/22/2016	6.4	6.3
S-14	6 to 12	3/22/2016	7.4	7.1
S-15	6 to 12	3/22/2016	6.8	6.8
S-16	6 to 12	3/22/2016	6.7	7.1
S-17	6 to 12	3/22/2016	6.6	7.2
S-18	6 to 12	3/22/2016	7.8	7.7
S-19	6 to 12	3/22/2016	6.2	5.9
S-20	6 to 12	3/22/2016	6.0	6.3
S-21	6 to 12	3/22/2016	6.3	6.2
S-22	6 to 12	3/22/2016	6.3	7.4
S-23	6 to 12	3/22/2016	6.9	7.6
S-24	6 to 12	3/22/2016	7.3	6.9
S-25	6 to 12	3/22/2016	6.7	7.9
S-26	6 to 12	3/22/2016	8.0	7.9
S-27	6 to 12	3/22/2016	7.4	8.0
S-28	6 to 12	3/22/2016	5.2	3.7
S-29	6 to 12	3/22/2016	6.7	6.4
S-30	6 to 12	3/22/2016	6.7	6.5
S-31	6 to 12	3/22/2016	6.4	5.8
S-32	6 to 12	3/22/2016	7.0	6.3
S-33	6 to 12	3/22/2016	6.0	6.3
S-34	6 to 12	3/22/2016	6.7	6.6
S-35	6 to 12	3/22/2016	8.4	7.5
S-36	6 to 12	3/22/2016	5.8	6.3
S-37	6 to 12	3/22/2016	4.2	3.6
S-38	6 to 12	3/22/2016	5.0	6.1
S-39	6 to 12	3/22/2016	7.0	6.7
S-40	6 to 12	3/22/2016	6.3	5.8
S-41	6 to 12	3/22/2016	7.7	7.8
S-42	6 to 12	3/22/2016	6.7	6.5
S-43	6 to 12	3/22/2016	7.3	7.1
S-44	6 to 12	3/22/2016	7.2	7.6
S-45	6 to 12	3/22/2016	3.6	3.4
S-46	6 to 12	3/22/2016	3.9	4.2
S-47	6 to 12	3/22/2016	6.4	7.9

Table 2
Soil Analytical Results - Arsenic and Lead
Phase II Environmental Site Assessment - RE Scarlet LLC
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	Arsenic (mg/kg)	Lead (mg/kg)
EPA RSL			3.33	800
CHHSLs			0.24	320
S-48	6 to 12	3/22/2016	5.6	4.8
S-49	6 to 12	3/22/2016	5.3	4.5
S-50	6 to 12	3/22/2016	6.7	6.3
S-51	6 to 12	3/22/2016	6.3	5.7
S-52	6 to 12	3/22/2016	6.6	5.8
S-53	6 to 12	3/22/2016	6.3	5.4
S-54	6 to 12	3/22/2016	6.0	5.7
S-55	6 to 12	3/22/2016	5.7	6.1
S-56	6 to 12	3/22/2016	6.5	6.6
S-57	6 to 12	3/22/2016	6.3	6.0
S-58	6 to 12	3/22/2016	6.3	5.7
S-59	6 to 12	3/22/2016	6.6	6.7
S-60	6 to 12	3/22/2016	6.3	6.4
S-61	6 to 12	3/22/2016	6.6	6.5
S-62	6 to 12	3/22/2016	7.6	7.6
S-63	6 to 12	3/22/2016	7.0	7.3
S-64	6 to 12	3/22/2016	6.2	6.9
S-65	6 to 12	3/22/2016	6.6	6.8
S-66	6 to 12	3/22/2016	6.3	6.0
S-67	6 to 12	3/22/2016	6.8	7.2
S-68	6 to 12	3/22/2016	6.3	6.1
S-69	6 to 12	3/22/2016	6.0	6.2
S-70	6 to 12	3/22/2016	5.8	6.2
S-71	6 to 12	3/22/2016	6.1	6.9
S-72	6 to 12	3/22/2016	6.9	7.2
S-73	6 to 12	3/22/2016	7.2	7.3
S-74	6 to 12	3/22/2016	6.9	6.5
S-75	6 to 12	3/22/2016	6.3	7.1
S-76	6 to 12	3/22/2016	7.0	7.2
S-77	6 to 12	3/22/2016	6.6	8.2
S-78	6 to 12	3/22/2016	5.6	6.0
S-79	6 to 12	3/22/2016	5.8	5.9
S-80	6 to 12	3/22/2016	6.5	6.4
S-81	6 to 12	3/22/2016	6.9	6.7
S-82	6 to 12	3/22/2016	6.3	6.3
S-83	6 to 12	3/22/2016	6.6	6.4
S-84	6 to 12	3/22/2016	6.2	5.0
S-85	6 to 12	3/22/2016	5.4	5.5
S-86	6 to 12	3/22/2016	5.8	5.3
S-87	6 to 12	3/22/2016	5.7	12
S-88	6 to 12	3/22/2016	5.8	6.0

Notes:

Bold = Detectable Concentration

EPA RSL = Environmental Protection Agency Regional Screening Levels in mg/kg (outdoor worker)

CHHSLs = California Human Health Screening Levels for Residential and Commercial/Industrial Land Use

mg/kg = milligram per kilogram

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE SCARLET LLC**

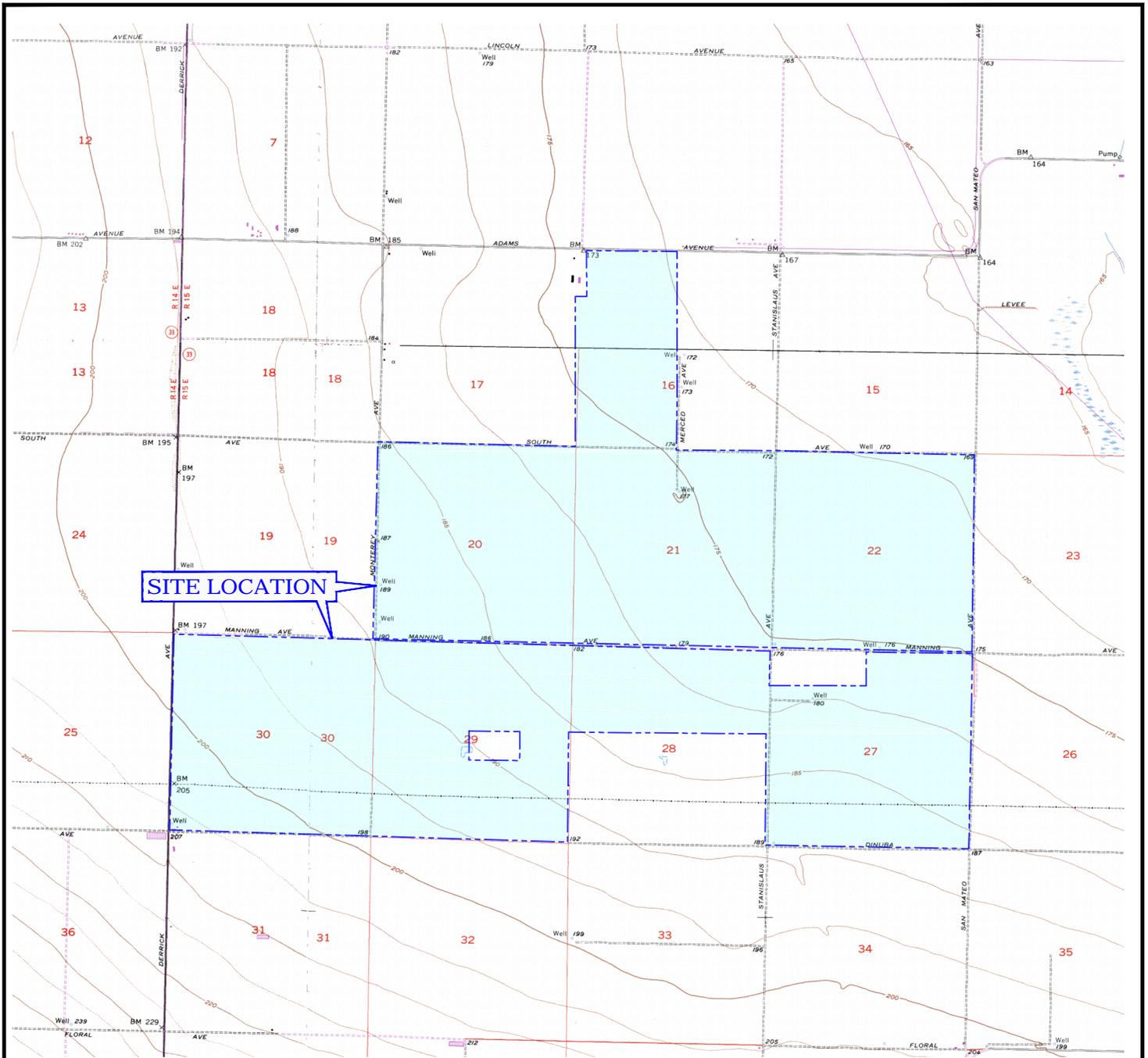
Figures
April 28, 2016

Figures



Attorney / Client Privileged

v:\1857\active\185703320\05_report_deliv\phase ii\re scarlet_phase ii esa.final.docx



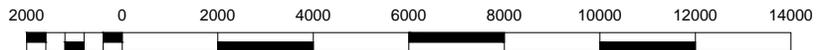
SITE LOCATION



CALIFORNIA



SCALE IN MILE



SCALE IN FEET

REFERENCE: CA Digital Raster Graphics(<http://gis.ca.gov/casil/usgs.gov/>)
7.5 Minute Series, Albers NAD83, Trimmed
Block o36120e3,e4,f3,f4, Dated 1956; Revised 1984



3475 WEST SHAW AVENUE, SUITE 104
FRESNO, CALIFORNIA
PHONE: (559) 271-2650 FAX: (559) 271-5108

FOR:

RE SCARLET LLC
PHASE II ESA
FRESNO COUNTY, CALIFORNIA

JOB NUMBER:
185703320

DRAWN BY:
JBL

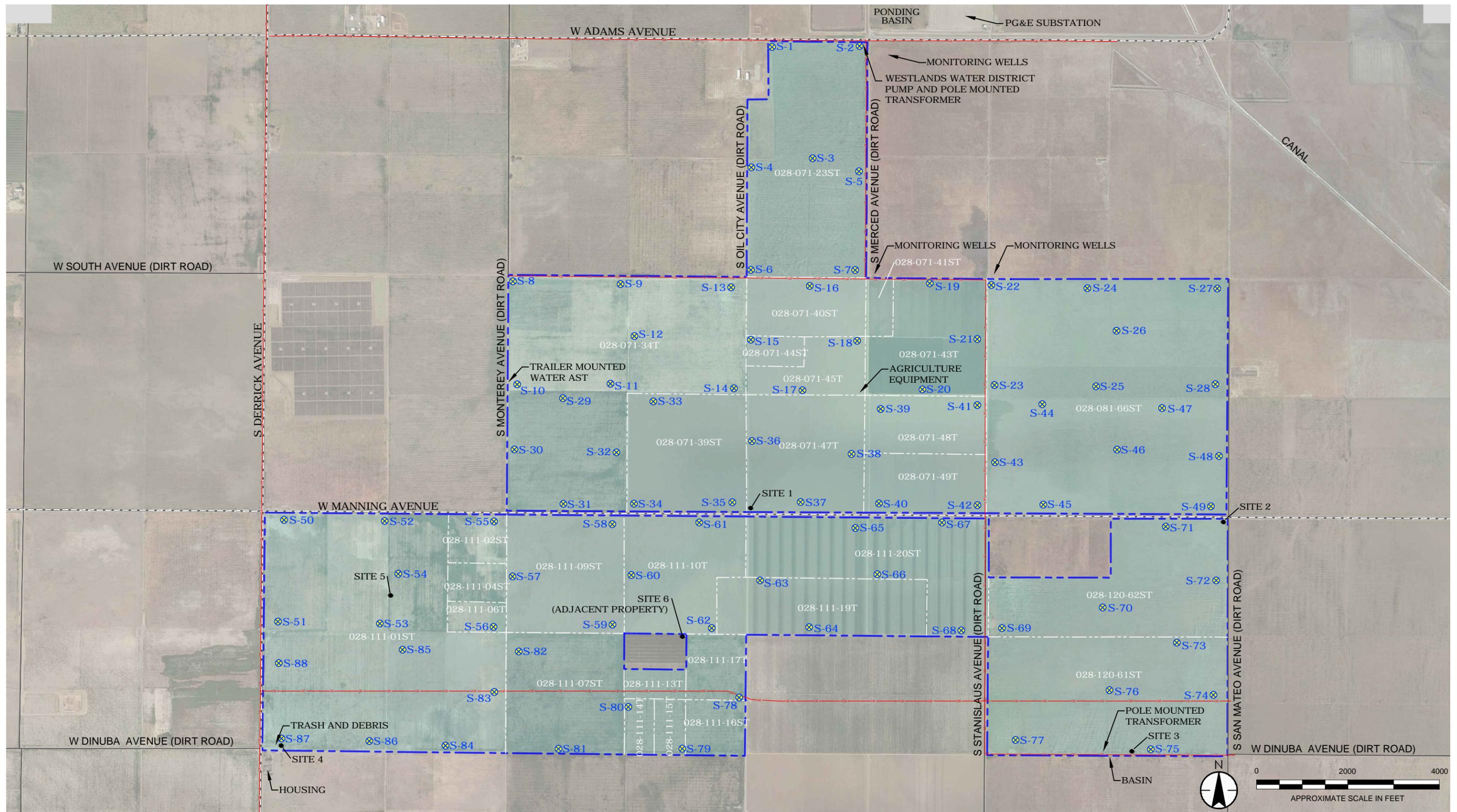
CHECKED BY:
MM

APPROVED BY:
RC

FIGURE:

1

DATE:
03/28/16



- LEGEND**
- OE APPROXIMATED OVERHEAD ELECTRICAL
 - APPROXIMATED PROPERTY BOUNDARY
 - APPROXIMATE PARCEL BOUNDARY
 - ⊗ S-1 APPROXIMATE SOIL SAMPLE LOCATION

REFERENCE:
 PARCEL BOUNDARIES OBTAINED FROM THE COUNTY OF FRESNO
 AND ARE APPROXIMATE. AERIAL IMAGE OBTAINED FROM A
 LICENSED VERSION OF GOOGLE EARTH PRO AND IS APPROXIMATE.

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

 3475 WEST SHAW AVENUE, SUITE 104 FRESNO, CALIFORNIA PHONE: (559) 271-2650 FAX: (559) 271-5108	FOR: RE SCARLET LLC PHASE II ESA FRESNO COUNTY, CALIFORNIA		SITE MAP		FIGURE: 2
	JOB NUMBER: 185703320	DRAWN BY: JBL	CHECKED BY: MM	APPROVED BY: RC	DATE: 03/28/16

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE SCARLET LLC**

Appendix A
April 28, 2016

Appendix A Certified Laboratory Analytical Report



Attorney / Client Privileged

v:\1857\active\185703320\05_report_deliv\phase ii\re scarlet_phase ii esa.final.docx

March 30, 2016

Ralph Carson
Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno, CA 93711
Tel: (559) 271-2650
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1601118
Client Reference : RE Scarlet LLC, 185703320

Enclosed are the results for sample(s) received on March 24, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Stantec Consulting Services Inc.

Project Number : RE Scarlet LLC, 185703320

3475 W. Shaw Ave. Suite 104

Report To : Ralph Carson

Fresno , CA 93711

Reported : 03/30/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	1601118-01	Soil	3/22/16 7:00	3/24/16 11:27
S-2	1601118-02	Soil	3/22/16 7:15	3/24/16 11:27
S-3	1601118-03	Soil	3/22/16 7:25	3/24/16 11:27
S-4	1601118-04	Soil	3/22/16 8:10	3/24/16 11:27
S-5	1601118-05	Soil	3/22/16 7:35	3/24/16 11:27
S-6	1601118-06	Soil	3/22/16 8:05	3/24/16 11:27
S-7	1601118-07	Soil	3/22/16 7:45	3/24/16 11:27
S-8	1601118-08	Soil	3/22/16 8:26	3/24/16 11:27
S-9	1601118-09	Soil	3/22/16 8:20	3/24/16 11:27
S-10	1601118-10	Soil	3/22/16 8:32	3/24/16 11:27
S-11	1601118-11	Soil	3/22/16 8:43	3/24/16 11:27
S-12	1601118-12	Soil	3/22/16 8:49	3/24/16 11:27
S-13	1601118-13	Soil	3/22/16 8:15	3/24/16 11:27
S-14	1601118-14	Soil	3/22/16 9:20	3/24/16 11:27
S-15	1601118-15	Soil	3/22/16 9:24	3/24/16 11:27
S-16	1601118-16	Soil	3/22/16 7:55	3/24/16 11:27
S-17	1601118-17	Soil	3/22/16 9:30	3/24/16 11:27
S-18	1601118-18	Soil	3/22/16 9:40	3/24/16 11:27
S-19	1601118-19	Soil	3/22/16 9:44	3/24/16 11:27
S-20	1601118-20	Soil	3/22/16 9:57	3/24/16 11:27
S-21	1601118-21	Soil	3/22/16 9:51	3/24/16 11:27
S-22	1601118-22	Soil	3/22/16 9:47	3/24/16 11:27
S-23	1601118-23	Soil	3/22/16 9:54	3/24/16 11:27
S-24	1601118-24	Soil	3/22/16 10:01	3/24/16 11:27
S-25	1601118-25	Soil	3/22/16 10:20	3/24/16 11:27
S-26	1601118-26	Soil	3/22/16 10:05	3/24/16 11:27
S-27	1601118-27	Soil	3/22/16 10:10	3/24/16 11:27
S-28	1601118-28	Soil	3/22/16 10:13	3/24/16 11:27
S-29	1601118-29	Soil	3/22/16 8:58	3/24/16 11:27
S-30	1601118-30	Soil	3/22/16 9:15	3/24/16 11:27
S-31	1601118-31	Soil	3/22/16 9:10	3/24/16 11:27
S-32	1601118-32	Soil	3/22/16 9:00	3/24/16 11:27
S-33	1601118-33	Soil	3/22/16 8:54	3/24/16 11:27
S-34	1601118-34	Soil	3/22/16 9:05	3/24/16 11:27
S-35	1601118-35	Soil	3/22/16 10:56	3/24/16 11:27
S-36	1601118-36	Soil	3/22/16 10:59	3/24/16 11:27
S-37	1601118-37	Soil	3/22/16 10:53	3/24/16 11:27



Certificate of Analysis

Stantec Consulting Services Inc.

3475 W. Shaw Ave. Suite 104

Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

S-38	1601118-38	Soil	3/22/16 10:50	3/24/16 11:27
S-39	1601118-39	Soil	3/22/16 9:35	3/24/16 11:27
S-40	1601118-40	Soil	3/22/16 10:47	3/24/16 11:27
S-41	1601118-41	Soil	3/22/16 10:40	3/24/16 11:27
S-42	1601118-42	Soil	3/22/16 10:43	3/24/16 11:27
S-43	1601118-43	Soil	3/22/16 10:33	3/24/16 11:27
S-44	1601118-44	Soil	3/22/16 10:37	3/24/16 11:27
S-45	1601118-45	Soil	3/22/16 10:31	3/24/16 11:27
S-46	1601118-46	Soil	3/22/16 10:29	3/24/16 11:27
S-47	1601118-47	Soil	3/22/16 10:16	3/24/16 11:27
S-48	1601118-48	Soil	3/22/16 10:23	3/24/16 11:27
S-49	1601118-49	Soil	3/22/16 10:26	3/24/16 11:27
S-50	1601118-50	Soil	3/22/16 11:45	3/24/16 11:27
S-51	1601118-51	Soil	3/22/16 11:40	3/24/16 11:27
S-52	1601118-52	Soil	3/22/16 11:50	3/24/16 11:27
S-53	1601118-53	Soil	3/22/16 11:28	3/24/16 11:27
S-54	1601118-54	Soil	3/22/16 11:32	3/24/16 11:27
S-55	1601118-55	Soil	3/22/16 11:55	3/24/16 11:27
S-56	1601118-56	Soil	3/22/16 11:20	3/24/16 11:27
S-57	1601118-57	Soil	3/22/16 11:59	3/24/16 11:27
S-58	1601118-58	Soil	3/22/16 12:37	3/24/16 11:27
S-59	1601118-59	Soil	3/22/16 12:03	3/24/16 11:27
S-60	1601118-60	Soil	3/22/16 12:06	3/24/16 11:27
S-61	1601118-61	Soil	3/22/16 12:34	3/24/16 11:27
S-62	1601118-62	Soil	3/22/16 12:20	3/24/16 11:27
S-63	1601118-63	Soil	3/22/16 12:31	3/24/16 11:27
S-64	1601118-64	Soil	3/22/16 13:35	3/24/16 11:27
S-65	1601118-65	Soil	3/22/16 12:41	3/24/16 11:27
S-66	1601118-66	Soil	3/22/16 13:31	3/24/16 11:27
S-67	1601118-67	Soil	3/22/16 12:45	3/24/16 11:27
S-68	1601118-68	Soil	3/22/16 13:27	3/24/16 11:27
S-69	1601118-69	Soil	3/22/16 13:18	3/24/16 11:27
S-70	1601118-70	Soil	3/22/16 13:23	3/24/16 11:27
S-71	1601118-71	Soil	3/22/16 12:49	3/24/16 11:27
S-72	1601118-72	Soil	3/22/16 12:53	3/24/16 11:27
S-73	1601118-73	Soil	3/22/16 12:56	3/24/16 11:27
S-74	1601118-74	Soil	3/22/16 13:00	3/24/16 11:27
S-75	1601118-75	Soil	3/22/16 13:04	3/24/16 11:27
S-76	1601118-76	Soil	3/22/16 13:10	3/24/16 11:27
S-77	1601118-77	Soil	3/22/16 13:15	3/24/16 11:27
S-78	1601118-78	Soil	3/22/16 12:23	3/24/16 11:27



Certificate of Analysis

Stantec Consulting Services Inc.

3475 W. Shaw Ave. Suite 104

Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

S-79	1601118-79	Soil	3/22/16 12:27	3/24/16 11:27
S-80	1601118-80	Soil	3/22/16 12:10	3/24/16 11:27
S-81	1601118-81	Soil	3/22/16 12:15	3/24/16 11:27
S-82	1601118-82	Soil	3/22/16 11:16	3/24/16 11:27
S-83	1601118-83	Soil	3/22/16 11:12	3/24/16 11:27
S-84	1601118-84	Soil	3/22/16 11:09	3/24/16 11:27
S-85	1601118-85	Soil	3/22/16 11:25	3/24/16 11:27
S-86	1601118-86	Soil	3/22/16 11:06	3/24/16 11:27
S-87	1601118-87	Soil	3/22/16 11:03	3/24/16 11:27
S-88	1601118-88	Soil	3/22/16 11:36	3/24/16 11:27



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-1
Lab ID: 1601118-01

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B6C0730	03/28/2016	03/29/16 09:11	
Lead	6.7	1.0	1	B6C0730	03/28/2016	03/29/16 09:11	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
4,4'-DDE [2C]	9.7	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
4,4'-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 16:31	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:31	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 16:31	
Toxaphene	ND	50	1	B6C0710	03/25/2016	03/25/16 16:31	
Surrogate: Decachlorobiphenyl	80.4 %	16 - 137		B6C0710	03/25/2016	03/25/16 16:31	
Surrogate: Tetrachloro-m-xylene	88.0 %	16 - 105		B6C0710	03/25/2016	03/25/16 16:31	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-2
Lab ID: 1601118-02

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0730	03/28/2016	03/29/16 09:16	
Lead	6.8	1.0	1	B6C0730	03/28/2016	03/29/16 09:16	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
4,4'-DDE [2C]	64	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
4,4'-DDT [2C]	5.5	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 16:42	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:42	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 16:42	
Toxaphene [2C]	150	50	1	B6C0710	03/25/2016	03/25/16 16:42	
<i>Surrogate: Decachlorobiphenyl</i>	<i>77.0 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 16:42	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>67.9 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 16:42	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-3

Lab ID: 1601118-03

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B6C0730	03/28/2016	03/29/16 09:18	
Lead	6.8	1.0	1	B6C0730	03/28/2016	03/29/16 09:18	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
4,4'-DDE	110	10	5	B6C0710	03/25/2016	03/28/16 14:18	
4,4'-DDT [2C]	10	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 16:52	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 16:52	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 16:52	
Toxaphene	180	50	1	B6C0710	03/25/2016	03/25/16 16:52	
<i>Surrogate: Decachlorobiphenyl</i>	<i>68.2 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	<i>03/28/16 14:18</i>	
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.8 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	<i>03/25/16 16:52</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>60.8 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	<i>03/28/16 14:18</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>55.2 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	<i>03/25/16 16:52</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-4
Lab ID: 1601118-04

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.7	1.0	1	B6C0730	03/28/2016	03/29/16 09:20	
Lead	6.3	1.0	1	B6C0730	03/28/2016	03/29/16 09:20	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
4,4'-DDE	110	10	5	B6C0710	03/25/2016	03/28/16 14:30	
4,4'-DDT [2C]	11	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 17:02	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:02	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 17:02	
Toxaphene [2C]	270	50	1	B6C0710	03/25/2016	03/25/16 17:02	
<i>Surrogate: Decachlorobiphenyl</i>	<i>82.7 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 14:30	
<i>Surrogate: Decachlorobiphenyl</i>	<i>88.6 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 17:02	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>81.7 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 17:02	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>72.7 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 14:30	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-5
Lab ID: 1601118-05

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.4	1.0	1	B6C0730	03/28/2016	03/29/16 09:22	
Lead	6.6	1.0	1	B6C0730	03/28/2016	03/29/16 09:22	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
4,4'-DDE	88	10	5	B6C0710	03/25/2016	03/28/16 14:42	
4,4'-DDT [2C]	6.9	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 17:13	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:13	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 17:13	
Toxaphene [2C]	190	50	1	B6C0710	03/25/2016	03/25/16 17:13	
<i>Surrogate: Decachlorobiphenyl</i>	<i>73.4 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 14:42	
<i>Surrogate: Decachlorobiphenyl</i>	<i>80.6 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 17:13	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>60.5 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 14:42	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>57.5 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 17:13	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-6
Lab ID: 1601118-06

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.5	1.0	1	B6C0730	03/28/2016	03/29/16 09:23	
Lead	7.1	1.0	1	B6C0730	03/28/2016	03/29/16 09:23	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
4,4'-DDE	71	10	5	B6C0710	03/25/2016	03/28/16 14:54	
4,4'-DDT [2C]	9.0	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 17:23	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:23	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 17:23	
Toxaphene	270	50	1	B6C0710	03/25/2016	03/25/16 17:23	
<i>Surrogate: Decachlorobiphenyl</i>	<i>83.2 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 14:54	
<i>Surrogate: Decachlorobiphenyl</i>	<i>100 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 17:23	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>72.3 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 14:54	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>73.1 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 17:23	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-7
Lab ID: 1601118-07

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.2	1.0	1	B6C0730	03/28/2016	03/29/16 09:29	
Lead	7.4	1.0	1	B6C0730	03/28/2016	03/29/16 09:29	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
4,4'-DDE	96	10	5	B6C0710	03/25/2016	03/28/16 15:06	
4,4'-DDT [2C]	11	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 17:34	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:34	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 17:34	
Toxaphene	260	50	1	B6C0710	03/25/2016	03/25/16 17:34	
<i>Surrogate: Decachlorobiphenyl</i>	<i>67.9 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 15:06	
<i>Surrogate: Decachlorobiphenyl</i>	<i>82.4 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 17:34	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>62.8 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 15:06	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>67.2 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 17:34	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-8
Lab ID: 1601118-08

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.1	1.0	1	B6C0730	03/28/2016	03/29/16 09:31	
Lead	6.6	1.0	1	B6C0730	03/28/2016	03/29/16 09:31	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
4,4'-DDE	21	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
4,4'-DDT	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 17:44	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:44	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 17:44	
Toxaphene [2C]	220	50	1	B6C0710	03/25/2016	03/25/16 17:44	
<i>Surrogate: Decachlorobiphenyl</i>	<i>64.3 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 17:44	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>60.3 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 17:44	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-9

Lab ID: 1601118-09

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B6C0730	03/28/2016	03/29/16 09:33	
Lead	6.5	1.0	1	B6C0730	03/28/2016	03/29/16 09:33	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
4,4'-DDE	86	10	5	B6C0710	03/25/2016	03/28/16 15:19	
4,4'-DDT [2C]	9.9	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 17:54	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 17:54	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 17:54	
Toxaphene	340	50	1	B6C0710	03/25/2016	03/25/16 17:54	
<i>Surrogate: Decachlorobiphenyl</i>	<i>62.6 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 15:19	
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.1 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 17:54	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>55.2 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 15:19	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>56.3 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 17:54	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-10

Lab ID: 1601118-10

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B6C0730	03/28/2016	03/29/16 09:34	
Lead	6.2	1.0	1	B6C0730	03/28/2016	03/29/16 09:34	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
4,4'-DDE	110	10	5	B6C0710	03/25/2016	03/28/16 15:31	
4,4'-DDT [2C]	11	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 18:05	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:05	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 18:05	
Toxaphene	210	50	1	B6C0710	03/25/2016	03/25/16 18:05	
<i>Surrogate: Decachlorobiphenyl</i>	<i>69.5 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 15:31	
<i>Surrogate: Decachlorobiphenyl</i>	<i>60.7 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 18:05	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>58.2 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 15:31	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>57.4 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 18:05	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-11

Lab ID: 1601118-11

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.5	1.0	1	B6C0730	03/28/2016	03/29/16 09:36	
Lead	6.3	1.0	1	B6C0730	03/28/2016	03/29/16 09:36	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
4,4'-DDE	110	10	5	B6C0710	03/25/2016	03/28/16 15:43	
4,4'-DDT [2C]	9.6	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 18:15	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:15	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 18:15	
Toxaphene	250	50	1	B6C0710	03/25/2016	03/25/16 18:15	
<i>Surrogate: Decachlorobiphenyl</i>	<i>83.9 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 15:43	
<i>Surrogate: Decachlorobiphenyl</i>	<i>79.3 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 18:15	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>72.8 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 15:43	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>85.9 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 18:15	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-12

Lab ID: 1601118-12

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.1	1.0	1	B6C0730	03/28/2016	03/29/16 09:38	
Lead	7.0	1.0	1	B6C0730	03/28/2016	03/29/16 09:38	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
4,4'-DDE	160	10	5	B6C0710	03/25/2016	03/28/16 15:55	
4,4'-DDT [2C]	13	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 18:26	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:26	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 18:26	
Toxaphene	330	50	1	B6C0710	03/25/2016	03/25/16 18:26	
<i>Surrogate: Decachlorobiphenyl</i>	<i>89.0 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 18:26	
<i>Surrogate: Decachlorobiphenyl</i>	<i>81.9 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/28/16 15:55	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>71.1 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 18:26	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>69.3 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/28/16 15:55	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-13

Lab ID: 1601118-13

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.4	1.0	1	B6C0730	03/28/2016	03/29/16 09:39	
Lead	6.3	1.0	1	B6C0730	03/28/2016	03/29/16 09:39	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
4,4'-DDE	130	10	5	B6C0710	03/25/2016	03/28/16 16:07	
4,4'-DDT [2C]	11	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 18:36	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:36	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 18:36	
Toxaphene	460	50	1	B6C0710	03/25/2016	03/25/16 18:36	
<i>Surrogate: Decachlorobiphenyl</i>	82.0 %	16 - 137		B6C0710	03/25/2016	03/28/16 16:07	
<i>Surrogate: Decachlorobiphenyl</i>	85.2 %	16 - 137		B6C0710	03/25/2016	03/25/16 18:36	
<i>Surrogate: Tetrachloro-m-xylene</i>	67.8 %	16 - 105		B6C0710	03/25/2016	03/28/16 16:07	
<i>Surrogate: Tetrachloro-m-xylene</i>	73.0 %	16 - 105		B6C0710	03/25/2016	03/25/16 18:36	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-14
Lab ID: 1601118-14

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.4	1.0	1	B6C0730	03/28/2016	03/29/16 12:46	
Lead	7.1	1.0	1	B6C0730	03/28/2016	03/29/16 12:46	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
4,4'-DDE [2C]	51	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
4,4'-DDT [2C]	4.4	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Aldrin	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
alpha-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
alpha-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
beta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Chlordane	ND	8.5	1	B6C0710	03/25/2016	03/25/16 18:46	
delta-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Dieldrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Endosulfan I	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Endosulfan II	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Endosulfan sulfate	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Endrin	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Endrin aldehyde	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Endrin ketone	ND	2.0	1	B6C0710	03/25/2016	03/25/16 18:46	
gamma-BHC	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
gamma-Chlordane	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Heptachlor	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Heptachlor epoxide	ND	1.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Methoxychlor	ND	5.0	1	B6C0710	03/25/2016	03/25/16 18:46	
Toxaphene	120	50	1	B6C0710	03/25/2016	03/25/16 18:46	
<i>Surrogate: Decachlorobiphenyl</i>	<i>63.6 %</i>	<i>16 - 137</i>		B6C0710	03/25/2016	03/25/16 18:46	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>54.4 %</i>	<i>16 - 105</i>		B6C0710	03/25/2016	03/25/16 18:46	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-15 Lab ID: 1601118-15

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B6C0730	03/28/2016	03/29/16 09:43	
Lead	6.8	1.0	1	B6C0730	03/28/2016	03/29/16 09:43	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
4,4'-DDE	63	10	5	B6C0716	03/25/2016	03/28/16 16:20	
4,4'-DDT [2C]	5.8	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 14:06	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:06	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 14:06	
Toxaphene	300	50	1	B6C0716	03/25/2016	03/27/16 14:06	
<i>Surrogate: Decachlorobiphenyl</i>	<i>96.7 %</i>	<i>16 - 137</i>		<i>B6C0716</i>	<i>03/25/2016</i>	<i>03/27/16 14:06</i>	
<i>Surrogate: Decachlorobiphenyl</i>	<i>80.4 %</i>	<i>16 - 137</i>		<i>B6C0716</i>	<i>03/25/2016</i>	<i>03/28/16 16:20</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>81.6 %</i>	<i>16 - 105</i>		<i>B6C0716</i>	<i>03/25/2016</i>	<i>03/27/16 14:06</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>67.1 %</i>	<i>16 - 105</i>		<i>B6C0716</i>	<i>03/25/2016</i>	<i>03/28/16 16:20</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-16
Lab ID: 1601118-16

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0730	03/28/2016	03/29/16 09:44	
Lead	7.1	1.0	1	B6C0730	03/28/2016	03/29/16 09:44	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
4,4'-DDE	72	10	5	B6C0716	03/25/2016	03/28/16 16:32	
4,4'-DDT [2C]	6.7	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 14:17	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:17	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 14:17	
Toxaphene	390	50	1	B6C0716	03/25/2016	03/27/16 14:17	
Surrogate: Decachlorobiphenyl	77.8 %	16 - 137		B6C0716	03/25/2016	03/28/16 16:32	
Surrogate: Decachlorobiphenyl	96.7 %	16 - 137		B6C0716	03/25/2016	03/27/16 14:17	
Surrogate: Tetrachloro-m-xylene	65.5 %	16 - 105		B6C0716	03/25/2016	03/28/16 16:32	
Surrogate: Tetrachloro-m-xylene	75.4 %	16 - 105		B6C0716	03/25/2016	03/27/16 14:17	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-17
Lab ID: 1601118-17

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0730	03/28/2016	03/29/16 10:01	
Lead	7.2	1.0	1	B6C0730	03/28/2016	03/29/16 10:01	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
4,4'-DDE	98	10	5	B6C0716	03/25/2016	03/28/16 16:44	
4,4'-DDT [2C]	7.1	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 14:27	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:27	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 14:27	
Toxaphene [2C]	220	50	1	B6C0716	03/25/2016	03/27/16 14:27	
<i>Surrogate: Decachlorobiphenyl</i>	<i>99.2 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	03/28/16 16:44	
<i>Surrogate: Decachlorobiphenyl</i>	<i>85.0 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	03/27/16 14:27	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>37.7 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	03/28/16 16:44	
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>62.8 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	03/27/16 14:27	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-18
Lab ID: 1601118-18

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.8	1.0	1	B6C0730	03/28/2016	03/29/16 10:03	
Lead	7.7	1.0	1	B6C0730	03/28/2016	03/29/16 10:03	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
4,4'-DDE [2C]	61	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
4,4'-DDT [2C]	4.6	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 14:37	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:37	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 14:37	
Toxaphene	230	50	1	B6C0716	03/25/2016	03/27/16 14:37	
Surrogate: Decachlorobiphenyl	95.6 %	16 - 137		B6C0716	03/25/2016	03/27/16 14:37	
Surrogate: Tetrachloro-m-xylene	82.7 %	16 - 105		B6C0716	03/25/2016	03/27/16 14:37	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-19

Lab ID: 1601118-19

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B6C0730	03/28/2016	03/29/16 10:05	
Lead	5.9	1.0	1	B6C0730	03/28/2016	03/29/16 10:05	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
4,4'-DDE [2C]	6.3	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 14:48	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:48	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 14:48	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 14:48	
Surrogate: Decachlorobiphenyl	89.1 %	16 - 137		B6C0716	03/25/2016	03/27/16 14:48	
Surrogate: Tetrachloro-m-xylene	83.5 %	16 - 105		B6C0716	03/25/2016	03/27/16 14:48	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-20

Lab ID: 1601118-20

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B6C0730	03/28/2016	03/29/16 10:06	
Lead	6.3	1.0	1	B6C0730	03/28/2016	03/29/16 10:06	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
4,4'-DDE	5.0	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 14:58	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 14:58	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 14:58	
Toxaphene [2C]	54	50	1	B6C0716	03/25/2016	03/27/16 14:58	
Surrogate: Decachlorobiphenyl	88.3 %	16 - 137		B6C0716	03/25/2016	03/27/16 14:58	
Surrogate: Tetrachloro-m-xylene	79.1 %	16 - 105		B6C0716	03/25/2016	03/27/16 14:58	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-21

Lab ID: 1601118-21

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0731	03/28/2016	03/29/16 10:16	
Lead	6.2	1.0	1	B6C0731	03/28/2016	03/29/16 10:16	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
4,4'-DDE [2C]	3.2	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 15:08	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:08	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 15:08	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 15:08	
Surrogate: Decachlorobiphenyl	73.0 %	16 - 137		B6C0716	03/25/2016	03/27/16 15:08	
Surrogate: Tetrachloro-m-xylene	70.3 %	16 - 105		B6C0716	03/25/2016	03/27/16 15:08	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-22

Lab ID: 1601118-22

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0731	03/28/2016	03/29/16 10:21	
Lead	7.4	1.0	1	B6C0731	03/28/2016	03/29/16 10:21	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
4,4'-DDE [2C]	33	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 15:19	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:19	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 15:19	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 15:19	
Surrogate: Decachlorobiphenyl	84.7 %	16 - 137		B6C0716	03/25/2016	03/27/16 15:19	
Surrogate: Tetrachloro-m-xylene	80.0 %	16 - 105		B6C0716	03/25/2016	03/27/16 15:19	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-23

Lab ID: 1601118-23

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B6C0731	03/28/2016	03/29/16 10:23	
Lead	7.6	1.0	1	B6C0731	03/28/2016	03/29/16 10:23	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
4,4'-DDE	3.0	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 15:29	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:29	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 15:29	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 15:29	
Surrogate: Decachlorobiphenyl	23.8 %	16 - 137		B6C0716	03/25/2016	03/27/16 15:29	
Surrogate: Tetrachloro-m-xylene	23.0 %	16 - 105		B6C0716	03/25/2016	03/27/16 15:29	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-24
Lab ID: 1601118-24

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.3	1.0	1	B6C0731	03/28/2016	03/29/16 10:24	
Lead	6.9	1.0	1	B6C0731	03/28/2016	03/29/16 10:24	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
4,4'-DDE [2C]	9.9	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 15:39	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:39	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 15:39	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 15:39	
Surrogate: Decachlorobiphenyl	89.5 %	16 - 137		B6C0716	03/25/2016	03/27/16 15:39	
Surrogate: Tetrachloro-m-xylene	87.0 %	16 - 105		B6C0716	03/25/2016	03/27/16 15:39	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-25

Lab ID: 1601118-25

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0731	03/28/2016	03/29/16 10:27	
Lead	7.9	1.0	1	B6C0731	03/28/2016	03/29/16 10:27	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
4,4'-DDE	11	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
4,4'-DDT [2C]	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 15:50	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 15:50	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 15:50	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 15:50	
<i>Surrogate: Decachlorobiphenyl</i>	88.5 %	16 - 137		B6C0716	03/25/2016	03/27/16 15:50	
<i>Surrogate: Tetrachloro-m-xylene</i>	84.2 %	16 - 105		B6C0716	03/25/2016	03/27/16 15:50	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Client Sample ID S-26

Lab ID: 1601118-26

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	8.0	1.0	1	B6C0731	03/28/2016	03/29/16 10:28	
Lead	7.9	1.0	1	B6C0731	03/28/2016	03/29/16 10:28	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
4,4'-DDE [2C]	11	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 16:00	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:00	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 16:00	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 16:00	
<i>Surrogate: Decachlorobiphenyl</i>	<i>93.1 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	<i>03/27/16 16:00</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>85.4 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	<i>03/27/16 16:00</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Client Sample ID S-27

Lab ID: 1601118-27

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.4	1.0	1	B6C0731	03/28/2016	03/29/16 10:34	
Lead	8.0	1.0	1	B6C0731	03/28/2016	03/29/16 10:34	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
4,4'-DDE [2C]	7.9	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
4,4'-DDT	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 16:10	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:10	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 16:10	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 16:10	
<i>Surrogate: Decachlorobiphenyl</i>	<i>82.5 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	<i>03/27/16 16:10</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>78.5 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	<i>03/27/16 16:10</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-28
Lab ID: 1601118-28

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.2	1.0	1	B6C0731	03/28/2016	03/29/16 10:36	
Lead	3.7	1.0	1	B6C0731	03/28/2016	03/29/16 10:36	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	5.1	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
4,4'-DDE [2C]	36	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
4,4'-DDT [2C]	3.1	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 16:21	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:21	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 16:21	
Toxaphene	ND	50	1	B6C0716	03/25/2016	03/27/16 16:21	
Surrogate: Decachlorobiphenyl	86.9 %	16 - 137		B6C0716	03/25/2016	03/27/16 16:21	
Surrogate: Tetrachloro-m-xylene	80.7 %	16 - 105		B6C0716	03/25/2016	03/27/16 16:21	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-29

Lab ID: 1601118-29

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0731	03/28/2016	03/29/16 10:37	
Lead	6.4	1.0	1	B6C0731	03/28/2016	03/29/16 10:37	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
4,4'-DDE [2C]	56	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
4,4'-DDT [2C]	3.4	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 16:31	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:31	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 16:31	
Toxaphene	100	50	1	B6C0716	03/25/2016	03/27/16 16:31	
Surrogate: Decachlorobiphenyl	57.3 %	16 - 137		B6C0716	03/25/2016	03/27/16 16:31	
Surrogate: Tetrachloro-m-xylene	62.6 %	16 - 105		B6C0716	03/25/2016	03/27/16 16:31	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-30

Lab ID: 1601118-30

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0731	03/28/2016	03/29/16 10:39	
Lead	6.5	1.0	1	B6C0731	03/28/2016	03/29/16 10:39	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
4,4'-DDE	56	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
4,4'-DDT [2C]	4.9	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 16:41	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:41	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 16:41	
Toxaphene	140	50	1	B6C0716	03/25/2016	03/27/16 16:41	
<i>Surrogate: Decachlorobiphenyl</i>	<i>107 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	03/27/16 16:41	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>78.2 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	03/27/16 16:41	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-31

Lab ID: 1601118-31

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.4	1.0	1	B6C0731	03/28/2016	03/29/16 10:41	
Lead	5.8	1.0	1	B6C0731	03/28/2016	03/29/16 10:41	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
4,4'-DDE	72	10	5	B6C0716	03/25/2016	03/28/16 16:56	
4,4'-DDT [2C]	5.2	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 16:52	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 16:52	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 16:52	
Toxaphene	180	50	1	B6C0716	03/25/2016	03/27/16 16:52	
<i>Surrogate: Decachlorobiphenyl</i>	<i>67.1 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	<i>03/28/16 16:56</i>	
<i>Surrogate: Decachlorobiphenyl</i>	<i>51.7 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	<i>03/27/16 16:52</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>62.0 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	<i>03/27/16 16:52</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>61.5 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	<i>03/28/16 16:56</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Client Sample ID S-32

Lab ID: 1601118-32

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B6C0731	03/28/2016	03/29/16 10:42	
Lead	6.3	1.0	1	B6C0731	03/28/2016	03/29/16 10:42	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	4.4	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
4,4'-DDE	180	20	10	B6C0716	03/25/2016	03/28/16 17:08	
4,4'-DDT [2C]	18	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 17:02	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:02	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 17:02	
Toxaphene	460	50	1	B6C0716	03/25/2016	03/27/16 17:02	
<i>Surrogate: Decachlorobiphenyl</i>	81.4 %	16 - 137		B6C0716	03/25/2016	03/28/16 17:08	
<i>Surrogate: Decachlorobiphenyl</i>	94.2 %	16 - 137		B6C0716	03/25/2016	03/27/16 17:02	
<i>Surrogate: Tetrachloro-m-xylene</i>	74.0 %	16 - 105		B6C0716	03/25/2016	03/27/16 17:02	
<i>Surrogate: Tetrachloro-m-xylene</i>	75.4 %	16 - 105		B6C0716	03/25/2016	03/28/16 17:08	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-33

Lab ID: 1601118-33

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B6C0731	03/28/2016	03/29/16 10:44	
Lead	6.3	1.0	1	B6C0731	03/28/2016	03/29/16 10:44	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	3.1	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
4,4'-DDE	110	10	5	B6C0716	03/25/2016	03/28/16 17:21	
4,4'-DDT [2C]	8.4	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 17:12	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:12	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 17:12	
Toxaphene	240	50	1	B6C0716	03/25/2016	03/27/16 17:12	
<i>Surrogate: Decachlorobiphenyl</i>	<i>84.8 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	03/28/16 17:21	
<i>Surrogate: Decachlorobiphenyl</i>	<i>71.8 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	03/27/16 17:12	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>81.6 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	03/28/16 17:21	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>41.4 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	03/27/16 17:12	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-34

Lab ID: 1601118-34

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0731	03/28/2016	03/29/16 10:46	
Lead	6.6	1.0	1	B6C0731	03/28/2016	03/29/16 10:46	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
4,4'-DDE [2C]	62	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
4,4'-DDT [2C]	7.9	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Aldrin	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
alpha-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
alpha-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
beta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Chlordane	ND	8.5	1	B6C0716	03/25/2016	03/27/16 17:23	
delta-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Dieldrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Endosulfan I	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Endosulfan II	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Endosulfan sulfate	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Endrin	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Endrin aldehyde	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Endrin ketone	ND	2.0	1	B6C0716	03/25/2016	03/27/16 17:23	
gamma-BHC	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
gamma-Chlordane	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Heptachlor	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Heptachlor epoxide	ND	1.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Methoxychlor	ND	5.0	1	B6C0716	03/25/2016	03/27/16 17:23	
Toxaphene	210	50	1	B6C0716	03/25/2016	03/27/16 17:23	
<i>Surrogate: Decachlorobiphenyl</i>	<i>80.5 %</i>	<i>16 - 137</i>		B6C0716	03/25/2016	03/27/16 17:23	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>53.3 %</i>	<i>16 - 105</i>		B6C0716	03/25/2016	03/27/16 17:23	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-35
Lab ID: 1601118-35

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	8.4	1.0	1	B6C0731	03/28/2016	03/29/16 10:48	
Lead	7.5	1.0	1	B6C0731	03/28/2016	03/29/16 10:48	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
4,4'-DDE	61	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
4,4'-DDT	7.4	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 15:00	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:00	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 15:00	
Toxaphene	190	50	1	B6C0719	03/26/2016	03/27/16 15:00	
<i>Surrogate: Decachlorobiphenyl</i>	<i>79.8 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	03/27/16 15:00	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>91.4 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	03/27/16 15:00	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-36
Lab ID: 1601118-36

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B6C0731	03/28/2016	03/29/16 10:49	
Lead	6.3	1.0	1	B6C0731	03/28/2016	03/29/16 10:49	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
4,4'-DDE	25	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
4,4'-DDT	2.6	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 15:12	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:12	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 15:12	
Toxaphene	82	50	1	B6C0719	03/26/2016	03/27/16 15:12	
<i>Surrogate: Decachlorobiphenyl</i>	<i>60.1 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 15:12</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>69.7 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 15:12</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-37

Lab ID: 1601118-37

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.2	1.0	1	B6C0731	03/28/2016	03/29/16 10:55	
Lead	3.6	1.0	1	B6C0731	03/28/2016	03/29/16 10:55	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
4,4'-DDE	3.3	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 15:25	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:25	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 15:25	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 15:25	
<i>Surrogate: Decachlorobiphenyl</i>	<i>73.9 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 15:25</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>90.2 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 15:25</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-38

Lab ID: 1601118-38

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.0	1.0	1	B6C0731	03/28/2016	03/29/16 10:57	
Lead	6.1	1.0	1	B6C0731	03/28/2016	03/29/16 10:57	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
4,4'-DDE	5.6	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 15:37	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:37	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 15:37	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 15:37	
Surrogate: Decachlorobiphenyl	76.1 %	16 - 137		B6C0719	03/26/2016	03/27/16 15:37	
Surrogate: Tetrachloro-m-xylene	82.6 %	16 - 105		B6C0719	03/26/2016	03/27/16 15:37	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-39

Lab ID: 1601118-39

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B6C0731	03/28/2016	03/29/16 10:58	
Lead	6.7	1.0	1	B6C0731	03/28/2016	03/29/16 10:58	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
4,4'-DDE	8.5	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 15:49	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 15:49	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 15:49	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 15:49	
<i>Surrogate: Decachlorobiphenyl</i>	<i>66.6 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 15:49</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>75.2 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 15:49</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-40

Lab ID: 1601118-40

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0731	03/28/2016	03/29/16 12:48	
Lead	5.8	1.0	1	B6C0731	03/28/2016	03/29/16 12:48	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
4,4'-DDE	2.5	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 16:01	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:01	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 16:01	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 16:01	
Surrogate: Decachlorobiphenyl	64.5 %	16 - 137		B6C0719	03/26/2016	03/27/16 16:01	
Surrogate: Tetrachloro-m-xylene	76.3 %	16 - 105		B6C0719	03/26/2016	03/27/16 16:01	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-41

Lab ID: 1601118-41

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.7	1.0	1	B6C0732	03/28/2016	03/29/16 11:06	
Lead	7.8	1.0	1	B6C0732	03/28/2016	03/29/16 11:06	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
4,4'-DDE	30	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 16:14	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:14	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 16:14	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 16:14	
<i>Surrogate: Decachlorobiphenyl</i>	<i>73.2 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 16:14</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>83.9 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 16:14</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-42

Lab ID: 1601118-42

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0732	03/28/2016	03/29/16 11:11	
Lead	6.5	1.0	1	B6C0732	03/28/2016	03/29/16 11:11	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
4,4'-DDE	2.2	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 16:26	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:26	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 16:26	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 16:26	
<i>Surrogate: Decachlorobiphenyl</i>	<i>71.9 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 16:26</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>89.0 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 16:26</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-43

Lab ID: 1601118-43

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:11	
Lead	7.1	1.0	1	B6C0732	03/28/2016	03/29/16 12:11	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
4,4'-DDE	14	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 16:38	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:38	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 16:38	
Toxaphene	60	50	1	B6C0719	03/26/2016	03/27/16 16:38	
<i>Surrogate: Decachlorobiphenyl</i>	<i>69.4 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 16:38</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>79.7 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 16:38</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-44
Lab ID: 1601118-44

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.2	1.0	1	B6C0732	03/28/2016	03/29/16 12:13	
Lead	7.6	1.0	1	B6C0732	03/28/2016	03/29/16 12:13	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
4,4'-DDE	27	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 16:50	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 16:50	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 16:50	
Toxaphene	120	50	1	B6C0719	03/26/2016	03/27/16 16:50	
<i>Surrogate: Decachlorobiphenyl</i>	<i>73.5 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 16:50</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>83.2 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 16:50</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-45

Lab ID: 1601118-45

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.6	1.0	1	B6C0732	03/28/2016	03/29/16 12:14	
Lead	3.4	1.0	1	B6C0732	03/28/2016	03/29/16 12:14	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
4,4'-DDE	4.7	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 17:02	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:02	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 17:02	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 17:02	
<i>Surrogate: Decachlorobiphenyl</i>	<i>79.9 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 17:02</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>85.0 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 17:02</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-46
Lab ID: 1601118-46

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.9	1.0	1	B6C0732	03/28/2016	03/29/16 12:16	
Lead	4.2	1.0	1	B6C0732	03/28/2016	03/29/16 12:16	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
4,4'-DDE	7.2	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 17:15	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:15	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 17:15	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 17:15	
<i>Surrogate: Decachlorobiphenyl</i>	<i>74.1 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 17:15</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>81.3 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 17:15</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Client Sample ID S-47

Lab ID: 1601118-47

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.4	1.0	1	B6C0732	03/28/2016	03/29/16 12:18	
Lead	7.9	1.0	1	B6C0732	03/28/2016	03/29/16 12:18	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
4,4'-DDE	17	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
4,4'-DDT [2C]	3.0	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 17:27	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:27	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 17:27	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 17:27	
Surrogate: Decachlorobiphenyl	48.1 %	16 - 137		B6C0719	03/26/2016	03/27/16 17:27	
Surrogate: Tetrachloro-m-xylene	51.6 %	16 - 105		B6C0719	03/26/2016	03/27/16 17:27	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-48

Lab ID: 1601118-48

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.6	1.0	1	B6C0732	03/28/2016	03/29/16 12:20	
Lead	4.8	1.0	1	B6C0732	03/28/2016	03/29/16 12:20	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
4,4'-DDE	58	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
4,4'-DDT	5.7	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 17:39	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:39	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 17:39	
Toxaphene [2C]	120	50	1	B6C0719	03/26/2016	03/27/16 17:39	
<i>Surrogate: Decachlorobiphenyl</i>	<i>65.6 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	03/27/16 17:39	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>82.1 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	03/27/16 17:39	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-49

Lab ID: 1601118-49

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:22	
Lead	4.5	1.0	1	B6C0732	03/28/2016	03/29/16 12:22	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
4,4'-DDE	9.8	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 17:51	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 17:51	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 17:51	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 17:51	
<i>Surrogate: Decachlorobiphenyl</i>	<i>67.4 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 17:51</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>76.4 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 17:51</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-50

Lab ID: 1601118-50

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B6C0732	03/28/2016	03/29/16 12:24	
Lead	6.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:24	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
4,4'-DDE	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 18:04	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:04	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 18:04	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 18:04	
Surrogate: Decachlorobiphenyl	59.8 %	16 - 137		B6C0719	03/26/2016	03/27/16 18:04	
Surrogate: Tetrachloro-m-xylene	64.3 %	16 - 105		B6C0719	03/26/2016	03/27/16 18:04	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-51

Lab ID: 1601118-51

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:26	
Lead	5.7	1.0	1	B6C0732	03/28/2016	03/29/16 12:26	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
4,4'-DDE	4.2	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 18:16	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:16	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 18:16	
Toxaphene	ND	50	1	B6C0719	03/26/2016	03/27/16 18:16	
<i>Surrogate: Decachlorobiphenyl</i>	<i>60.9 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 18:16</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.0 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 18:16</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-52

Lab ID: 1601118-52

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0732	03/28/2016	03/29/16 12:27	
Lead	5.8	1.0	1	B6C0732	03/28/2016	03/29/16 12:27	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
4,4'-DDE	22	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
4,4'-DDT	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 18:28	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:28	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 18:28	
Toxaphene	100	50	1	B6C0719	03/26/2016	03/27/16 18:28	
<i>Surrogate: Decachlorobiphenyl</i>	<i>70.5 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 18:28</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>74.9 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 18:28</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-53

Lab ID: 1601118-53

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:33	
Lead	5.4	1.0	1	B6C0732	03/28/2016	03/29/16 12:33	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
4,4'-DDE	88	10	5	B6C0719	03/26/2016	03/28/16 17:33	
4,4'-DDT	4.5	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 18:40	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:40	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 18:40	
Toxaphene	280	50	1	B6C0719	03/26/2016	03/27/16 18:40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>60.4 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/27/16 18:40</i>	
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.2 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	<i>03/28/16 17:33</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>68.6 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/28/16 17:33</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>65.6 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	<i>03/27/16 18:40</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-54

Lab ID: 1601118-54

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B6C0732	03/28/2016	03/29/16 12:35	
Lead	5.7	1.0	1	B6C0732	03/28/2016	03/29/16 12:35	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
4,4'-DDE	77	10	5	B6C0719	03/26/2016	03/28/16 17:45	
4,4'-DDT [2C]	3.9	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Aldrin	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
alpha-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
alpha-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
beta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Chlordane	ND	8.5	1	B6C0719	03/26/2016	03/27/16 18:52	
delta-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Dieldrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Endosulfan I	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Endosulfan II	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Endosulfan sulfate	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Endrin	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Endrin aldehyde	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Endrin ketone	ND	2.0	1	B6C0719	03/26/2016	03/27/16 18:52	
gamma-BHC	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
gamma-Chlordane	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Heptachlor	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Heptachlor epoxide	ND	1.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Methoxychlor	ND	5.0	1	B6C0719	03/26/2016	03/27/16 18:52	
Toxaphene	220	50	1	B6C0719	03/26/2016	03/27/16 18:52	
<i>Surrogate: Decachlorobiphenyl</i>	<i>63.6 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	03/27/16 18:52	
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.4 %</i>	<i>16 - 137</i>		B6C0719	03/26/2016	03/28/16 17:45	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>71.3 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	03/28/16 17:45	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>69.5 %</i>	<i>16 - 105</i>		B6C0719	03/26/2016	03/27/16 18:52	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-55

Lab ID: 1601118-55

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.7	1.0	1	B6C0732	03/28/2016	03/29/16 12:36	
Lead	6.1	1.0	1	B6C0732	03/28/2016	03/29/16 12:36	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
4,4'-DDE	45	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
4,4'-DDT	2.6	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 14:06	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:06	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 14:06	
Toxaphene	100	50	1	B6C0757	03/28/2016	03/29/16 14:06	
Surrogate: Decachlorobiphenyl	73.2 %	24 - 135		B6C0757	03/28/2016	03/29/16 14:06	
Surrogate: Tetrachloro-m-xylene	70.1 %	29 - 105		B6C0757	03/28/2016	03/29/16 14:06	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-56

Lab ID: 1601118-56

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.5	1.0	1	B6C0732	03/28/2016	03/29/16 12:38	
Lead	6.6	1.0	1	B6C0732	03/28/2016	03/29/16 12:38	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
4,4'-DDE	60	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
4,4'-DDT	5.7	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 14:18	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:18	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 14:18	
Toxaphene	170	50	1	B6C0757	03/28/2016	03/29/16 14:18	
Surrogate: Decachlorobiphenyl	57.3 %	24 - 135		B6C0757	03/28/2016	03/29/16 14:18	
Surrogate: Tetrachloro-m-xylene	54.6 %	29 - 105		B6C0757	03/28/2016	03/29/16 14:18	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-57

Lab ID: 1601118-57

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:40	
Lead	6.0	1.0	1	B6C0732	03/28/2016	03/29/16 12:40	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
4,4'-DDE	27	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
4,4'-DDT [2C]	2.7	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 14:31	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:31	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 14:31	
Toxaphene	50	50	1	B6C0757	03/28/2016	03/29/16 14:31	
<i>Surrogate: Decachlorobiphenyl</i>	<i>69.4 %</i>	<i>24 - 135</i>		B6C0757	03/28/2016	<i>03/29/16 14:31</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>65.7 %</i>	<i>29 - 105</i>		B6C0757	03/28/2016	<i>03/29/16 14:31</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Client Sample ID S-58

Lab ID: 1601118-58

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:41	
Lead	5.7	1.0	1	B6C0732	03/28/2016	03/29/16 12:41	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
4,4'-DDE	40	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
4,4'-DDT [2C]	3.5	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 14:43	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:43	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 14:43	
Toxaphene	120	50	1	B6C0757	03/28/2016	03/29/16 14:43	
Surrogate: Decachlorobiphenyl	66.9 %	24 - 135		B6C0757	03/28/2016	03/29/16 14:43	
Surrogate: Tetrachloro-m-xylene	64.8 %	29 - 105		B6C0757	03/28/2016	03/29/16 14:43	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-59

Lab ID: 1601118-59

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0732	03/28/2016	03/29/16 12:43	
Lead	6.7	1.0	1	B6C0732	03/28/2016	03/29/16 12:43	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
4,4'-DDE	56	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
4,4'-DDT	3.1	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 14:55	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 14:55	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 14:55	
Toxaphene	120	50	1	B6C0757	03/28/2016	03/29/16 14:55	
Surrogate: Decachlorobiphenyl	52.4 %	24 - 135		B6C0757	03/28/2016	03/29/16 14:55	
Surrogate: Tetrachloro-m-xylene	50.3 %	29 - 105		B6C0757	03/28/2016	03/29/16 14:55	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-60

Lab ID: 1601118-60

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0732	03/28/2016	03/29/16 12:45	
Lead	6.4	1.0	1	B6C0732	03/28/2016	03/29/16 12:45	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
4,4'-DDE	42	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
4,4'-DDT [2C]	3.2	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 15:07	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:07	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 15:07	
Toxaphene	85	50	1	B6C0757	03/28/2016	03/29/16 15:07	
<i>Surrogate: Decachlorobiphenyl</i>	71.7 %	24 - 135		B6C0757	03/28/2016	03/29/16 15:07	
<i>Surrogate: Tetrachloro-m-xylene</i>	72.8 %	29 - 105		B6C0757	03/28/2016	03/29/16 15:07	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-61

Lab ID: 1601118-61

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0733	03/28/2016	03/29/16 13:01	
Lead	6.5	1.0	1	B6C0733	03/28/2016	03/29/16 13:01	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
4,4'-DDE	92	10	5	B6C0722	03/26/2016	03/28/16 17:57	
4,4'-DDT	11	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 09:13	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:13	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 09:13	
Toxaphene	240	50	1	B6C0722	03/26/2016	03/28/16 09:13	
Surrogate: Decachlorobiphenyl	78.1 %	16 - 137		B6C0722	03/26/2016	03/28/16 17:57	
Surrogate: Decachlorobiphenyl	74.7 %	16 - 137		B6C0722	03/26/2016	03/28/16 09:13	
Surrogate: Tetrachloro-m-xylene	72.9 %	16 - 105		B6C0722	03/26/2016	03/28/16 17:57	
Surrogate: Tetrachloro-m-xylene	77.6 %	16 - 105		B6C0722	03/26/2016	03/28/16 09:13	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-62

Lab ID: 1601118-62

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.6	1.0	1	B6C0733	03/28/2016	03/29/16 13:06	
Lead	7.6	1.0	1	B6C0733	03/28/2016	03/29/16 13:06	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
4,4'-DDE	54	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
4,4'-DDT	4.1	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 09:26	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:26	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 09:26	
Toxaphene	130	50	1	B6C0722	03/26/2016	03/28/16 09:26	
<i>Surrogate: Decachlorobiphenyl</i>	<i>78.5 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	03/28/16 09:26	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>74.7 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	03/28/16 09:26	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-63

Lab ID: 1601118-63

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B6C0733	03/28/2016	03/29/16 13:07	
Lead	7.3	1.0	1	B6C0733	03/28/2016	03/29/16 13:07	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
4,4'-DDE	46	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
4,4'-DDT	4.7	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 09:38	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:38	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 09:38	
Toxaphene	120	50	1	B6C0722	03/26/2016	03/28/16 09:38	
<i>Surrogate: Decachlorobiphenyl</i>	<i>71.3 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	03/28/16 09:38	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>77.4 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	03/28/16 09:38	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Client Sample ID S-64

Lab ID: 1601118-64

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:09	
Lead	6.9	1.0	1	B6C0733	03/28/2016	03/29/16 13:09	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
4,4'-DDE	11	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 09:50	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 09:50	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 09:50	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 09:50	
Surrogate: Decachlorobiphenyl	73.3 %	16 - 137		B6C0722	03/26/2016	03/28/16 09:50	
Surrogate: Tetrachloro-m-xylene	86.7 %	16 - 105		B6C0722	03/26/2016	03/28/16 09:50	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-65

Lab ID: 1601118-65

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0733	03/28/2016	03/29/16 13:11	
Lead	6.8	1.0	1	B6C0733	03/28/2016	03/29/16 13:11	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
4,4'-DDE	14	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 10:02	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:02	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 10:02	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 10:02	
Surrogate: Decachlorobiphenyl	76.7 %	16 - 137		B6C0722	03/26/2016	03/28/16 10:02	
Surrogate: Tetrachloro-m-xylene	84.3 %	16 - 105		B6C0722	03/26/2016	03/28/16 10:02	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-66
Lab ID: 1601118-66

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0733	03/28/2016	03/29/16 13:16	
Lead	6.0	1.0	1	B6C0733	03/28/2016	03/29/16 13:16	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
4,4'-DDE	14	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 10:14	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:14	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 10:14	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 10:14	
Surrogate: Decachlorobiphenyl	67.3 %	16 - 137		B6C0722	03/26/2016	03/28/16 10:14	
Surrogate: Tetrachloro-m-xylene	73.8 %	16 - 105		B6C0722	03/26/2016	03/28/16 10:14	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-67

Lab ID: 1601118-67

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B6C0733	03/28/2016	03/29/16 13:18	
Lead	7.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:18	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
4,4'-DDE	18	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 10:27	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:27	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 10:27	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 10:27	
<i>Surrogate: Decachlorobiphenyl</i>	<i>74.3 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	<i>03/28/16 10:27</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>74.1 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	<i>03/28/16 10:27</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-68

Lab ID: 1601118-68

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0733	03/28/2016	03/29/16 13:20	
Lead	6.1	1.0	1	B6C0733	03/28/2016	03/29/16 13:20	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
4,4'-DDE	12	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 10:39	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:39	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 10:39	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 10:39	
<i>Surrogate: Decachlorobiphenyl</i>	<i>75.0 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	<i>03/28/16 10:39</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>75.2 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	<i>03/28/16 10:39</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-69

Lab ID: 1601118-69

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B6C0733	03/28/2016	03/29/16 13:21	
Lead	6.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:21	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
4,4'-DDE	22	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 10:51	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 10:51	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 10:51	
Toxaphene [2C]	ND	50	1	B6C0722	03/26/2016	03/28/16 10:51	
Surrogate: Decachlorobiphenyl	61.2 %	16 - 137		B6C0722	03/26/2016	03/28/16 10:51	
Surrogate: Tetrachloro-m-xylene	65.1 %	16 - 105		B6C0722	03/26/2016	03/28/16 10:51	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-70

Lab ID: 1601118-70

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B6C0733	03/28/2016	03/29/16 13:23	
Lead	6.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:23	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
4,4'-DDE	25	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
4,4'-DDT [2C]	2.5	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 11:02	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:02	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 11:02	
Toxaphene [2C]	ND	50	1	B6C0722	03/26/2016	03/28/16 11:02	
Surrogate: Decachlorobiphenyl	72.5 %	16 - 137		B6C0722	03/26/2016	03/28/16 11:02	
Surrogate: Tetrachloro-m-xylene	78.5 %	16 - 105		B6C0722	03/26/2016	03/28/16 11:02	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-71

Lab ID: 1601118-71

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.1	1.0	1	B6C0733	03/28/2016	03/29/16 13:25	
Lead	6.9	1.0	1	B6C0733	03/28/2016	03/29/16 13:25	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
4,4'-DDE	29	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
4,4'-DDT	3.9	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 11:15	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:15	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 11:15	
Toxaphene	62	50	1	B6C0722	03/26/2016	03/28/16 11:15	
Surrogate: Decachlorobiphenyl	77.9 %	16 - 137		B6C0722	03/26/2016	03/28/16 11:15	
Surrogate: Tetrachloro-m-xylene	79.1 %	16 - 105		B6C0722	03/26/2016	03/28/16 11:15	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-72

Lab ID: 1601118-72

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B6C0733	03/28/2016	03/29/16 13:27	
Lead	7.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:27	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
4,4'-DDE	29	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 11:27	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:27	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 11:27	
Toxaphene	53	50	1	B6C0722	03/26/2016	03/28/16 11:27	
<i>Surrogate: Decachlorobiphenyl</i>	<i>66.4 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	<i>03/28/16 11:27</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>64.7 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	<i>03/28/16 11:27</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-73

Lab ID: 1601118-73

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:30	
Lead	7.3	1.0	1	B6C0733	03/28/2016	03/29/16 13:30	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
4,4'-DDE	25	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 11:39	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:39	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 11:39	
Toxaphene [2C]	ND	50	1	B6C0722	03/26/2016	03/28/16 11:39	
<i>Surrogate: Decachlorobiphenyl</i>	<i>66.1 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	<i>03/28/16 11:39</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.7 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	<i>03/28/16 11:39</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-74

Lab ID: 1601118-74

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B6C0733	03/28/2016	03/29/16 13:32	
Lead	6.5	1.0	1	B6C0733	03/28/2016	03/29/16 13:32	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
4,4'-DDE	32	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
4,4'-DDT	2.9	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 11:51	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 11:51	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 11:51	
Toxaphene [2C]	54	50	1	B6C0722	03/26/2016	03/28/16 11:51	
<i>Surrogate: Decachlorobiphenyl</i>	<i>79.6 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	03/28/16 11:51	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>79.9 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	03/28/16 11:51	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-75

Lab ID: 1601118-75

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0733	03/28/2016	03/29/16 13:34	
Lead	7.1	1.0	1	B6C0733	03/28/2016	03/29/16 13:34	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
4,4'-DDE	2.7	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 12:03	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:03	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 12:03	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 12:03	
Surrogate: Decachlorobiphenyl	70.6 %	16 - 137		B6C0722	03/26/2016	03/28/16 12:03	
Surrogate: Tetrachloro-m-xylene	69.4 %	16 - 105		B6C0722	03/26/2016	03/28/16 12:03	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-76

Lab ID: 1601118-76

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B6C0733	03/28/2016	03/29/16 13:41	
Lead	7.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:41	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
4,4'-DDE	4.4	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 12:16	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:16	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 12:16	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 12:16	
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.9 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	<i>03/28/16 12:16</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>84.8 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	<i>03/28/16 12:16</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-77

Lab ID: 1601118-77

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0733	03/28/2016	03/29/16 13:43	
Lead	8.2	1.0	1	B6C0733	03/28/2016	03/29/16 13:43	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
4,4'-DDE	2.3	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
4,4'-DDT	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 12:28	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Dieldrin [2C]	3.9	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:28	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 12:28	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 12:28	
<i>Surrogate: Decachlorobiphenyl</i>	<i>57.5 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	<i>03/28/16 12:28</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>58.3 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	<i>03/28/16 12:28</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-78

Lab ID: 1601118-78

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.6	1.0	1	B6C0733	03/28/2016	03/29/16 13:45	
Lead	6.0	1.0	1	B6C0733	03/28/2016	03/29/16 13:45	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
4,4'-DDE	61	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
4,4'-DDT [2C]	3.7	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 12:40	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:40	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 12:40	
Toxaphene	100	50	1	B6C0722	03/26/2016	03/28/16 12:40	
Surrogate: Decachlorobiphenyl	76.1 %	16 - 137		B6C0722	03/26/2016	03/28/16 12:40	
Surrogate: Tetrachloro-m-xylene	79.4 %	16 - 105		B6C0722	03/26/2016	03/28/16 12:40	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-79

Lab ID: 1601118-79

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B6C0733	03/28/2016	03/29/16 13:47	
Lead	5.9	1.0	1	B6C0733	03/28/2016	03/29/16 13:47	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
4,4'-DDE	20	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
4,4'-DDT	9.2	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 12:52	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 12:52	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 12:52	
Toxaphene	ND	50	1	B6C0722	03/26/2016	03/28/16 12:52	
Surrogate: Decachlorobiphenyl	73.4 %	16 - 137		B6C0722	03/26/2016	03/28/16 12:52	
Surrogate: Tetrachloro-m-xylene	75.2 %	16 - 105		B6C0722	03/26/2016	03/28/16 12:52	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-80

Lab ID: 1601118-80

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.5	1.0	1	B6C0733	03/28/2016	03/29/16 13:49	
Lead	6.4	1.0	1	B6C0733	03/28/2016	03/29/16 13:49	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
4,4'-DDE	63	10	5	B6C0722	03/26/2016	03/28/16 18:10	
4,4'-DDT	6.2	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Aldrin	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
alpha-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
alpha-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
beta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Chlordane	ND	8.5	1	B6C0722	03/26/2016	03/28/16 13:04	
delta-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Dieldrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Endosulfan I	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Endosulfan II	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Endosulfan sulfate	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Endrin	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Endrin aldehyde	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Endrin ketone	ND	2.0	1	B6C0722	03/26/2016	03/28/16 13:04	
gamma-BHC	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
gamma-Chlordane	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Heptachlor	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Heptachlor epoxide	ND	1.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Methoxychlor	ND	5.0	1	B6C0722	03/26/2016	03/28/16 13:04	
Toxaphene	150	50	1	B6C0722	03/26/2016	03/28/16 13:04	
<i>Surrogate: Decachlorobiphenyl</i>	<i>78.6 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	03/28/16 13:04	
<i>Surrogate: Decachlorobiphenyl</i>	<i>84.3 %</i>	<i>16 - 137</i>		B6C0722	03/26/2016	03/28/16 18:10	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>79.4 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	03/28/16 13:04	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>79.3 %</i>	<i>16 - 105</i>		B6C0722	03/26/2016	03/28/16 18:10	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-81

Lab ID: 1601118-81

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B6C0734	03/28/2016	03/29/16 13:54	
Lead	6.7	1.0	1	B6C0734	03/28/2016	03/29/16 13:54	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
4,4'-DDE	61	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
4,4'-DDT	4.6	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 15:19	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:19	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 15:19	
Toxaphene	110	50	1	B6C0757	03/28/2016	03/29/16 15:19	
Surrogate: Decachlorobiphenyl	69.4 %	24 - 135		B6C0757	03/28/2016	03/29/16 15:19	
Surrogate: Tetrachloro-m-xylene	71.6 %	29 - 105		B6C0757	03/28/2016	03/29/16 15:19	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-82

Lab ID: 1601118-82

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.3	1.0	1	B6C0734	03/28/2016	03/29/16 14:03	
Lead	6.3	1.0	1	B6C0734	03/28/2016	03/29/16 14:03	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
4,4'-DDE	44	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
4,4'-DDT [2C]	3.1	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 15:32	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:32	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 15:32	
Toxaphene	120	50	1	B6C0757	03/28/2016	03/29/16 15:32	
<i>Surrogate: Decachlorobiphenyl</i>	<i>75.6 %</i>	<i>24 - 135</i>		B6C0757	03/28/2016	03/29/16 15:32	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>73.2 %</i>	<i>29 - 105</i>		B6C0757	03/28/2016	03/29/16 15:32	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-83

Lab ID: 1601118-83

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B6C0734	03/28/2016	03/29/16 14:05	
Lead	6.4	1.0	1	B6C0734	03/28/2016	03/29/16 14:05	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
4,4'-DDE	45	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
4,4'-DDT	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 15:44	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:44	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 15:44	
Toxaphene	140	50	1	B6C0757	03/28/2016	03/29/16 15:44	
<i>Surrogate: Decachlorobiphenyl</i>	<i>72.1 %</i>	<i>24 - 135</i>		B6C0757	03/28/2016	<i>03/29/16 15:44</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>73.1 %</i>	<i>29 - 105</i>		B6C0757	03/28/2016	<i>03/29/16 15:44</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-84

Lab ID: 1601118-84

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B6C0734	03/28/2016	03/29/16 14:07	
Lead	5.0	1.0	1	B6C0734	03/28/2016	03/29/16 14:07	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
4,4'-DDE	7.6	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
4,4'-DDT	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 15:56	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 15:56	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 15:56	
Toxaphene	ND	50	1	B6C0757	03/28/2016	03/29/16 15:56	
<i>Surrogate: Decachlorobiphenyl</i>	<i>69.4 %</i>	<i>24 - 135</i>		B6C0757	03/28/2016	<i>03/29/16 15:56</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>71.7 %</i>	<i>29 - 105</i>		B6C0757	03/28/2016	<i>03/29/16 15:56</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-85

Lab ID: 1601118-85

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.4	1.0	1	B6C0734	03/28/2016	03/29/16 14:08	
Lead	5.5	1.0	1	B6C0734	03/28/2016	03/29/16 14:08	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
4,4'-DDE [2C]	91	10	5	B6C0757	03/28/2016	03/30/16 11:02	
4,4'-DDT	4.2	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 16:08	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:08	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 16:08	
Toxaphene	220	50	1	B6C0757	03/28/2016	03/29/16 16:08	
Surrogate: Decachlorobiphenyl	81.7 %	24 - 135		B6C0757	03/28/2016	03/30/16 11:02	
Surrogate: Decachlorobiphenyl	67.5 %	24 - 135		B6C0757	03/28/2016	03/29/16 16:08	
Surrogate: Tetrachloro-m-xylene	73.4 %	29 - 105		B6C0757	03/28/2016	03/30/16 11:02	
Surrogate: Tetrachloro-m-xylene	66.6 %	29 - 105		B6C0757	03/28/2016	03/29/16 16:08	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Client Sample ID S-86

Lab ID: 1601118-86

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B6C0734	03/28/2016	03/29/16 14:10	
Lead	5.3	1.0	1	B6C0734	03/28/2016	03/29/16 14:10	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
4,4'-DDE	8.7	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
4,4'-DDT	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 16:21	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:21	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 16:21	
Toxaphene	ND	50	1	B6C0757	03/28/2016	03/29/16 16:21	
<i>Surrogate: Decachlorobiphenyl</i>	<i>68.5 %</i>	<i>24 - 135</i>		B6C0757	03/28/2016	<i>03/29/16 16:21</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>74.4 %</i>	<i>29 - 105</i>		B6C0757	03/28/2016	<i>03/29/16 16:21</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-87

Lab ID: 1601118-87

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.7	1.0	1	B6C0734	03/28/2016	03/29/16 14:12	
Lead	12	1.0	1	B6C0734	03/28/2016	03/29/16 14:12	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
4,4'-DDE	13	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
4,4'-DDT	4.6	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
alpha-Chlordane	7.3	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Chlordane [2C]	53	8.5	1	B6C0757	03/28/2016	03/29/16 16:33	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Dieldrin	3.0	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:33	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
gamma-Chlordane	9.4	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 16:33	
Toxaphene	130	50	1	B6C0757	03/28/2016	03/29/16 16:33	
Surrogate: Decachlorobiphenyl	69.0 %	24 - 135		B6C0757	03/28/2016	03/29/16 16:33	
Surrogate: Tetrachloro-m-xylene	70.2 %	29 - 105		B6C0757	03/28/2016	03/29/16 16:33	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Client Sample ID S-88

Lab ID: 1601118-88

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B6C0734	03/28/2016	03/29/16 14:14	
Lead	6.0	1.0	1	B6C0734	03/28/2016	03/29/16 14:14	

Organochlorine Pesticides by EPA 8081

Analyst: CL

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
4,4'-DDE	7.1	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
4,4'-DDT	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Aldrin	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
alpha-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
alpha-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
beta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Chlordane	ND	8.5	1	B6C0757	03/28/2016	03/29/16 16:45	
delta-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Dieldrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Endosulfan I	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Endosulfan II	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Endosulfan sulfate	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Endrin	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Endrin aldehyde	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Endrin ketone	ND	2.0	1	B6C0757	03/28/2016	03/29/16 16:45	
gamma-BHC	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
gamma-Chlordane	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Heptachlor	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Heptachlor epoxide	ND	1.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Methoxychlor	ND	5.0	1	B6C0757	03/28/2016	03/29/16 16:45	
Toxaphene	ND	50	1	B6C0757	03/28/2016	03/29/16 16:45	
<i>Surrogate: Decachlorobiphenyl</i>	68.7 %	24 - 135		B6C0757	03/28/2016	03/29/16 16:45	
<i>Surrogate: Tetrachloro-m-xylene</i>	68.7 %	29 - 105		B6C0757	03/28/2016	03/29/16 16:45	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6C0730 - EPA 3050B_S

Blank (B6C0730-BLK1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				

LCS (B6C0730-BS1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	44.1235	1.0	50.0000		88.2	80 - 120			
Lead	45.8711	1.0	50.0000		91.7	80 - 120			

Matrix Spike (B6C0730-MS1)

Source: 1601118-01

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	99.0784	1.0	125.000	6.83833	73.8	57 - 109			
Lead	95.5447	1.0	125.000	6.71290	71.1	35 - 129			

Matrix Spike Dup (B6C0730-MSD1)

Source: 1601118-01

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	97.6788	1.0	125.000	6.83833	72.7	57 - 109	1.42	20	
Lead	94.1552	1.0	125.000	6.71290	70.0	35 - 129	1.46	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6C0731 - EPA 3050B_S

Blank (B6C0731-BLK1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	ND	1.0			NR	
Lead	ND	1.0			NR	

LCS (B6C0731-BS1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	44.3763	1.0	50.0000		88.8	80 - 120
Lead	45.5616	1.0	50.0000		91.1	80 - 120

Matrix Spike (B6C0731-MS1)

Source: 1601118-21

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	99.3883	1.0	125.000	6.29876	74.5	57 - 109
Lead	93.3042	1.0	125.000	6.23200	69.7	35 - 129

Matrix Spike Dup (B6C0731-MSD1)

Source: 1601118-21

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	97.4399	1.0	125.000	6.29876	72.9	57 - 109	1.98	20
Lead	90.6931	1.0	125.000	6.23200	67.6	35 - 129	2.84	20



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0732 - EPA 3050B_S

Blank (B6C0732-BLK1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	ND	1.0			NR			
Lead	ND	1.0			NR			

LCS (B6C0732-BS1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	43.8554	1.0	50.0000		87.7	80 - 120		
Lead	45.6430	1.0	50.0000		91.3	80 - 120		

Matrix Spike (B6C0732-MS1)

Source: 1601118-41

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	98.3802	1.0	125.000	7.69464	72.5	57 - 109		
Lead	92.7930	1.0	125.000	7.79084	68.0	35 - 129		

Matrix Spike Dup (B6C0732-MSD1)

Source: 1601118-41

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	96.2496	1.0	125.000	7.69464	70.8	57 - 109	2.19	20
Lead	90.1206	1.0	125.000	7.79084	65.9	35 - 129	2.92	20



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0733 - EPA 3050B_S

Blank (B6C0733-BLK1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	ND	1.0			NR			
Lead	ND	1.0			NR			

LCS (B6C0733-BS1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	43.9860	1.0	50.0000		88.0	80 - 120		
Lead	45.8324	1.0	50.0000		91.7	80 - 120		

Matrix Spike (B6C0733-MS1)

Source: 1601118-61

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	97.0634	1.0	125.000	6.55706	72.4	57 - 109		
Lead	92.9118	1.0	125.000	6.53404	69.1	35 - 129		

Matrix Spike Dup (B6C0733-MSD1)

Source: 1601118-61

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	98.8527	1.0	125.000	6.55706	73.8	57 - 109	1.83	20
Lead	94.7349	1.0	125.000	6.53404	70.6	35 - 129	1.94	20



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	------------------	------------	--------------	-------

Batch B6C0734 - EPA 3050B_S

Blank (B6C0734-BLK1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	ND	1.0			NR			
Lead	ND	1.0			NR			

LCS (B6C0734-BS1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	42.4341	1.0	50.0000		84.9	80 - 120		
Lead	44.7622	1.0	50.0000		89.5	80 - 120		

Matrix Spike (B6C0734-MS1)

Source: 1601118-81

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	94.7994	1.0	125.628	6.93818	69.9	57 - 109		
Lead	92.4261	1.0	125.628	6.65864	68.3	35 - 129		

Matrix Spike Dup (B6C0734-MSD1)

Source: 1601118-81

Prepared: 3/28/2016 Analyzed: 3/29/2016

Arsenic	96.4194	1.0	125.000	6.93818	71.6	57 - 109	1.69	20
Lead	94.2931	1.0	125.000	6.65864	70.1	35 - 129	2.00	20



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0710 - GCSEMI_PCB/PEST_S

Blank (B6C0710-BLK1)

Prepared: 3/25/2016 Analyzed: 3/25/2016

4,4'-DDD	ND	2.0			NR
4,4'-DDD [2C]	ND	2.0			NR
4,4'-DDE	ND	2.0			NR
4,4'-DDE [2C]	ND	2.0			NR
4,4'-DDT	ND	2.0			NR
4,4'-DDT [2C]	ND	2.0			NR
Aldrin	ND	1.0			NR
Aldrin [2C]	ND	1.0			NR
alpha-BHC	ND	1.0			NR
alpha-BHC [2C]	ND	1.0			NR
alpha-Chlordane	ND	1.0			NR
alpha-Chlordane [2C]	ND	1.0			NR
beta-BHC	ND	1.0			NR
beta-BHC [2C]	ND	1.0			NR
Chlordane	ND	8.5			NR
Chlordane [2C]	ND	8.5			NR
delta-BHC	ND	1.0			NR
delta-BHC [2C]	ND	1.0			NR
Dieldrin	ND	2.0			NR
Dieldrin [2C]	ND	2.0			NR
Endosulfan I	ND	1.0			NR
Endosulfan I [2C]	ND	1.0			NR
Endosulfan II	ND	2.0			NR
Endosulfan II [2C]	ND	2.0			NR
Endosulfan sulfate	ND	2.0			NR
Endosulfan Sulfate [2C]	ND	2.0			NR
Endrin	ND	2.0			NR
Endrin [2C]	ND	2.0			NR
Endrin aldehyde	ND	2.0			NR
Endrin aldehyde [2C]	ND	2.0			NR
Endrin ketone	ND	2.0			NR
Endrin ketone [2C]	ND	2.0			NR
gamma-BHC	ND	1.0			NR
gamma-BHC [2C]	ND	1.0			NR
gamma-Chlordane	ND	1.0			NR
gamma-Chlordane [2C]	ND	1.0			NR
Heptachlor	ND	1.0			NR
Heptachlor [2C]	ND	1.0			NR
Heptachlor epoxide	ND	1.0			NR
Heptachlor epoxide [2C]	ND	1.0			NR
Methoxychlor	ND	5.0			NR



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0710 - GCSEMI_PCB/PEST_S (continued)

Blank (B6C0710-BLK1) - Continued

Prepared: 3/25/2016 Analyzed: 3/25/2016

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.83</i>		<i>16.6667</i>		<i>77.0</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.40</i>		<i>16.6667</i>		<i>74.4</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.77</i>		<i>16.6667</i>		<i>76.6</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>12.61</i>		<i>16.6667</i>		<i>75.7</i>	<i>16 - 105</i>			

LCS (B6C0710-BS1)

Prepared: 3/25/2016 Analyzed: 3/25/2016

4,4'-DDD	14.0123	2.0	16.6667		84.1	58 - 100			
4,4'-DDD [2C]	13.9118	2.0	16.6667		83.5	58 - 100			
4,4'-DDE	12.7895	2.0	16.6667		76.7	65 - 99			
4,4'-DDE [2C]	13.2632	2.0	16.6667		79.6	65 - 99			
4,4'-DDT	12.8158	2.0	16.6667		76.9	39 - 116			
4,4'-DDT [2C]	12.5987	2.0	16.6667		75.6	39 - 116			
Aldrin	12.9030	1.0	16.6667		77.4	57 - 94			
Aldrin [2C]	12.9605	1.0	16.6667		77.8	57 - 94			
alpha-BHC	12.9342	1.0	16.6667		77.6	58 - 84			
alpha-BHC [2C]	12.8957	1.0	16.6667		77.4	58 - 84			
alpha-Chlordane	12.8160	1.0	16.6667		76.9	58 - 96			
alpha-Chlordane [2C]	12.8328	1.0	16.6667		77.0	58 - 96			
beta-BHC	12.5303	1.0	16.6667		75.2	58 - 87			
beta-BHC [2C]	12.2403	1.0	16.6667		73.4	58 - 87			
delta-BHC	13.5897	1.0	16.6667		81.5	18 - 75			L3
delta-BHC [2C]	13.3487	1.0	16.6667		80.1	18 - 75			L3
Dieldrin	13.0038	2.0	16.6667		78.0	62 - 94			
Dieldrin [2C]	13.2180	2.0	16.6667		79.3	62 - 94			
Endosulfan I	12.7542	1.0	16.6667		76.5	58 - 90			
Endosulfan I [2C]	12.7003	1.0	16.6667		76.2	58 - 90			
Endosulfan II	12.4712	2.0	16.6667		74.8	63 - 95			
Endosulfan II [2C]	12.5330	2.0	16.6667		75.2	63 - 95			
Endosulfan sulfate	14.3715	2.0	16.6667		86.2	59 - 89			
Endosulfan Sulfate [2C]	12.6635	2.0	16.6667		76.0	59 - 89			
Endrin	12.6460	2.0	16.6667		75.9	64 - 96			
Endrin [2C]	13.0085	2.0	16.6667		78.1	64 - 96			
Endrin aldehyde	14.3018	2.0	16.6667		85.8	65 - 95			
Endrin aldehyde [2C]	14.2222	2.0	16.6667		85.3	65 - 95			
Endrin ketone	14.0147	2.0	16.6667		84.1	59 - 101			
Endrin ketone [2C]	13.1022	2.0	16.6667		78.6	59 - 101			
gamma-BHC	13.3287	1.0	16.6667		80.0	63 - 89			
gamma-BHC [2C]	13.1967	1.0	16.6667		79.2	63 - 89			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0710 - GCSEMI_PCB/PEST_S (continued)

LCS (B6C0710-BS1) - Continued

Prepared: 3/25/2016 Analyzed: 3/25/2016

gamma-Chlordane	12.5748	1.0	16.6667		75.4	61 - 95			
gamma-Chlordane [2C]	12.7745	1.0	16.6667		76.6	61 - 95			
Heptachlor	13.7487	1.0	16.6667		82.5	65 - 102			
Heptachlor [2C]	12.8872	1.0	16.6667		77.3	65 - 102			
Heptachlor epoxide	12.9425	1.0	16.6667		77.7	61 - 95			
Heptachlor epoxide [2C]	12.6370	1.0	16.6667		75.8	61 - 95			
Methoxychlor	15.8795	5.0	16.6667		95.3	29 - 128			
Methoxychlor [2C]	14.2322	5.0	16.6667		85.4	29 - 128			
<i>Surrogate: Decachlorobiphenyl</i>	<i>13.46</i>		<i>16.6667</i>		<i>80.8</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.09</i>		<i>16.6667</i>		<i>72.6</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.08</i>		<i>16.6667</i>		<i>72.5</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.94</i>		<i>16.6667</i>		<i>71.7</i>	<i>16 - 105</i>			

Matrix Spike (B6C0710-MS1)

Source: 1601093-84

Prepared: 3/25/2016 Analyzed: 3/25/2016

4,4'-DDD	14.2598	2.0	16.6667	ND	85.6	27 - 123			
4,4'-DDD [2C]	15.2467	2.0	16.6667	ND	91.5	27 - 123			
4,4'-DDE	13.0243	2.0	16.6667	ND	78.1	28 - 126			
4,4'-DDE [2C]	13.6323	2.0	16.6667	ND	81.8	28 - 126			
4,4'-DDT	10.5363	2.0	16.6667	ND	63.2	12 - 149			
4,4'-DDT [2C]	13.7872	2.0	16.6667	ND	82.7	12 - 149			
Aldrin	12.4263	1.0	16.6667	ND	74.6	29 - 116			
Aldrin [2C]	13.4613	1.0	16.6667	ND	80.8	29 - 116			
alpha-BHC	12.6478	1.0	16.6667	ND	75.9	27 - 104			
alpha-BHC [2C]	13.5877	1.0	16.6667	ND	81.5	27 - 104			
alpha-Chlordane	13.0740	1.0	16.6667	ND	78.4	14 - 130			
alpha-Chlordane [2C]	13.2793	1.0	16.6667	ND	79.7	14 - 130			
beta-BHC	12.5112	1.0	16.6667	ND	75.1	20 - 115			
beta-BHC [2C]	13.0990	1.0	16.6667	ND	78.6	20 - 115			
delta-BHC	13.4025	1.0	16.6667	ND	80.4	8 - 78			M7
delta-BHC [2C]	14.0348	1.0	16.6667	ND	84.2	8 - 78			M7
Dieldrin	13.0550	2.0	16.6667	ND	78.3	20 - 134			
Dieldrin [2C]	13.8527	2.0	16.6667	ND	83.1	20 - 134			
Endosulfan I	12.2083	1.0	16.6667	ND	73.2	27 - 114			
Endosulfan I [2C]	12.8207	1.0	16.6667	ND	76.9	27 - 114			
Endosulfan II	12.6038	2.0	16.6667	ND	75.6	16 - 125			
Endosulfan II [2C]	13.2333	2.0	16.6667	ND	79.4	16 - 125			
Endosulfan sulfate	14.2598	2.0	16.6667	ND	85.6	1 - 126			
Endosulfan Sulfate [2C]	13.1367	2.0	16.6667	ND	78.8	1 - 126			
Endrin	13.0697	2.0	16.6667	ND	78.4	33 - 122			
Endrin [2C]	14.3478	2.0	16.6667	ND	86.1	33 - 122			
Endrin aldehyde	13.5873	2.0	16.6667	ND	81.5	0 - 137			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0710 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0710-MS1) - Continued

Source: 1601093-84

Prepared: 3/25/2016 Analyzed: 3/25/2016

Endrin aldehyde [2C]	9.46050	2.0	16.6667	ND	56.8	0 - 137			
Endrin ketone	14.0132	2.0	16.6667	ND	84.1	10 - 126			
Endrin ketone [2C]	13.8242	2.0	16.6667	ND	82.9	10 - 126			
gamma-BHC	13.2798	1.0	16.6667	ND	79.7	30 - 111			
gamma-BHC [2C]	13.9928	1.0	16.6667	ND	84.0	30 - 111			
gamma-Chlordane	12.5992	1.0	16.6667	ND	75.6	16 - 130			
gamma-Chlordane [2C]	13.3037	1.0	16.6667	ND	79.8	16 - 130			
Heptachlor	13.6858	1.0	16.6667	ND	82.1	34 - 127			
Heptachlor [2C]	13.5740	1.0	16.6667	ND	81.4	34 - 127			
Heptachlor epoxide	12.8520	1.0	16.6667	ND	77.1	19 - 130			
Heptachlor epoxide [2C]	13.0418	1.0	16.6667	ND	78.3	19 - 130			
Methoxychlor	17.6462	5.0	16.6667	ND	106	16 - 153			
Methoxychlor [2C]	15.7908	5.0	16.6667	ND	94.7	16 - 153			

<i>Surrogate: Decachlorobiphenyl</i>	12.28		16.6667		73.7	16 - 137			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	13.24		16.6667		79.4	16 - 137			
<i>Surrogate: Tetrachloro-m-xylene</i>	11.48		16.6667		68.9	16 - 105			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	12.18		16.6667		73.1	16 - 105			

Matrix Spike Dup (B6C0710-MSD1)

Source: 1601093-84

Prepared: 3/25/2016 Analyzed: 3/25/2016

4,4'-DDD	14.0835	2.0	16.6667	ND	84.5	27 - 123	1.24	20	
4,4'-DDD [2C]	15.3943	2.0	16.6667	ND	92.4	27 - 123	0.964	20	
4,4'-DDE	12.8292	2.0	16.6667	ND	77.0	28 - 126	1.51	20	
4,4'-DDE [2C]	13.8008	2.0	16.6667	ND	82.8	28 - 126	1.23	20	
4,4'-DDT	10.1887	2.0	16.6667	ND	61.1	12 - 149	3.35	20	
4,4'-DDT [2C]	13.7598	2.0	16.6667	ND	82.6	12 - 149	0.198	20	
Aldrin	12.1547	1.0	16.6667	ND	72.9	29 - 116	2.21	20	
Aldrin [2C]	13.1972	1.0	16.6667	ND	79.2	29 - 116	1.98	20	
alpha-BHC	12.3890	1.0	16.6667	ND	74.3	27 - 104	2.07	20	
alpha-BHC [2C]	13.2657	1.0	16.6667	ND	79.6	27 - 104	2.40	20	
alpha-Chlordane	12.8833	1.0	16.6667	ND	77.3	14 - 130	1.47	20	
alpha-Chlordane [2C]	13.2257	1.0	16.6667	ND	79.4	14 - 130	0.405	20	
beta-BHC	12.3197	1.0	16.6667	ND	73.9	20 - 115	1.54	20	
beta-BHC [2C]	12.9422	1.0	16.6667	ND	77.7	20 - 115	1.20	20	
delta-BHC	13.1787	1.0	16.6667	ND	79.1	8 - 78	1.68	20	M7
delta-BHC [2C]	13.7947	1.0	16.6667	ND	82.8	8 - 78	1.73	20	M7
Dieldrin	12.7895	2.0	16.6667	ND	76.7	20 - 134	2.05	20	
Dieldrin [2C]	13.9672	2.0	16.6667	ND	83.8	20 - 134	0.823	20	
Endosulfan I	11.9802	1.0	16.6667	ND	71.9	27 - 114	1.89	20	
Endosulfan I [2C]	12.9082	1.0	16.6667	ND	77.4	27 - 114	0.680	20	
Endosulfan II	12.4600	2.0	16.6667	ND	74.8	16 - 125	1.15	20	
Endosulfan II [2C]	13.1880	2.0	16.6667	ND	79.1	16 - 125	0.343	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0710 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0710-MSD1) - Continued

Source: 1601093-84

Prepared: 3/25/2016 Analyzed: 3/25/2016

Endosulfan sulfate	13.9478	2.0	16.6667	ND	83.7	1 - 126	2.21	20	
Endosulfan Sulfate [2C]	13.1538	2.0	16.6667	ND	78.9	1 - 126	0.131	20	
Endrin	12.8835	2.0	16.6667	ND	77.3	33 - 122	1.43	20	
Endrin [2C]	14.4273	2.0	16.6667	ND	86.6	33 - 122	0.553	20	
Endrin aldehyde	13.3237	2.0	16.6667	ND	79.9	0 - 137	1.96	20	
Endrin aldehyde [2C]	9.44767	2.0	16.6667	ND	56.7	0 - 137	0.136	20	
Endrin ketone	13.7438	2.0	16.6667	ND	82.5	10 - 126	1.94	20	
Endrin ketone [2C]	13.7970	2.0	16.6667	ND	82.8	10 - 126	0.197	20	
gamma-BHC	13.0230	1.0	16.6667	ND	78.1	30 - 111	1.95	20	
gamma-BHC [2C]	13.7372	1.0	16.6667	ND	82.4	30 - 111	1.84	20	
gamma-Chlordane	12.3795	1.0	16.6667	ND	74.3	16 - 130	1.76	20	
gamma-Chlordane [2C]	13.2210	1.0	16.6667	ND	79.3	16 - 130	0.623	20	
Heptachlor	13.3993	1.0	16.6667	ND	80.4	34 - 127	2.12	20	
Heptachlor [2C]	13.3538	1.0	16.6667	ND	80.1	34 - 127	1.64	20	
Heptachlor epoxide	12.6292	1.0	16.6667	ND	75.8	19 - 130	1.75	20	
Heptachlor epoxide [2C]	13.0795	1.0	16.6667	ND	78.5	19 - 130	0.288	20	
Methoxychlor	17.3750	5.0	16.6667	ND	104	16 - 153	1.55	20	
Methoxychlor [2C]	15.8688	5.0	16.6667	ND	95.2	16 - 153	0.493	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.06</i>		<i>16.6667</i>		<i>72.4</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.67</i>		<i>16.6667</i>		<i>76.0</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.18</i>		<i>16.6667</i>		<i>67.1</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.92</i>		<i>16.6667</i>		<i>71.5</i>	<i>16 - 105</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0716 - GCSEMI_PCB/PEST_S

Blank (B6C0716-BLK1)

Prepared: 3/25/2016 Analyzed: 3/27/2016

4,4'-DDD	ND	2.0			NR
4,4'-DDD [2C]	ND	2.0			NR
4,4'-DDE	ND	2.0			NR
4,4'-DDE [2C]	ND	2.0			NR
4,4'-DDT	ND	2.0			NR
4,4'-DDT [2C]	ND	2.0			NR
Aldrin	ND	1.0			NR
Aldrin [2C]	ND	1.0			NR
alpha-BHC	ND	1.0			NR
alpha-BHC [2C]	ND	1.0			NR
alpha-Chlordane	ND	1.0			NR
alpha-Chlordane [2C]	ND	1.0			NR
beta-BHC	ND	1.0			NR
beta-BHC [2C]	ND	1.0			NR
Chlordane	ND	8.5			NR
Chlordane [2C]	ND	8.5			NR
delta-BHC	ND	1.0			NR
delta-BHC [2C]	ND	1.0			NR
Dieldrin	ND	2.0			NR
Dieldrin [2C]	ND	2.0			NR
Endosulfan I	ND	1.0			NR
Endosulfan I [2C]	ND	1.0			NR
Endosulfan II	ND	2.0			NR
Endosulfan II [2C]	ND	2.0			NR
Endosulfan sulfate	ND	2.0			NR
Endosulfan Sulfate [2C]	ND	2.0			NR
Endrin	ND	2.0			NR
Endrin [2C]	ND	2.0			NR
Endrin aldehyde	ND	2.0			NR
Endrin aldehyde [2C]	ND	2.0			NR
Endrin ketone	ND	2.0			NR
Endrin ketone [2C]	ND	2.0			NR
gamma-BHC	ND	1.0			NR
gamma-BHC [2C]	ND	1.0			NR
gamma-Chlordane	ND	1.0			NR
gamma-Chlordane [2C]	ND	1.0			NR
Heptachlor	ND	1.0			NR
Heptachlor [2C]	ND	1.0			NR
Heptachlor epoxide	ND	1.0			NR
Heptachlor epoxide [2C]	ND	1.0			NR
Methoxychlor	ND	5.0			NR



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0716 - GCSEMI_PCB/PEST_S (continued)

Blank (B6C0716-BLK1) - Continued

Prepared: 3/25/2016 Analyzed: 3/27/2016

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<i>Surrogate: Decachlorobiphenyl</i>	<i>14.47</i>		<i>16.6667</i>		<i>86.8</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>14.52</i>		<i>16.6667</i>		<i>87.1</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>14.34</i>		<i>16.6667</i>		<i>86.0</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.92</i>		<i>16.6667</i>		<i>83.5</i>	<i>16 - 105</i>			

LCS (B6C0716-BS1)

Prepared: 3/25/2016 Analyzed: 3/27/2016

4,4'-DDD	19.1183	2.0	16.6667		115	58 - 100			L3
4,4'-DDD [2C]	19.6790	2.0	16.6667		118	58 - 100			L3
4,4'-DDE	15.4642	2.0	16.6667		92.8	65 - 99			
4,4'-DDE [2C]	15.7038	2.0	16.6667		94.2	65 - 99			
4,4'-DDT	9.08450	2.0	16.6667		54.5	39 - 116			
4,4'-DDT [2C]	9.73650	2.0	16.6667		58.4	39 - 116			
Aldrin	15.4338	1.0	16.6667		92.6	57 - 94			
Aldrin [2C]	15.1917	1.0	16.6667		91.2	57 - 94			
alpha-BHC	15.2847	1.0	16.6667		91.7	58 - 84			L3
alpha-BHC [2C]	15.0878	1.0	16.6667		90.5	58 - 84			L3
alpha-Chlordane	15.4308	1.0	16.6667		92.6	58 - 96			
alpha-Chlordane [2C]	15.1538	1.0	16.6667		90.9	58 - 96			
beta-BHC	14.7495	1.0	16.6667		88.5	58 - 87			L3
beta-BHC [2C]	14.2043	1.0	16.6667		85.2	58 - 87			
delta-BHC	15.8480	1.0	16.6667		95.1	18 - 75			L3
delta-BHC [2C]	15.6110	1.0	16.6667		93.7	18 - 75			L3
Dieldrin	15.7182	2.0	16.6667		94.3	62 - 94			L3
Dieldrin [2C]	16.0022	2.0	16.6667		96.0	62 - 94			L3
Endosulfan I	14.1902	1.0	16.6667		85.1	58 - 90			
Endosulfan I [2C]	15.0527	1.0	16.6667		90.3	58 - 90			L3
Endosulfan II	15.4873	2.0	16.6667		92.9	63 - 95			
Endosulfan II [2C]	15.3413	2.0	16.6667		92.0	63 - 95			
Endosulfan sulfate	17.3165	2.0	16.6667		104	59 - 89			L3
Endosulfan Sulfate [2C]	15.3558	2.0	16.6667		92.1	59 - 89			L3
Endrin	14.9573	2.0	16.6667		89.7	64 - 96			
Endrin [2C]	15.6382	2.0	16.6667		93.8	64 - 96			
Endrin aldehyde	17.3585	2.0	16.6667		104	65 - 95			L3
Endrin aldehyde [2C]	16.7218	2.0	16.6667		100	65 - 95			L3
Endrin ketone	16.1050	2.0	16.6667		96.6	59 - 101			
Endrin ketone [2C]	15.1662	2.0	16.6667		91.0	59 - 101			
gamma-BHC	15.6383	1.0	16.6667		93.8	63 - 89			L3
gamma-BHC [2C]	15.3592	1.0	16.6667		92.2	63 - 89			L3



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0716 - GCSEMI_PCB/PEST_S (continued)

LCS (B6C0716-BS1) - Continued

Prepared: 3/25/2016 Analyzed: 3/27/2016

gamma-Chlordane	15.1468	1.0	16.6667		90.9	61 - 95			
gamma-Chlordane [2C]	15.0453	1.0	16.6667		90.3	61 - 95			
Heptachlor	14.3495	1.0	16.6667		86.1	65 - 102			
Heptachlor [2C]	13.3242	1.0	16.6667		79.9	65 - 102			
Heptachlor epoxide	15.4542	1.0	16.6667		92.7	61 - 95			
Heptachlor epoxide [2C]	14.8943	1.0	16.6667		89.4	61 - 95			
Methoxychlor	11.6385	5.0	16.6667		69.8	29 - 128			
Methoxychlor [2C]	10.5800	5.0	16.6667		63.5	29 - 128			
<i>Surrogate: Decachlorobiphenyl</i>	<i>13.79</i>		<i>16.6667</i>		<i>82.7</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.90</i>		<i>16.6667</i>		<i>77.4</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>14.30</i>		<i>16.6667</i>		<i>85.8</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>14.01</i>		<i>16.6667</i>		<i>84.1</i>	<i>16 - 105</i>			

Matrix Spike (B6C0716-MS1)

Source: 160118-21

Prepared: 3/25/2016 Analyzed: 3/27/2016

4,4'-DDD	17.8873	2.0	16.6667	ND	107	27 - 123			
4,4'-DDD [2C]	17.3597	2.0	16.6667	ND	104	27 - 123			
4,4'-DDE	22.3088	2.0	16.6667	3.09900	115	28 - 126			
4,4'-DDE [2C]	21.5605	2.0	16.6667	3.15133	110	28 - 126			
4,4'-DDT	10.2240	2.0	16.6667	ND	61.3	12 - 149			
4,4'-DDT [2C]	14.1067	2.0	16.6667	ND	84.6	12 - 149			
Aldrin	14.1093	1.0	16.6667	ND	84.7	29 - 116			
Aldrin [2C]	13.2422	1.0	16.6667	ND	79.5	29 - 116			
alpha-BHC	14.5113	1.0	16.6667	ND	87.1	27 - 104			
alpha-BHC [2C]	13.7377	1.0	16.6667	ND	82.4	27 - 104			
alpha-Chlordane	15.0740	1.0	16.6667	ND	90.4	14 - 130			
alpha-Chlordane [2C]	13.5627	1.0	16.6667	ND	81.4	14 - 130			
beta-BHC	13.9872	1.0	16.6667	ND	83.9	20 - 115			
beta-BHC [2C]	12.7860	1.0	16.6667	ND	76.7	20 - 115			
delta-BHC	14.9332	1.0	16.6667	ND	89.6	8 - 78			M7
delta-BHC [2C]	13.5427	1.0	16.6667	ND	81.3	8 - 78			M7
Dieldrin	15.6338	2.0	16.6667	ND	93.8	20 - 134			
Dieldrin [2C]	14.5097	2.0	16.6667	ND	87.1	20 - 134			
Endosulfan I	12.9278	1.0	16.6667	ND	77.6	27 - 114			
Endosulfan I [2C]	13.3822	1.0	16.6667	ND	80.3	27 - 114			
Endosulfan II	15.7152	2.0	16.6667	ND	94.3	16 - 125			
Endosulfan II [2C]	15.0278	2.0	16.6667	ND	90.2	16 - 125			
Endosulfan sulfate	16.2110	2.0	16.6667	ND	97.3	1 - 126			
Endosulfan Sulfate [2C]	14.0023	2.0	16.6667	ND	84.0	1 - 126			
Endrin	14.8890	2.0	16.6667	ND	89.3	33 - 122			
Endrin [2C]	14.5568	2.0	16.6667	ND	87.3	33 - 122			
Endrin aldehyde	17.7463	2.0	16.6667	ND	106	0 - 137			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0716 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0716-MS1) - Continued

Source: 1601118-21

Prepared: 3/25/2016 Analyzed: 3/27/2016

Endrin aldehyde [2C]	10.2497	2.0	16.6667	ND	61.5	0 - 137			
Endrin ketone	15.7740	2.0	16.6667	ND	94.6	10 - 126			
Endrin ketone [2C]	14.2187	2.0	16.6667	ND	85.3	10 - 126			
gamma-BHC	15.0090	1.0	16.6667	ND	90.1	30 - 111			
gamma-BHC [2C]	13.6918	1.0	16.6667	ND	82.2	30 - 111			
gamma-Chlordane	14.6242	1.0	16.6667	ND	87.7	16 - 130			
gamma-Chlordane [2C]	13.4370	1.0	16.6667	ND	80.6	16 - 130			
Heptachlor	14.3648	1.0	16.6667	ND	86.2	34 - 127			
Heptachlor [2C]	12.5277	1.0	16.6667	ND	75.2	34 - 127			
Heptachlor epoxide	14.6695	1.0	16.6667	ND	88.0	19 - 130			
Heptachlor epoxide [2C]	13.2743	1.0	16.6667	ND	79.6	19 - 130			
Methoxychlor	17.6225	5.0	16.6667	ND	106	16 - 153			
Methoxychlor [2C]	14.9755	5.0	16.6667	ND	89.9	16 - 153			

<i>Surrogate: Decachlorobiphenyl</i>	<i>13.11</i>		<i>16.6667</i>		<i>78.7</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>11.36</i>		<i>16.6667</i>		<i>68.2</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.10</i>		<i>16.6667</i>		<i>78.6</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.86</i>		<i>16.6667</i>		<i>83.1</i>	<i>16 - 105</i>			

Matrix Spike Dup (B6C0716-MSD1)

Source: 1601118-21

Prepared: 3/25/2016 Analyzed: 3/27/2016

4,4'-DDD	17.3688	2.0	16.6667	ND	104	27 - 123	2.94	20	
4,4'-DDD [2C]	15.7688	2.0	16.6667	ND	94.6	27 - 123	9.60	20	
4,4'-DDE	21.6560	2.0	16.6667	3.09900	111	28 - 126	2.97	20	
4,4'-DDE [2C]	20.6608	2.0	16.6667	3.15133	105	28 - 126	4.26	20	
4,4'-DDT	9.28483	2.0	16.6667	ND	55.7	12 - 149	9.63	20	
4,4'-DDT [2C]	11.9995	2.0	16.6667	ND	72.0	12 - 149	16.1	20	
Aldrin	13.5645	1.0	16.6667	ND	81.4	29 - 116	3.94	20	
Aldrin [2C]	12.8298	1.0	16.6667	ND	77.0	29 - 116	3.16	20	
alpha-BHC	14.0868	1.0	16.6667	ND	84.5	27 - 104	2.97	20	
alpha-BHC [2C]	13.3827	1.0	16.6667	ND	80.3	27 - 104	2.62	20	
alpha-Chlordane	14.6015	1.0	16.6667	ND	87.6	14 - 130	3.18	20	
alpha-Chlordane [2C]	13.0012	1.0	16.6667	ND	78.0	14 - 130	4.23	20	
beta-BHC	13.5598	1.0	16.6667	ND	81.4	20 - 115	3.10	20	
beta-BHC [2C]	12.4332	1.0	16.6667	ND	74.6	20 - 115	2.80	20	
delta-BHC	14.5585	1.0	16.6667	ND	87.4	8 - 78	2.54	20	M7
delta-BHC [2C]	13.0980	1.0	16.6667	ND	78.6	8 - 78	3.34	20	M7
Dieldrin	15.0022	2.0	16.6667	ND	90.0	20 - 134	4.12	20	
Dieldrin [2C]	13.9830	2.0	16.6667	ND	83.9	20 - 134	3.70	20	
Endosulfan I	13.2575	1.0	16.6667	ND	79.5	27 - 114	2.52	20	
Endosulfan I [2C]	12.8202	1.0	16.6667	ND	76.9	27 - 114	4.29	20	
Endosulfan II	15.2752	2.0	16.6667	ND	91.7	16 - 125	2.84	20	
Endosulfan II [2C]	13.4472	2.0	16.6667	ND	80.7	16 - 125	11.1	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6C0716 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0716-MSD1) - Continued

Source: 1601118-21

Prepared: 3/25/2016 Analyzed: 3/27/2016

Endosulfan sulfate	14.7238	2.0	16.6667	ND	88.3	1 - 126	9.61	20	
Endosulfan Sulfate [2C]	13.6527	2.0	16.6667	ND	81.9	1 - 126	2.53	20	
Endrin	14.3752	2.0	16.6667	ND	86.3	33 - 122	3.51	20	
Endrin [2C]	13.4320	2.0	16.6667	ND	80.6	33 - 122	8.04	20	
Endrin aldehyde	16.3468	2.0	16.6667	ND	98.1	0 - 137	8.21	20	
Endrin aldehyde [2C]	9.82367	2.0	16.6667	ND	58.9	0 - 137	4.24	20	
Endrin ketone	14.7573	2.0	16.6667	ND	88.5	10 - 126	6.66	20	
Endrin ketone [2C]	13.9480	2.0	16.6667	ND	83.7	10 - 126	1.92	20	
gamma-BHC	14.5445	1.0	16.6667	ND	87.3	30 - 111	3.14	20	
gamma-BHC [2C]	13.2938	1.0	16.6667	ND	79.8	30 - 111	2.95	20	
gamma-Chlordane	14.1403	1.0	16.6667	ND	84.8	16 - 130	3.36	20	
gamma-Chlordane [2C]	13.0177	1.0	16.6667	ND	78.1	16 - 130	3.17	20	
Heptachlor	13.8417	1.0	16.6667	ND	83.0	34 - 127	3.71	20	
Heptachlor [2C]	12.1050	1.0	16.6667	ND	72.6	34 - 127	3.43	20	
Heptachlor epoxide	14.1587	1.0	16.6667	ND	85.0	19 - 130	3.54	20	
Heptachlor epoxide [2C]	12.9067	1.0	16.6667	ND	77.4	19 - 130	2.81	20	
Methoxychlor	16.5185	5.0	16.6667	ND	99.1	16 - 153	6.47	20	
Methoxychlor [2C]	14.3617	5.0	16.6667	ND	86.2	16 - 153	4.18	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>13.85</i>		<i>16.6667</i>		<i>83.1</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.36</i>		<i>16.6667</i>		<i>74.1</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.78</i>		<i>16.6667</i>		<i>76.7</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.53</i>		<i>16.6667</i>		<i>81.2</i>	<i>16 - 105</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	Limit Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	------------------	------------	----------------	-------

Batch B6C0719 - GCSEMI_PCB/PEST_S

Blank (B6C0719-BLK1)

Prepared: 3/26/2016 Analyzed: 3/27/2016

4,4'-DDD	ND	2.0		NR
4,4'-DDD [2C]	ND	2.0		NR
4,4'-DDE	ND	2.0		NR
4,4'-DDE [2C]	ND	2.0		NR
4,4'-DDT	ND	2.0		NR
4,4'-DDT [2C]	ND	2.0		NR
Aldrin	ND	1.0		NR
Aldrin [2C]	ND	1.0		NR
alpha-BHC	ND	1.0		NR
alpha-BHC [2C]	ND	1.0		NR
alpha-Chlordane	ND	1.0		NR
alpha-Chlordane [2C]	ND	1.0		NR
beta-BHC	ND	1.0		NR
beta-BHC [2C]	ND	1.0		NR
Chlordane	ND	8.5		NR
Chlordane [2C]	ND	8.5		NR
delta-BHC	ND	1.0		NR
delta-BHC [2C]	ND	1.0		NR
Dieldrin	ND	2.0		NR
Dieldrin [2C]	ND	2.0		NR
Endosulfan I	ND	1.0		NR
Endosulfan I [2C]	ND	1.0		NR
Endosulfan II	ND	2.0		NR
Endosulfan II [2C]	ND	2.0		NR
Endosulfan sulfate	ND	2.0		NR
Endosulfan Sulfate [2C]	ND	2.0		NR
Endrin	ND	2.0		NR
Endrin [2C]	ND	2.0		NR
Endrin aldehyde	ND	2.0		NR
Endrin aldehyde [2C]	ND	2.0		NR
Endrin ketone	ND	2.0		NR
Endrin ketone [2C]	ND	2.0		NR
gamma-BHC	ND	1.0		NR
gamma-BHC [2C]	ND	1.0		NR
gamma-Chlordane	ND	1.0		NR
gamma-Chlordane [2C]	ND	1.0		NR
Heptachlor	ND	1.0		NR
Heptachlor [2C]	ND	1.0		NR
Heptachlor epoxide	ND	1.0		NR
Heptachlor epoxide [2C]	ND	1.0		NR
Methoxychlor	ND	5.0		NR



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0719 - GCSEMI_PCB/PEST_S (continued)

Blank (B6C0719-BLK1) - Continued

Prepared: 3/26/2016 Analyzed: 3/27/2016

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.32</i>		<i>16.6667</i>		<i>73.9</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>11.94</i>		<i>16.6667</i>		<i>71.6</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>14.81</i>		<i>16.6667</i>		<i>88.8</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.62</i>		<i>16.6667</i>		<i>81.7</i>	<i>16 - 105</i>			

LCS (B6C0719-BS1)

Prepared: 3/26/2016 Analyzed: 3/27/2016

4,4'-DDD	16.5105	2.0	16.6667		99.1	58 - 100			
4,4'-DDD [2C]	15.8465	2.0	16.6667		95.1	58 - 100			
4,4'-DDE	15.0657	2.0	16.6667		90.4	65 - 99			
4,4'-DDE [2C]	14.3295	2.0	16.6667		86.0	65 - 99			
4,4'-DDT	12.2082	2.0	16.6667		73.2	39 - 116			
4,4'-DDT [2C]	11.1780	2.0	16.6667		67.1	39 - 116			
Aldrin	15.1488	1.0	16.6667		90.9	57 - 94			
Aldrin [2C]	14.3993	1.0	16.6667		86.4	57 - 94			
alpha-BHC	15.3057	1.0	16.6667		91.8	58 - 84			L3
alpha-BHC [2C]	14.7438	1.0	16.6667		88.5	58 - 84			L3
alpha-Chlordane	14.8720	1.0	16.6667		89.2	58 - 96			
alpha-Chlordane [2C]	14.3562	1.0	16.6667		86.1	58 - 96			
beta-BHC	14.4035	1.0	16.6667		86.4	58 - 87			
beta-BHC [2C]	13.8132	1.0	16.6667		82.9	58 - 87			
delta-BHC	15.3592	1.0	16.6667		92.2	18 - 75			L3
delta-BHC [2C]	15.1643	1.0	16.6667		91.0	18 - 75			L3
Dieldrin	14.9913	2.0	16.6667		89.9	62 - 94			
Dieldrin [2C]	14.6437	2.0	16.6667		87.9	62 - 94			
Endosulfan I	14.4800	1.0	16.6667		86.9	58 - 90			
Endosulfan I [2C]	13.8997	1.0	16.6667		83.4	58 - 90			
Endosulfan II	14.2078	2.0	16.6667		85.2	63 - 95			
Endosulfan II [2C]	13.7395	2.0	16.6667		82.4	63 - 95			
Endosulfan sulfate	13.5695	2.0	16.6667		81.4	59 - 89			
Endosulfan Sulfate [2C]	13.6573	2.0	16.6667		81.9	59 - 89			
Endrin	13.8953	2.0	16.6667		83.4	64 - 96			
Endrin [2C]	13.6677	2.0	16.6667		82.0	64 - 96			
Endrin aldehyde	15.1043	2.0	16.6667		90.6	65 - 95			
Endrin aldehyde [2C]	15.0865	2.0	16.6667		90.5	65 - 95			
Endrin ketone	14.7400	2.0	16.6667		88.4	59 - 101			
Endrin ketone [2C]	14.4913	2.0	16.6667		86.9	59 - 101			
gamma-BHC	15.5003	1.0	16.6667		93.0	63 - 89			L3
gamma-BHC [2C]	15.2177	1.0	16.6667		91.3	63 - 89			L3



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0719 - GCSEMI_PCB/PEST_S (continued)

LCS (B6C0719-BS1) - Continued

Prepared: 3/26/2016 Analyzed: 3/27/2016

gamma-Chlordane	14.6562	1.0	16.6667		87.9	61 - 95			
gamma-Chlordane [2C]	14.1088	1.0	16.6667		84.7	61 - 95			
Heptachlor	14.9642	1.0	16.6667		89.8	65 - 102			
Heptachlor [2C]	14.3845	1.0	16.6667		86.3	65 - 102			
Heptachlor epoxide	14.8293	1.0	16.6667		89.0	61 - 95			
Heptachlor epoxide [2C]	14.1940	1.0	16.6667		85.2	61 - 95			
Methoxychlor	10.7615	5.0	16.6667		64.6	29 - 128			
Methoxychlor [2C]	10.7728	5.0	16.6667		64.6	29 - 128			
<hr/>									
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.69</i>		<i>16.6667</i>		<i>70.2</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>11.26</i>		<i>16.6667</i>		<i>67.6</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.89</i>		<i>16.6667</i>		<i>83.3</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.11</i>		<i>16.6667</i>		<i>78.7</i>	<i>16 - 105</i>			

Matrix Spike (B6C0719-MS1)

Source: 1601118-45

Prepared: 3/26/2016 Analyzed: 3/27/2016

4,4'-DDD	11.9573	2.0	16.6667	ND	71.7	27 - 123			
4,4'-DDD [2C]	12.2275	2.0	16.6667	ND	73.4	27 - 123			
4,4'-DDE	14.8702	2.0	16.6667	4.69067	61.1	28 - 126			
4,4'-DDE [2C]	12.9088	2.0	16.6667	4.01950	53.3	28 - 126			
4,4'-DDT	10.8430	2.0	16.6667	ND	65.1	12 - 149			
4,4'-DDT [2C]	7.02167	2.0	16.6667	ND	42.1	12 - 149			
Aldrin	10.8950	1.0	16.6667	ND	65.4	29 - 116			
Aldrin [2C]	10.5860	1.0	16.6667	ND	63.5	29 - 116			
alpha-BHC	10.8123	1.0	16.6667	ND	64.9	27 - 104			
alpha-BHC [2C]	10.6825	1.0	16.6667	ND	64.1	27 - 104			
alpha-Chlordane	10.8360	1.0	16.6667	ND	65.0	14 - 130			
alpha-Chlordane [2C]	10.9437	1.0	16.6667	ND	65.7	14 - 130			
beta-BHC	10.6612	1.0	16.6667	ND	64.0	20 - 115			
beta-BHC [2C]	10.2883	1.0	16.6667	ND	61.7	20 - 115			
delta-BHC	11.2020	1.0	16.6667	ND	67.2	8 - 78			
delta-BHC [2C]	11.3502	1.0	16.6667	ND	68.1	8 - 78			
Dieldrin	10.9573	2.0	16.6667	ND	65.7	20 - 134			
Dieldrin [2C]	11.5862	2.0	16.6667	ND	69.5	20 - 134			
Endosulfan I	10.5768	1.0	16.6667	ND	63.5	27 - 114			
Endosulfan I [2C]	10.8347	1.0	16.6667	ND	65.0	27 - 114			
Endosulfan II	11.0748	2.0	16.6667	ND	66.4	16 - 125			
Endosulfan II [2C]	11.0785	2.0	16.6667	ND	66.5	16 - 125			
Endosulfan sulfate	10.0485	2.0	16.6667	ND	60.3	1 - 126			
Endosulfan Sulfate [2C]	10.0952	2.0	16.6667	ND	60.6	1 - 126			
Endrin	11.2885	2.0	16.6667	ND	67.7	33 - 122			
Endrin [2C]	11.7463	2.0	16.6667	ND	70.5	33 - 122			
Endrin aldehyde	8.94717	2.0	16.6667	ND	53.7	0 - 137			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0719 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0719-MS1) - Continued

Source: 1601118-45

Prepared: 3/26/2016 Analyzed: 3/27/2016

Endrin aldehyde [2C]	11.0778	2.0	16.6667	ND	66.5	0 - 137			
Endrin ketone	10.7497	2.0	16.6667	ND	64.5	10 - 126			
Endrin ketone [2C]	10.5367	2.0	16.6667	ND	63.2	10 - 126			
gamma-BHC	11.1850	1.0	16.6667	ND	67.1	30 - 111			
gamma-BHC [2C]	11.1647	1.0	16.6667	ND	67.0	30 - 111			
gamma-Chlordane	10.7432	1.0	16.6667	ND	64.5	16 - 130			
gamma-Chlordane [2C]	10.6572	1.0	16.6667	ND	63.9	16 - 130			
Heptachlor	10.9603	1.0	16.6667	ND	65.8	34 - 127			
Heptachlor [2C]	11.0785	1.0	16.6667	ND	66.5	34 - 127			
Heptachlor epoxide	10.7828	1.0	16.6667	ND	64.7	19 - 130			
Heptachlor epoxide [2C]	10.6887	1.0	16.6667	ND	64.1	19 - 130			
Methoxychlor	9.75400	5.0	16.6667	ND	58.5	16 - 153			
Methoxychlor [2C]	9.65850	5.0	16.6667	ND	58.0	16 - 153			

<i>Surrogate: Decachlorobiphenyl</i>	8.590		16.6667		51.5	16 - 137			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	7.874		16.6667		47.2	16 - 137			
<i>Surrogate: Tetrachloro-m-xylene</i>	9.594		16.6667		57.6	16 - 105			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	9.430		16.6667		56.6	16 - 105			

Matrix Spike Dup (B6C0719-MSD1)

Source: 1601118-45

Prepared: 3/26/2016 Analyzed: 3/27/2016

4,4'-DDD	12.1527	2.0	16.6667	ND	72.9	27 - 123	1.62	20	
4,4'-DDD [2C]	12.5812	2.0	16.6667	ND	75.5	27 - 123	2.85	20	
4,4'-DDE	14.9460	2.0	16.6667	4.69067	61.5	28 - 126	0.509	20	
4,4'-DDE [2C]	12.8720	2.0	16.6667	4.01950	53.1	28 - 126	0.286	20	
4,4'-DDT	10.9547	2.0	16.6667	ND	65.7	12 - 149	1.02	20	
4,4'-DDT [2C]	7.17683	2.0	16.6667	ND	43.1	12 - 149	2.19	20	
Aldrin	11.0057	1.0	16.6667	ND	66.0	29 - 116	1.01	20	
Aldrin [2C]	10.9497	1.0	16.6667	ND	65.7	29 - 116	3.38	20	
alpha-BHC	10.9425	1.0	16.6667	ND	65.7	27 - 104	1.20	20	
alpha-BHC [2C]	11.0552	1.0	16.6667	ND	66.3	27 - 104	3.43	20	
alpha-Chlordane	10.9110	1.0	16.6667	ND	65.5	14 - 130	0.690	20	
alpha-Chlordane [2C]	11.1057	1.0	16.6667	ND	66.6	14 - 130	1.47	20	
beta-BHC	10.7770	1.0	16.6667	ND	64.7	20 - 115	1.08	20	
beta-BHC [2C]	10.6658	1.0	16.6667	ND	64.0	20 - 115	3.60	20	
delta-BHC	11.3602	1.0	16.6667	ND	68.2	8 - 78	1.40	20	
delta-BHC [2C]	11.7520	1.0	16.6667	ND	70.5	8 - 78	3.48	20	
Dieldrin	11.0240	2.0	16.6667	ND	66.1	20 - 134	0.607	20	
Dieldrin [2C]	11.5745	2.0	16.6667	ND	69.4	20 - 134	0.101	20	
Endosulfan I	10.6488	1.0	16.6667	ND	63.9	27 - 114	0.678	20	
Endosulfan I [2C]	10.8028	1.0	16.6667	ND	64.8	27 - 114	0.294	20	
Endosulfan II	11.2483	2.0	16.6667	ND	67.5	16 - 125	1.55	20	
Endosulfan II [2C]	11.3608	2.0	16.6667	ND	68.2	16 - 125	2.52	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6C0719 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0719-MSD1) - Continued

Source: 1601118-45

Prepared: 3/26/2016 Analyzed: 3/27/2016

Endosulfan sulfate	9.92817	2.0	16.6667	ND	59.6	1 - 126	1.20	20	
Endosulfan Sulfate [2C]	10.9050	2.0	16.6667	ND	65.4	1 - 126	7.71	20	
Endrin	11.3817	2.0	16.6667	ND	68.3	33 - 122	0.822	20	
Endrin [2C]	11.9705	2.0	16.6667	ND	71.8	33 - 122	1.89	20	
Endrin aldehyde	9.08600	2.0	16.6667	ND	54.5	0 - 137	1.54	20	
Endrin aldehyde [2C]	11.7393	2.0	16.6667	ND	70.4	0 - 137	5.80	20	
Endrin ketone	11.0670	2.0	16.6667	ND	66.4	10 - 126	2.91	20	
Endrin ketone [2C]	11.1025	2.0	16.6667	ND	66.6	10 - 126	5.23	20	
gamma-BHC	11.3165	1.0	16.6667	ND	67.9	30 - 111	1.17	20	
gamma-BHC [2C]	11.5375	1.0	16.6667	ND	69.2	30 - 111	3.28	20	
gamma-Chlordane	10.8102	1.0	16.6667	ND	64.9	16 - 130	0.622	20	
gamma-Chlordane [2C]	10.8035	1.0	16.6667	ND	64.8	16 - 130	1.36	20	
Heptachlor	11.0905	1.0	16.6667	ND	66.5	34 - 127	1.18	20	
Heptachlor [2C]	11.4862	1.0	16.6667	ND	68.9	34 - 127	3.61	20	
Heptachlor epoxide	10.8783	1.0	16.6667	ND	65.3	19 - 130	0.882	20	
Heptachlor epoxide [2C]	10.9415	1.0	16.6667	ND	65.6	19 - 130	2.34	20	
Methoxychlor	9.92333	5.0	16.6667	ND	59.5	16 - 153	1.72	20	
Methoxychlor [2C]	11.0358	5.0	16.6667	ND	66.2	16 - 153	13.3	20	
<i>Surrogate: Decachlorobiphenyl</i>	8.573		16.6667		51.4	16 - 137			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	8.465		16.6667		50.8	16 - 137			
<i>Surrogate: Tetrachloro-m-xylene</i>	9.784		16.6667		58.7	16 - 105			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	9.709		16.6667		58.3	16 - 105			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	------------------	------------	--------------	-------

Batch B6C0722 - GCSEMI_PCB/PEST_S

Blank (B6C0722-BLK1)

Prepared: 3/26/2016 Analyzed: 3/28/2016

4,4'-DDD	ND	2.0			NR				
4,4'-DDD [2C]	ND	2.0			NR				
4,4'-DDE	ND	2.0			NR				
4,4'-DDE [2C]	ND	2.0			NR				
4,4'-DDT	ND	2.0			NR				
4,4'-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0722 - GCSEMI_PCB/PEST_S (continued)

Blank (B6C0722-BLK1) - Continued

Prepared: 3/26/2016 Analyzed: 3/28/2016

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.42</i>		<i>16.6667</i>		<i>74.5</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.40</i>		<i>16.6667</i>		<i>74.4</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.42</i>		<i>16.6667</i>		<i>80.5</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.01</i>		<i>16.6667</i>		<i>78.1</i>	<i>16 - 105</i>			

LCS (B6C0722-BS1)

Prepared: 3/26/2016 Analyzed: 3/28/2016

4,4'-DDD	15.2728	2.0	16.6667		91.6	58 - 100			
4,4'-DDD [2C]	15.0543	2.0	16.6667		90.3	58 - 100			
4,4'-DDE	15.2797	2.0	16.6667		91.7	65 - 99			
4,4'-DDE [2C]	14.8082	2.0	16.6667		88.8	65 - 99			
4,4'-DDT	15.2727	2.0	16.6667		91.6	39 - 116			
4,4'-DDT [2C]	14.9755	2.0	16.6667		89.9	39 - 116			
Aldrin	15.2728	1.0	16.6667		91.6	57 - 94			
Aldrin [2C]	14.6907	1.0	16.6667		88.1	57 - 94			
alpha-BHC	15.3900	1.0	16.6667		92.3	58 - 84			L3
alpha-BHC [2C]	14.8663	1.0	16.6667		89.2	58 - 84			L3
alpha-Chlordane	15.1070	1.0	16.6667		90.6	58 - 96			
alpha-Chlordane [2C]	14.8055	1.0	16.6667		88.8	58 - 96			
beta-BHC	14.4790	1.0	16.6667		86.9	58 - 87			
beta-BHC [2C]	14.0307	1.0	16.6667		84.2	58 - 87			
delta-BHC	15.4030	1.0	16.6667		92.4	18 - 75			L3
delta-BHC [2C]	15.3040	1.0	16.6667		91.8	18 - 75			L3
Dieldrin	15.1583	2.0	16.6667		90.9	62 - 94			
Dieldrin [2C]	15.1328	2.0	16.6667		90.8	62 - 94			
Endosulfan I	14.6580	1.0	16.6667		87.9	58 - 90			
Endosulfan I [2C]	14.3192	1.0	16.6667		85.9	58 - 90			
Endosulfan II	14.0483	2.0	16.6667		84.3	63 - 95			
Endosulfan II [2C]	14.2158	2.0	16.6667		85.3	63 - 95			
Endosulfan sulfate	14.1077	2.0	16.6667		84.6	59 - 89			
Endosulfan Sulfate [2C]	14.2358	2.0	16.6667		85.4	59 - 89			
Endrin	15.3153	2.0	16.6667		91.9	64 - 96			
Endrin [2C]	15.3168	2.0	16.6667		91.9	64 - 96			
Endrin aldehyde	15.0398	2.0	16.6667		90.2	65 - 95			
Endrin aldehyde [2C]	15.5175	2.0	16.6667		93.1	65 - 95			
Endrin ketone	14.9155	2.0	16.6667		89.5	59 - 101			
Endrin ketone [2C]	15.1908	2.0	16.6667		91.1	59 - 101			
gamma-BHC	15.6662	1.0	16.6667		94.0	63 - 89			L3
gamma-BHC [2C]	15.5203	1.0	16.6667		93.1	63 - 89			L3



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0722 - GCSEMI_PCB/PEST_S (continued)

LCS (B6C0722-BS1) - Continued

Prepared: 3/26/2016 Analyzed: 3/28/2016

gamma-Chlordane	14.7397	1.0	16.6667		88.4	61 - 95			
gamma-Chlordane [2C]	14.5028	1.0	16.6667		87.0	61 - 95			
Heptachlor	15.6360	1.0	16.6667		93.8	65 - 102			
Heptachlor [2C]	15.6450	1.0	16.6667		93.9	65 - 102			
Heptachlor epoxide	14.9157	1.0	16.6667		89.5	61 - 95			
Heptachlor epoxide [2C]	14.5473	1.0	16.6667		87.3	61 - 95			
Methoxychlor	13.2595	5.0	16.6667		79.6	29 - 128			
Methoxychlor [2C]	13.8202	5.0	16.6667		82.9	29 - 128			
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.87</i>		<i>16.6667</i>		<i>77.2</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.76</i>		<i>16.6667</i>		<i>76.5</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.75</i>		<i>16.6667</i>		<i>82.5</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.54</i>		<i>16.6667</i>		<i>81.3</i>	<i>16 - 105</i>			

Matrix Spike (B6C0722-MS1)

Source: 1601118-77

Prepared: 3/26/2016 Analyzed: 3/28/2016

4,4'-DDD	16.9707	2.0	16.6667	ND	102	27 - 123			
4,4'-DDD [2C]	17.5703	2.0	16.6667	ND	105	27 - 123			
4,4'-DDE	20.4902	2.0	16.6667	2.33183	109	28 - 126			
4,4'-DDE [2C]	16.2378	2.0	16.6667	1.90850	86.0	28 - 126			
4,4'-DDT	20.9728	2.0	16.6667	ND	126	12 - 149			
4,4'-DDT [2C]	11.0897	2.0	16.6667	ND	66.5	12 - 149			
Aldrin	16.0273	1.0	16.6667	ND	96.2	29 - 116			
Aldrin [2C]	15.5203	1.0	16.6667	ND	93.1	29 - 116			
alpha-BHC	15.7867	1.0	16.6667	ND	94.7	27 - 104			
alpha-BHC [2C]	15.5413	1.0	16.6667	ND	93.2	27 - 104			
alpha-Chlordane	16.8522	1.0	16.6667	ND	101	14 - 130			
alpha-Chlordane [2C]	16.6125	1.0	16.6667	ND	99.7	14 - 130			
beta-BHC	15.5073	1.0	16.6667	ND	93.0	20 - 115			
beta-BHC [2C]	15.0915	1.0	16.6667	ND	90.5	20 - 115			
delta-BHC	16.6350	1.0	16.6667	ND	99.8	8 - 78			M7
delta-BHC [2C]	16.8000	1.0	16.6667	ND	101	8 - 78			M7
Dieldrin	20.6385	2.0	16.6667	3.78850	101	20 - 134			
Dieldrin [2C]	21.0730	2.0	16.6667	3.94183	103	20 - 134			
Endosulfan I	15.6922	1.0	16.6667	ND	94.2	27 - 114			
Endosulfan I [2C]	16.0133	1.0	16.6667	ND	96.1	27 - 114			
Endosulfan II	16.7138	2.0	16.6667	ND	100	16 - 125			
Endosulfan II [2C]	16.5368	2.0	16.6667	ND	99.2	16 - 125			
Endosulfan sulfate	15.3287	2.0	16.6667	ND	92.0	1 - 126			
Endosulfan Sulfate [2C]	16.4042	2.0	16.6667	ND	98.4	1 - 126			
Endrin	17.4618	2.0	16.6667	ND	105	33 - 122			
Endrin [2C]	21.4157	2.0	16.6667	ND	128	33 - 122			M7
Endrin aldehyde	12.4015	2.0	16.6667	ND	74.4	0 - 137			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0722 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0722-MS1) - Continued

Source: 1601118-77

Prepared: 3/26/2016 Analyzed: 3/28/2016

Endrin aldehyde [2C]	16.4867	2.0	16.6667	ND	98.9	0 - 137			
Endrin ketone	16.5697	2.0	16.6667	ND	99.4	10 - 126			
Endrin ketone [2C]	15.6217	2.0	16.6667	ND	93.7	10 - 126			
gamma-BHC	16.5075	1.0	16.6667	ND	99.0	30 - 111			
gamma-BHC [2C]	16.4527	1.0	16.6667	ND	98.7	30 - 111			
gamma-Chlordane	16.0847	1.0	16.6667	ND	96.5	16 - 130			
gamma-Chlordane [2C]	16.0832	1.0	16.6667	ND	96.5	16 - 130			
Heptachlor	16.7708	1.0	16.6667	ND	101	34 - 127			
Heptachlor [2C]	17.4110	1.0	16.6667	ND	104	34 - 127			
Heptachlor epoxide	15.7767	1.0	16.6667	ND	94.7	19 - 130			
Heptachlor epoxide [2C]	15.8163	1.0	16.6667	ND	94.9	19 - 130			
Methoxychlor	17.1343	5.0	16.6667	ND	103	16 - 153			
Methoxychlor [2C]	17.7283	5.0	16.6667	ND	106	16 - 153			

<i>Surrogate: Decachlorobiphenyl</i>	<i>12.12</i>		<i>16.6667</i>		<i>72.7</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>13.24</i>		<i>16.6667</i>		<i>79.5</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>14.25</i>		<i>16.6667</i>		<i>85.5</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.65</i>		<i>16.6667</i>		<i>81.9</i>	<i>16 - 105</i>			

Matrix Spike Dup (B6C0722-MSD1)

Source: 1601118-77

Prepared: 3/26/2016 Analyzed: 3/28/2016

4,4'-DDD	16.5655	2.0	16.6667	ND	99.4	27 - 123	2.42	20	
4,4'-DDD [2C]	17.1305	2.0	16.6667	ND	103	27 - 123	2.53	20	
4,4'-DDE	19.9013	2.0	16.6667	2.33183	105	28 - 126	2.92	20	
4,4'-DDE [2C]	15.8315	2.0	16.6667	1.90850	83.5	28 - 126	2.53	20	
4,4'-DDT	20.5517	2.0	16.6667	ND	123	12 - 149	2.03	20	
4,4'-DDT [2C]	10.7572	2.0	16.6667	ND	64.5	12 - 149	3.04	20	
Aldrin	15.6033	1.0	16.6667	ND	93.6	29 - 116	2.68	20	
Aldrin [2C]	14.8782	1.0	16.6667	ND	89.3	29 - 116	4.22	20	
alpha-BHC	15.5045	1.0	16.6667	ND	93.0	27 - 104	1.80	20	
alpha-BHC [2C]	15.0110	1.0	16.6667	ND	90.1	27 - 104	3.47	20	
alpha-Chlordane	16.3452	1.0	16.6667	ND	98.1	14 - 130	3.05	20	
alpha-Chlordane [2C]	16.0295	1.0	16.6667	ND	96.2	14 - 130	3.57	20	
beta-BHC	15.2483	1.0	16.6667	ND	91.5	20 - 115	1.68	20	
beta-BHC [2C]	14.6477	1.0	16.6667	ND	87.9	20 - 115	2.98	20	
delta-BHC	16.3255	1.0	16.6667	ND	98.0	8 - 78	1.88	20	M7
delta-BHC [2C]	16.3120	1.0	16.6667	ND	97.9	8 - 78	2.95	20	M7
Dieldrin	20.1182	2.0	16.6667	3.78850	98.0	20 - 134	2.55	20	
Dieldrin [2C]	20.6685	2.0	16.6667	3.94183	100	20 - 134	1.94	20	
Endosulfan I	15.2920	1.0	16.6667	ND	91.8	27 - 114	2.58	20	
Endosulfan I [2C]	15.4670	1.0	16.6667	ND	92.8	27 - 114	3.47	20	
Endosulfan II	16.3277	2.0	16.6667	ND	98.0	16 - 125	2.34	20	
Endosulfan II [2C]	15.9997	2.0	16.6667	ND	96.0	16 - 125	3.30	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6C0722 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0722-MSD1) - Continued

Source: 1601118-77

Prepared: 3/26/2016 Analyzed: 3/28/2016

Endosulfan sulfate	15.0490	2.0	16.6667	ND	90.3	1 - 126	1.84	20	
Endosulfan Sulfate [2C]	15.7415	2.0	16.6667	ND	94.4	1 - 126	4.12	20	
Endrin	17.0417	2.0	16.6667	ND	102	33 - 122	2.44	20	
Endrin [2C]	20.7863	2.0	16.6667	ND	125	33 - 122	2.98	20	M7
Endrin aldehyde	12.0538	2.0	16.6667	ND	72.3	0 - 137	2.84	20	
Endrin aldehyde [2C]	16.0050	2.0	16.6667	ND	96.0	0 - 137	2.96	20	
Endrin ketone	16.2725	2.0	16.6667	ND	97.6	10 - 126	1.81	20	
Endrin ketone [2C]	14.9788	2.0	16.6667	ND	89.9	10 - 126	4.20	20	
gamma-BHC	16.1255	1.0	16.6667	ND	96.8	30 - 111	2.34	20	
gamma-BHC [2C]	15.8657	1.0	16.6667	ND	95.2	30 - 111	3.63	20	
gamma-Chlordane	15.6088	1.0	16.6667	ND	93.7	16 - 130	3.00	20	
gamma-Chlordane [2C]	15.5545	1.0	16.6667	ND	93.3	16 - 130	3.34	20	
Heptachlor	16.4552	1.0	16.6667	ND	98.7	34 - 127	1.90	20	
Heptachlor [2C]	16.9837	1.0	16.6667	ND	102	34 - 127	2.48	20	
Heptachlor epoxide	15.3385	1.0	16.6667	ND	92.0	19 - 130	2.82	20	
Heptachlor epoxide [2C]	15.2648	1.0	16.6667	ND	91.6	19 - 130	3.55	20	
Methoxychlor	16.9355	5.0	16.6667	ND	102	16 - 153	1.17	20	
Methoxychlor [2C]	16.3802	5.0	16.6667	ND	98.3	16 - 153	7.91	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.86</i>		<i>16.6667</i>		<i>71.2</i>	<i>16 - 137</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.96</i>		<i>16.6667</i>		<i>77.8</i>	<i>16 - 137</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.24</i>		<i>16.6667</i>		<i>79.4</i>	<i>16 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.14</i>		<i>16.6667</i>		<i>78.8</i>	<i>16 - 105</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	Limit Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	------------------	------------	----------------	-------

Batch B6C0757 - GCSEMI_PCB/PEST_S

Blank (B6C0757-BLK1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

4,4'-DDD	ND	2.0		NR
4,4'-DDD [2C]	ND	2.0		NR
4,4'-DDE	ND	2.0		NR
4,4'-DDE [2C]	ND	2.0		NR
4,4'-DDT	ND	2.0		NR
4,4'-DDT [2C]	ND	2.0		NR
Aldrin	ND	1.0		NR
Aldrin [2C]	ND	1.0		NR
alpha-BHC	ND	1.0		NR
alpha-BHC [2C]	ND	1.0		NR
alpha-Chlordane	ND	1.0		NR
alpha-Chlordane [2C]	ND	1.0		NR
beta-BHC	ND	1.0		NR
beta-BHC [2C]	ND	1.0		NR
Chlordane	ND	8.5		NR
Chlordane [2C]	ND	8.5		NR
delta-BHC	ND	1.0		NR
delta-BHC [2C]	ND	1.0		NR
Dieldrin	ND	2.0		NR
Dieldrin [2C]	ND	2.0		NR
Endosulfan I	ND	1.0		NR
Endosulfan I [2C]	ND	1.0		NR
Endosulfan II	ND	2.0		NR
Endosulfan II [2C]	ND	2.0		NR
Endosulfan sulfate	ND	2.0		NR
Endosulfan Sulfate [2C]	ND	2.0		NR
Endrin	ND	2.0		NR
Endrin [2C]	ND	2.0		NR
Endrin aldehyde	ND	2.0		NR
Endrin aldehyde [2C]	ND	2.0		NR
Endrin ketone	ND	2.0		NR
Endrin ketone [2C]	ND	2.0		NR
gamma-BHC	ND	1.0		NR
gamma-BHC [2C]	ND	1.0		NR
gamma-Chlordane	ND	1.0		NR
gamma-Chlordane [2C]	ND	1.0		NR
Heptachlor	ND	1.0		NR
Heptachlor [2C]	ND	1.0		NR
Heptachlor epoxide	ND	1.0		NR
Heptachlor epoxide [2C]	ND	1.0		NR
Methoxychlor	ND	5.0		NR



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0757 - GCSEMI_PCB/PEST_S (continued)

Blank (B6C0757-BLK1) - Continued

Prepared: 3/28/2016 Analyzed: 3/29/2016

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.88</i>		<i>16.6667</i>		<i>71.3</i>	<i>24 - 135</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.39</i>		<i>16.6667</i>		<i>74.3</i>	<i>24 - 135</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.63</i>		<i>16.6667</i>		<i>81.8</i>	<i>29 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.72</i>		<i>16.6667</i>		<i>82.3</i>	<i>29 - 105</i>			

LCS (B6C0757-BS1)

Prepared: 3/28/2016 Analyzed: 3/29/2016

4,4'-DDD	15.2427	2.0	16.6667		91.5	56 - 113			
4,4'-DDD [2C]	15.0348	2.0	16.6667		90.2	56 - 113			
4,4'-DDE	15.3127	2.0	16.6667		91.9	62 - 105			
4,4'-DDE [2C]	14.6207	2.0	16.6667		87.7	62 - 105			
4,4'-DDT	15.5162	2.0	16.6667		93.1	25 - 109			
4,4'-DDT [2C]	14.8740	2.0	16.6667		89.2	25 - 109			
Aldrin	14.8048	1.0	16.6667		88.8	61 - 100			
Aldrin [2C]	14.1892	1.0	16.6667		85.1	61 - 100			
alpha-BHC	15.0532	1.0	16.6667		90.3	59 - 98			
alpha-BHC [2C]	16.4128	1.0	16.6667		98.5	59 - 98			L3
alpha-Chlordane	14.8545	1.0	16.6667		89.1	60 - 101			
alpha-Chlordane [2C]	14.4445	1.0	16.6667		86.7	60 - 101			
beta-BHC	14.2308	1.0	16.6667		85.4	57 - 93			
beta-BHC [2C]	14.1768	1.0	16.6667		85.1	57 - 93			
delta-BHC	13.7248	1.0	16.6667		82.3	34 - 114			
delta-BHC [2C]	13.5692	1.0	16.6667		81.4	34 - 114			
Dieldrin	14.7878	2.0	16.6667		88.7	61 - 103			
Dieldrin [2C]	14.7233	2.0	16.6667		88.3	61 - 103			
Endosulfan I	14.2280	1.0	16.6667		85.4	58 - 97			
Endosulfan I [2C]	13.8582	1.0	16.6667		83.1	58 - 97			
Endosulfan II	14.1378	2.0	16.6667		84.8	60 - 103			
Endosulfan II [2C]	14.0735	2.0	16.6667		84.4	60 - 103			
Endosulfan sulfate	13.1058	2.0	16.6667		78.6	50 - 121			
Endosulfan Sulfate [2C]	13.4087	2.0	16.6667		80.5	50 - 121			
Endrin	15.4140	2.0	16.6667		92.5	61 - 105			
Endrin [2C]	15.4170	2.0	16.6667		92.5	61 - 105			
Endrin aldehyde	14.4910	2.0	16.6667		86.9	62 - 116			
Endrin aldehyde [2C]	15.2132	2.0	16.6667		91.3	62 - 116			
Endrin ketone	13.8288	2.0	16.6667		83.0	56 - 111			
Endrin ketone [2C]	14.0257	2.0	16.6667		84.2	56 - 111			
gamma-BHC	15.0088	1.0	16.6667		90.1	61 - 99			
gamma-BHC [2C]	15.2257	1.0	16.6667		91.4	61 - 99			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320

Report To : Ralph Carson

Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B6C0757 - GCSEMI_PCB/PEST_S (continued)

LCS (B6C0757-BS1) - Continued

Prepared: 3/28/2016 Analyzed: 3/29/2016

gamma-Chlordane	14.5107	1.0	16.6667		87.1	61 - 102			
gamma-Chlordane [2C]	14.1317	1.0	16.6667		84.8	61 - 102			
Heptachlor	15.2827	1.0	16.6667		91.7	58 - 100			
Heptachlor [2C]	15.7557	1.0	16.6667		94.5	58 - 100			
Heptachlor epoxide	14.6375	1.0	16.6667		87.8	62 - 101			
Heptachlor epoxide [2C]	14.0612	1.0	16.6667		84.4	62 - 101			
Methoxychlor	13.1145	5.0	16.6667		78.7	24 - 114			
Methoxychlor [2C]	13.9123	5.0	16.6667		83.5	24 - 114			
<hr/>									
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.58</i>		<i>16.6667</i>		<i>75.5</i>	<i>24 - 135</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.33</i>		<i>16.6667</i>		<i>74.0</i>	<i>24 - 135</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.11</i>		<i>16.6667</i>		<i>78.7</i>	<i>29 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>13.06</i>		<i>16.6667</i>		<i>78.4</i>	<i>29 - 105</i>			

Matrix Spike (B6C0757-MS1)

Source: 1601118-84

Prepared: 3/28/2016 Analyzed: 3/29/2016

4,4'-DDD	14.7743	2.0	16.6667	ND	88.6	35 - 137			
4,4'-DDD [2C]	15.1245	2.0	16.6667	ND	90.7	35 - 137			
4,4'-DDE	18.5813	2.0	16.6667	7.60367	65.9	34 - 139			
4,4'-DDE [2C]	16.6153	2.0	16.6667	6.58950	60.2	34 - 139			
4,4'-DDT	17.6748	2.0	16.6667	ND	106	20 - 136			
4,4'-DDT [2C]	8.47117	2.0	16.6667	ND	50.8	20 - 136			
Aldrin	13.6107	1.0	16.6667	ND	81.7	40 - 119			
Aldrin [2C]	13.2478	1.0	16.6667	ND	79.5	40 - 119			
alpha-BHC	13.2018	1.0	16.6667	ND	79.2	40 - 114			
alpha-BHC [2C]	12.4870	1.0	16.6667	ND	74.9	40 - 114			
alpha-Chlordane	13.4037	1.0	16.6667	ND	80.4	28 - 140			
alpha-Chlordane [2C]	14.1202	1.0	16.6667	ND	84.7	28 - 140			
beta-BHC	13.3670	1.0	16.6667	ND	80.2	39 - 112			
beta-BHC [2C]	12.4535	1.0	16.6667	ND	74.7	39 - 112			
delta-BHC	9.59000	1.0	16.6667	ND	57.5	7 - 133			
delta-BHC [2C]	9.47517	1.0	16.6667	ND	56.9	7 - 133			
Dieldrin	13.7540	2.0	16.6667	ND	82.5	39 - 132			
Dieldrin [2C]	15.1140	2.0	16.6667	ND	90.7	39 - 132			
Endosulfan I	13.3967	1.0	16.6667	ND	80.4	40 - 116			
Endosulfan I [2C]	13.1050	1.0	16.6667	ND	78.6	40 - 116			
Endosulfan II	14.5648	2.0	16.6667	ND	87.4	34 - 133			
Endosulfan II [2C]	14.2318	2.0	16.6667	ND	85.4	34 - 133			
Endosulfan sulfate	12.1083	2.0	16.6667	ND	72.6	11 - 151			
Endosulfan Sulfate [2C]	12.5412	2.0	16.6667	ND	75.2	11 - 151			
Endrin	15.3075	2.0	16.6667	ND	91.8	44 - 130			
Endrin [2C]	15.9493	2.0	16.6667	ND	95.7	44 - 130			
Endrin aldehyde	9.96783	2.0	16.6667	ND	59.8	9 - 147			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B6C0757 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B6C0757-MS1) - Continued

Source: 1601118-84

Prepared: 3/28/2016 Analyzed: 3/29/2016

Endrin aldehyde [2C]	13.6130	2.0	16.6667	ND	81.7	9 - 147			
Endrin ketone	13.9660	2.0	16.6667	ND	83.8	22 - 144			
Endrin ketone [2C]	12.2897	2.0	16.6667	ND	73.7	22 - 144			
gamma-BHC	13.8058	1.0	16.6667	ND	82.8	42 - 118			
gamma-BHC [2C]	13.6030	1.0	16.6667	ND	81.6	47 - 118			
gamma-Chlordane	13.4310	1.0	16.6667	ND	80.6	34 - 133			
gamma-Chlordane [2C]	13.6908	1.0	16.6667	ND	82.1	34 - 133			
Heptachlor	14.3867	1.0	16.6667	ND	86.3	43 - 119			
Heptachlor [2C]	14.8793	1.0	16.6667	ND	89.3	43 - 119			
Heptachlor epoxide	13.5318	1.0	16.6667	ND	81.2	45 - 121			
Heptachlor epoxide [2C]	13.5073	1.0	16.6667	ND	81.0	45 - 121			
Methoxychlor	12.6510	5.0	16.6667	ND	75.9	21 - 140			
Methoxychlor [2C]	13.6798	5.0	16.6667	ND	82.1	21 - 140			

<i>Surrogate: Decachlorobiphenyl</i>	<i>11.54</i>		<i>16.6667</i>		<i>69.3</i>	<i>24 - 135</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.32</i>		<i>16.6667</i>		<i>73.9</i>	<i>24 - 135</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.10</i>		<i>16.6667</i>		<i>72.6</i>	<i>29 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>12.62</i>		<i>16.6667</i>		<i>75.7</i>	<i>29 - 105</i>			

Matrix Spike Dup (B6C0757-MSD1)

Source: 1601118-84

Prepared: 3/28/2016 Analyzed: 3/29/2016

4,4'-DDD	14.9325	2.0	16.6667	ND	89.6	35 - 137	1.06	20	
4,4'-DDD [2C]	15.1845	2.0	16.6667	ND	91.1	35 - 137	0.396	20	
4,4'-DDE	18.6653	2.0	16.6667	7.60367	66.4	34 - 139	0.451	20	
4,4'-DDE [2C]	16.2172	2.0	16.6667	6.58950	57.8	34 - 139	2.43	20	
4,4'-DDT	14.8927	2.0	16.6667	ND	89.4	20 - 136	17.1	20	
4,4'-DDT [2C]	8.06917	2.0	16.6667	ND	48.4	20 - 136	4.86	20	
Aldrin	13.6372	1.0	16.6667	ND	81.8	40 - 119	0.195	20	
Aldrin [2C]	13.1355	1.0	16.6667	ND	78.8	40 - 119	0.852	20	
alpha-BHC	13.1138	1.0	16.6667	ND	78.7	40 - 114	0.669	20	
alpha-BHC [2C]	12.2492	1.0	16.6667	ND	73.5	40 - 114	1.92	20	
alpha-Chlordane	13.4875	1.0	16.6667	ND	80.9	28 - 140	0.623	20	
alpha-Chlordane [2C]	13.8313	1.0	16.6667	ND	83.0	28 - 140	2.07	20	
beta-BHC	13.3173	1.0	16.6667	ND	79.9	39 - 112	0.372	20	
beta-BHC [2C]	12.9620	1.0	16.6667	ND	77.8	39 - 112	4.00	20	
delta-BHC	9.70867	1.0	16.6667	ND	58.3	7 - 133	1.23	20	
delta-BHC [2C]	9.63033	1.0	16.6667	ND	57.8	7 - 133	1.62	20	
Dieldrin	13.6687	2.0	16.6667	ND	82.0	39 - 132	0.622	20	
Dieldrin [2C]	14.8497	2.0	16.6667	ND	89.1	39 - 132	1.76	20	
Endosulfan I	13.5105	1.0	16.6667	ND	81.1	40 - 116	0.846	20	
Endosulfan I [2C]	12.9347	1.0	16.6667	ND	77.6	40 - 116	1.31	20	
Endosulfan II	14.5055	2.0	16.6667	ND	87.0	34 - 133	0.408	20	
Endosulfan II [2C]	14.0257	2.0	16.6667	ND	84.2	34 - 133	1.46	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
 Report To : Ralph Carson
 Reported : 03/30/2016

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6C0757 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B6C0757-MSD1) - Continued

Source: 1601118-84

Prepared: 3/28/2016 Analyzed: 3/29/2016

Endosulfan sulfate	12.0733	2.0	16.6667	ND	72.4	11 - 151	0.289	20	
Endosulfan Sulfate [2C]	12.3915	2.0	16.6667	ND	74.3	11 - 151	1.20	20	
Endrin	15.1160	2.0	16.6667	ND	90.7	44 - 130	1.26	20	
Endrin [2C]	15.6823	2.0	16.6667	ND	94.1	44 - 130	1.69	20	
Endrin aldehyde	9.93650	2.0	16.6667	ND	59.6	9 - 147	0.315	20	
Endrin aldehyde [2C]	13.4862	2.0	16.6667	ND	80.9	9 - 147	0.936	20	
Endrin ketone	13.5550	2.0	16.6667	ND	81.3	22 - 144	2.99	20	
Endrin ketone [2C]	12.1667	2.0	16.6667	ND	73.0	22 - 144	1.01	20	
gamma-BHC	13.7640	1.0	16.6667	ND	82.6	42 - 118	0.303	20	
gamma-BHC [2C]	13.6295	1.0	16.6667	ND	81.8	47 - 118	0.195	20	
gamma-Chlordane	13.5253	1.0	16.6667	ND	81.2	34 - 133	0.700	20	
gamma-Chlordane [2C]	13.4937	1.0	16.6667	ND	81.0	34 - 133	1.45	20	
Heptachlor	14.2760	1.0	16.6667	ND	85.7	43 - 119	0.772	20	
Heptachlor [2C]	14.7703	1.0	16.6667	ND	88.6	43 - 119	0.735	20	
Heptachlor epoxide	13.7788	1.0	16.6667	ND	82.7	45 - 121	1.81	20	
Heptachlor epoxide [2C]	13.4152	1.0	16.6667	ND	80.5	45 - 121	0.685	20	
Methoxychlor	12.0932	5.0	16.6667	ND	72.6	21 - 140	4.51	20	
Methoxychlor [2C]	13.1457	5.0	16.6667	ND	78.9	21 - 140	3.98	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.43</i>		<i>16.6667</i>		<i>68.6</i>	<i>24 - 135</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.14</i>		<i>16.6667</i>		<i>72.9</i>	<i>24 - 135</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.25</i>		<i>16.6667</i>		<i>73.5</i>	<i>29 - 105</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>12.47</i>		<i>16.6667</i>		<i>74.8</i>	<i>29 - 105</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Scarlet LLC, 185703320
Report To : Ralph Carson
Reported : 03/30/2016

Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
M7	Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L3	Laboratory control sample outside in-house established limits but within method criteria.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

Instruction: Complete all shaded areas.

For Laboratory Use Only
 ATLCOC Ver. 20130715

Method of Transport		Sample Conditions Upon Receipt				
<input type="checkbox"/> Client	<input type="checkbox"/> ATL	Condition	Y	N	Y	N
<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	1. CHILLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. # OF SAMPLES MATCH COC	<input type="checkbox"/>
<input type="checkbox"/> GSO	<input type="checkbox"/> Other:	2. HEADSPACE (VOA)	<input type="checkbox"/>	<input type="checkbox"/>	6. PRESERVED	<input type="checkbox"/>
<input type="checkbox"/>		3. CONTAINER INTACT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. COOLER TEMP. Deg. C	<input type="checkbox"/>
<input type="checkbox"/>		4. SEALED	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Company: **Stantec**
 Address: **3475 W. Shaw Ave # 104**
 City: **Fresno** State: **CA** Zip: **93711**
 Tel: **559-271-2650**
 Fax: **559-271-0371**

Company: **Ralph Carson Stantec.com**
 Address: **3475 W. Shaw Ave # 104**
 City: **Fresno** State: **CA** Zip: **93711**

SEND REPORT TO: **same as SEND REPORT TO**

Attn: _____ Email: _____
 Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____

ITEM	Lab No.	Sample Description	Sample ID / Location	Date	Time	Encircle or Write Requested Analysis		Encircle Sample Matrix	Container	QA/QC
						8013 (Pb)	8015 (Cd)			
1	201115-41	S-41		03-22-16	1040					
2	-42	S-42			1043					
3	-43	S-43			1033					
4	-44	S-44			1037					
5	-45	S-45			1031					
6	-46	S-46			1029					
7	-47	S-47			1016					
8	-48	S-48			1023					
9	-49	S-49			1026					
10	-50	S-50			1145					

Special Instructions/Comments: **X** **8081 (Organochlorine Pesticides)** **X** **8082 (Semi-Volatiles)** **X** **8087 (Pb)** **X** **8088 (Cd)** **X** **8089 (Cu)** **X** **8090 (Mn)** **X** **8091 (Zn)** **X** **8092 (Fe)** **X** **8093 (Ni)** **X** **8094 (Co)** **X** **8095 (Cr)** **X** **8096 (Mg)** **X** **8097 (Al)** **X** **8098 (Si)** **X** **8099 (Ca)** **X** **8100 (K)** **X** **8101 (Na)** **X** **8102 (S)** **X** **8103 (Cl)** **X** **8104 (F)** **X** **8105 (Br)** **X** **8106 (I)** **X** **8107 (B)** **X** **8108 (P)** **X** **8109 (V)** **X** **8110 (Cr)** **X** **8111 (Mn)** **X** **8112 (Fe)** **X** **8113 (Ni)** **X** **8114 (Cu)** **X** **8115 (Zn)** **X** **8116 (Pb)** **X** **8117 (Cd)** **X** **8118 (Hg)** **X** **8119 (As)** **X** **8120 (Se)** **X** **8121 (Mo)** **X** **8122 (Ag)** **X** **8123 (Au)** **X** **8124 (Pt)** **X** **8125 (Ba)** **X** **8126 (Sr)** **X** **8127 (Rb)** **X** **8128 (Cs)** **X** **8129 (Li)** **X** **8130 (Be)** **X** **8131 (Mg)** **X** **8132 (Al)** **X** **8133 (Si)** **X** **8134 (P)** **X** **8135 (S)** **X** **8136 (Cl)** **X** **8137 (K)** **X** **8138 (Ca)** **X** **8139 (Sc)** **X** **8140 (Ti)** **X** **8141 (V)** **X** **8142 (Cr)** **X** **8143 (Mn)** **X** **8144 (Fe)** **X** **8145 (Co)** **X** **8146 (Ni)** **X** **8147 (Cu)** **X** **8148 (Zn)** **X** **8149 (Ga)** **X** **8150 (Ge)** **X** **8151 (As)** **X** **8152 (Se)** **X** **8153 (Br)** **X** **8154 (Kr)** **X** **8155 (Rb)** **X** **8156 (Sr)** **X** **8157 (Y)** **X** **8158 (Zr)** **X** **8159 (Nb)** **X** **8160 (Mo)** **X** **8161 (Tc)** **X** **8162 (Ru)** **X** **8163 (Rh)** **X** **8164 (Pd)** **X** **8165 (Ag)** **X** **8166 (Cd)** **X** **8167 (In)** **X** **8168 (Sn)** **X** **8169 (Sb)** **X** **8170 (Te)** **X** **8171 (I)** **X** **8172 (Xe)** **X** **8173 (Ba)** **X** **8174 (La)** **X** **8175 (Ce)** **X** **8176 (Pr)** **X** **8177 (Nd)** **X** **8178 (Pm)** **X** **8179 (Sm)** **X** **8180 (Eu)** **X** **8181 (Gd)** **X** **8182 (Tb)** **X** **8183 (Dy)** **X** **8184 (Ho)** **X** **8185 (Er)** **X** **8186 (Tm)** **X** **8187 (Yb)** **X** **8188 (Lu)** **X** **8189 (Hf)** **X** **8190 (Ta)** **X** **8191 (W)** **X** **8192 (Re)** **X** **8193 (Os)** **X** **8194 (Ir)** **X** **8195 (Pt)** **X** **8196 (Au)** **X** **8197 (Hg)** **X** **8198 (Tl)** **X** **8199 (Pb)** **X** **8200 (Bi)** **X** **8201 (Po)** **X** **8202 (At)** **X** **8203 (Rn)** **X** **8204 (Fr)** **X** **8205 (Ra)** **X** **8206 (Ac)** **X** **8207 (Th)** **X** **8208 (Pa)** **X** **8209 (U)** **X** **8210 (Np)** **X** **8211 (Pu)** **X** **8212 (Am)** **X** **8213 (Cm)** **X** **8214 (Bk)** **X** **8215 (Cf)** **X** **8216 (Es)** **X** **8217 (Fm)** **X** **8218 (Md)** **X** **8219 (Dm)** **X** **8220 (Bh)** **X** **8221 (Hs)** **X** **8222 (Mt)** **X** **8223 (Ds)** **X** **8224 (Rg)** **X** **8225 (Og)** **X** **8226 (Tennessine)** **X** **8227 (Oganesson)** **X** **8228 (Unbinilium)** **X** **8229 (Untrium)** **X** **8230 (Unquadrium)** **X** **8231 (Unquadium)** **X** **8232 (Unpentium)** **X** **8233 (Unsextium)** **X** **8234 (Unseptium)** **X** **8235 (Unoctium)** **X** **8236 (Unnonium)** **X** **8237 (Undecium)** **X** **8238 (Undecium)** **X** **8239 (Untridecium)** **X** **8240 (Undecium)** **X** **8241 (Untridecium)** **X** **8242 (Untridecium)** **X** **8243 (Untridecium)** **X** **8244 (Untridecium)** **X** **8245 (Untridecium)** **X** **8246 (Untridecium)** **X** **8247 (Untridecium)** **X** **8248 (Untridecium)** **X** **8249 (Untridecium)** **X** **8250 (Untridecium)** **X** **8251 (Untridecium)** **X** **8252 (Untridecium)** **X** **8253 (Untridecium)** **X** **8254 (Untridecium)** **X** **8255 (Untridecium)** **X** **8256 (Untridecium)** **X** **8257 (Untridecium)** **X** **8258 (Untridecium)** **X** **8259 (Untridecium)** **X** **8260 (Untridecium)** **X** **8261 (Untridecium)** **X** **8262 (Untridecium)** **X** **8263 (Untridecium)** **X** **8264 (Untridecium)** **X** **8265 (Untridecium)** **X** **8266 (Untridecium)** **X** **8267 (Untridecium)** **X** **8268 (Untridecium)** **X** **8269 (Untridecium)** **X** **8270 (Untridecium)** **X** **8271 (Untridecium)** **X** **8272 (Untridecium)** **X** **8273 (Untridecium)** **X** **8274 (Untridecium)** **X** **8275 (Untridecium)** **X** **8276 (Untridecium)** **X** **8277 (Untridecium)** **X** **8278 (Untridecium)** **X** **8279 (Untridecium)** **X** **8280 (Untridecium)** **X** **8281 (Untridecium)** **X** **8282 (Untridecium)** **X** **8283 (Untridecium)** **X** **8284 (Untridecium)** **X** **8285 (Untridecium)** **X** **8286 (Untridecium)** **X** **8287 (Untridecium)** **X** **8288 (Untridecium)** **X** **8289 (Untridecium)** **X** **8290 (Untridecium)** **X** **8291 (Untridecium)** **X** **8292 (Untridecium)** **X** **8293 (Untridecium)** **X** **8294 (Untridecium)** **X** **8295 (Untridecium)** **X** **8296 (Untridecium)** **X** **8297 (Untridecium)** **X** **8298 (Untridecium)** **X** **8299 (Untridecium)** **X** **8300 (Untridecium)** **X** **8301 (Untridecium)** **X** **8302 (Untridecium)** **X** **8303 (Untridecium)** **X** **8304 (Untridecium)** **X** **8305 (Untridecium)** **X** **8306 (Untridecium)** **X** **8307 (Untridecium)** **X** **8308 (Untridecium)** **X** **8309 (Untridecium)** **X** **8310 (Untridecium)** **X** **8311 (Untridecium)** **X** **8312 (Untridecium)** **X** **8313 (Untridecium)** **X** **8314 (Untridecium)** **X** **8315 (Untridecium)** **X** **8316 (Untridecium)** **X** **8317 (Untridecium)** **X** **8318 (Untridecium)** **X** **8319 (Untridecium)** **X** **8320 (Untridecium)** **X** **8321 (Untridecium)** **X** **8322 (Untridecium)** **X** **8323 (Untridecium)** **X** **8324 (Untridecium)** **X** **8325 (Untridecium)** **X** **8326 (Untridecium)** **X** **8327 (Untridecium)** **X** **8328 (Untridecium)** **X** **8329 (Untridecium)** **X** **8330 (Untridecium)** **X** **8331 (Untridecium)** **X** **8332 (Untridecium)** **X** **8333 (Untridecium)** **X** **8334 (Untridecium)** **X** **8335 (Untridecium)** **X** **8336 (Untridecium)** **X** **8337 (Untridecium)** **X** **8338 (Untridecium)** **X** **8339 (Untridecium)** **X** **8340 (Untridecium)** **X** **8341 (Untridecium)** **X** **8342 (Untridecium)** **X** **8343 (Untridecium)** **X** **8344 (Untridecium)** **X** **8345 (Untridecium)** **X** **8346 (Untridecium)** **X** **8347 (Untridecium)** **X** **8348 (Untridecium)** **X** **8349 (Untridecium)** **X** **8350 (Untridecium)** **X** **8351 (Untridecium)** **X** **8352 (Untridecium)** **X** **8353 (Untridecium)** **X** **8354 (Untridecium)** **X** **8355 (Untridecium)** **X** **8356 (Untridecium)** **X** **8357 (Untridecium)** **X** **8358 (Untridecium)** **X** **8359 (Untridecium)** **X** **8360 (Untridecium)** **X** **8361 (Untridecium)** **X** **8362 (Untridecium)** **X** **8363 (Untridecium)** **X** **8364 (Untridecium)** **X** **8365 (Untridecium)** **X** **8366 (Untridecium)** **X** **8367 (Untridecium)** **X** **8368 (Untridecium)** **X** **8369 (Untridecium)** **X** **8370 (Untridecium)** **X** **8371 (Untridecium)** **X** **8372 (Untridecium)** **X** **8373 (Untridecium)** **X** **8374 (Untridecium)** **X** **8375 (Untridecium)** **X** **8376 (Untridecium)** **X** **8377 (Untridecium)** **X** **8378 (Untridecium)** **X** **8379 (Untridecium)** **X** **8380 (Untridecium)** **X** **8381 (Untridecium)** **X** **8382 (Untridecium)** **X** **8383 (Untridecium)** **X** **8384 (Untridecium)** **X** **8385 (Untridecium)** **X** **8386 (Untridecium)** **X** **8387 (Untridecium)** **X** **8388 (Untridecium)** **X** **8389 (Untridecium)** **X** **8390 (Untridecium)** **X** **8391 (Untridecium)** **X** **8392 (Untridecium)** **X** **8393 (Untridecium)** **X** **8394 (Untridecium)** **X** **8395 (Untridecium)** **X** **8396 (Untridecium)** **X** **8397 (Untridecium)** **X** **8398 (Untridecium)** **X** **8399 (Untridecium)** **X** **8400 (Untridecium)** **X** **8401 (Untridecium)** **X** **8402 (Untridecium)** **X** **8403 (Untridecium)** **X** **8404 (Untridecium)** **X** **8405 (Untridecium)** **X** **8406 (Untridecium)** **X** **8407 (Untridecium)** **X** **8408 (Untridecium)** **X** **8409 (Untridecium)** **X** **8410 (Untridecium)** **X** **8411 (Untridecium)** **X** **8412 (Untridecium)** **X** **8413 (Untridecium)** **X** **8414 (Untridecium)** **X** **8415 (Untridecium)** **X** **8416 (Untridecium)** **X** **8417 (Untridecium)** **X** **8418 (Untridecium)** **X** **8419 (Untridecium)** **X** **8420 (Untridecium)** **X** **8421 (Untridecium)** **X** **8422 (Untridecium)** **X** **8423 (Untridecium)** **X** **8424 (Untridecium)** **X** **8425 (Untridecium)** **X** **8426 (Untridecium)** **X** **8427 (Untridecium)** **X** **8428 (Untridecium)** **X** **8429 (Untridecium)** **X** **8430 (Untridecium)** **X** **8431 (Untridecium)** **X** **8432 (Untridecium)** **X** **8433 (Untridecium)** **X** **8434 (Untridecium)** **X** **8435 (Untridecium)** **X** **8436 (Untridecium)** **X** **8437 (Untridecium)** **X** **8438 (Untridecium)** **X** **8439 (Untridecium)** **X** **8440 (Untridecium)** **X** **8441 (Untridecium)** **X** **8442 (Untridecium)** **X** **8443 (Untridecium)** **X** **8444 (Untridecium)** **X** **8445 (Untridecium)** **X** **8446 (Untridecium)** **X** **8447 (Untridecium)** **X** **8448 (Untridecium)** **X** **8449 (Untridecium)** **X** **8450 (Untridecium)** **X** **8451 (Untridecium)** **X** **8452 (Untridecium)** **X** **8453 (Untridecium)** **X** **8454 (Untridecium)** **X** **8455 (Untridecium)** **X** **8456 (Untridecium)** **X** **8457 (Untridecium)** **X** **8458 (Untridecium)** **X** **8459 (Untridecium)** **X** **8460 (Untridecium)** **X** **8461 (Untridecium)** **X** **8462 (Untridecium)** **X** **8463 (Untridecium)** **X** **8464 (Untridecium)** **X** **8465 (Untridecium)** **X** **8466 (Untridecium)** **X** **8467 (Untridecium)** **X** **8468 (Untridecium)** **X** **8469 (Untridecium)** **X** **8470 (Untridecium)** **X** **8471 (Untridecium)** **X** **8472 (Untridecium)** **X** **8473 (Untridecium)** **X** **8474 (Untridecium)** **X** **8475 (Untridecium)** **X** **8476 (Untridecium)** **X** **8477 (Untridecium)** **X** **8478 (Untridecium)** **X** **8479 (Untridecium)** **X** **8480 (Untridecium)** **X** **8481 (Untridecium)** **X** **8482 (Untridecium)** **X** **8483 (Untridecium)** **X** **8484 (Untridecium)** **X** **8485 (Untridecium)** **X** **8486 (Untridecium)** **X** **8487 (Untridecium)** **X** **8488 (Untridecium)** **X** **8489 (Untridecium)** **X** **8490 (Untridecium)** **X** **8491 (Untridecium)** **X** **8492 (Untridecium)** **X** **8493 (Untridecium)** **X** **8494 (Untridecium)** **X** **8495 (Untridecium)** **X** **8496 (Untridecium)** **X** **8497 (Untridecium)** **X** **8498 (Untridecium)** **X** **8499 (Untridecium)** **X** **8500 (Untridecium)** **X** **8501 (Untridecium)** **X** **8502 (Untridecium)** **X** **8503 (Untridecium)** **X** **8504 (Untridecium)** **X** **8505 (Untridecium)** **X** **8506 (Untridecium)** **X** **8507 (Untridecium)** **X** **8508 (Untridecium)** **X** **8509 (Untridecium)** **X** **8510 (Untridecium)** **X** **8511 (Untridecium)** **X** **8512 (Untridecium)** **X** **8513 (Untridecium)** **X** **8514 (Untridecium)** **X** **8515 (Untridecium)** **X** **8516 (Untridecium)** **X** **8517 (Untridecium)** **X** **8518 (Untridecium)** **X** **8519 (Untridecium)** **X** **8520 (Untridecium)** **X** **8521 (Untridecium)** **X** **8522 (Untridecium)** **X** **8523 (Untridecium)** **X** **8524 (Untridecium)** **X** **8525 (Untridecium)** **X** **8526 (Untridecium)** **X** **8527 (Untridecium)** **X** **8528 (Untridecium)** **X** **8529 (Untridecium)** **X** **8530 (Untridecium)** **X** **8531 (Untridecium)** **X** **8532 (Untridecium)** **X** **8533 (Untridecium)** **X** **8534 (Untridecium)** **X** **8535 (Untridecium)** **X** **8536 (Untridecium)** **X** **8537 (Untridecium)** **X** **8538 (Untridecium)** **X** **8539 (Untridecium)** **X** **8540 (Untridecium)** **X** **8541 (Untridecium)** **X** **8542 (Untridecium)** **X** **8543 (Untridecium)** **X** **8544 (Untridecium)** **X** **8545 (Untridecium)** **X** **8546 (Untridecium)** **X** **8547 (Untridecium)** **X** **8548 (Untridecium)** **X** **8549 (Untridecium)** **X** **8550 (Untridecium)** **X** **8551 (Untridecium)** **X** **8552 (Untridecium)** **X** **8553 (Untridecium)** **X** **8554 (Untridecium)** **X** **8555 (Untridecium)** **X** **8556 (Untridecium)** **X** **8557 (Untridecium)** **X** **8558 (Untridecium)** **X** **8559 (Untridecium)** **X** **8560 (Untridecium)** **X** **8561 (Untridecium)** **X** **8562 (Untridecium)** **X** **8563 (Untridecium)** **X** **8564 (Untridecium)** **X** **8565 (Untridecium)** **X** **8566 (Untridecium)** **X** **8567 (Untridecium)** **X** **8568 (Untridecium)** **X** **8569 (Untridecium)** **X** **8570 (Untridecium)** **X** **8571 (Untridecium)** **X** **8572 (Untridecium)** **X** **8573 (Untridecium)** **X** **8574 (Untridecium)** **X** **8575 (Untridecium)** **X** **8576 (Untridecium)** **X** **8577 (Untridecium)** **X** **8578 (Untridecium)** **X** **8579 (Untridecium)** **X** **8580 (Untridecium)** **X** **8581 (Untridecium)** **X** **8582 (Untridecium)** **X** **8583 (Untridecium)** **X** **8584 (Untridecium)** **X** **8585 (Untridecium)** **X** **8586 (Untridecium)** **X** **8587 (Untridecium)** **X** **8588 (Untridecium)** **X** **8589 (Untridecium)** **X** **8590 (Untridecium)** **X** **8591 (Untridecium)** **X** **8592 (Untridecium)** **X** **8593 (Untridecium)** **X** **8594 (Untridecium)** **X** **8595 (Untridecium)** **X** **8596 (Untridecium)** **X**

CHAIN OF CUSTODY RECORD

Instruction: Complete all shaded areas.

For Laboratory Use Only
ATLCOG Ver: 20130715

Method of Transport
 Client
 FedEx
 GSO
 Other: _____

Sample Conditions Upon Receipt
 Condition Y N Y N
 1. CHILLED 5. # OF SAMPLES MATCH COC
 2. HEADSPACE (VSA) 6. PRESERVED
 3. CONTAINER INTACT 7. COOLER TEMP. DEG C
 4. SEALED

Company: **Startec**
 Address: **3475 W. Shaw Ave # 104**
 City: **Fresno** State: **CA** Zip: **93711**

Attn: **Ralph Carson** Email: **Ralph.Carson@startec.com**
 Company: **Startec**
 Address: **3475 W. Shaw Ave # 104**
 City: **Fresno** State: **CA** Zip: **93711**

SEND REPORT TO: _____
 SEND INVOICE TO: _____
 X same as SEND REPORT TO

ITEM	Lab No.	Sample ID / Location	Sample Description	Special Instructions/Comments:		Encircle or Write Requested Analysis	Encircle Sample Matrix	Container	QA/QC
				Quote No:	Remarks				
1	1601114	S-51		3-22-16	1140	801 (CRO) 802 (PbS) 808 (Cbs) 6010 / 7000 (the 22 Metals) T-15	Oil / Sediment / Sludge	151	<input type="checkbox"/> Routine <input type="checkbox"/> Caltrans <input type="checkbox"/> Legal <input type="checkbox"/> RWQCB <input type="checkbox"/> Level IV
2		S-52			1150				
3		S-53			1128				
4		S-54			1132				
5		S-55			1155				
6		S-56			1120				
7		S-57			1159				
8		S-58			1237				
9		S-59			1203				
10		S-60			1206				

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Submitter Print Name: _____ Signature: _____
 Date: 3/24/16 Time: 11:27

Received by: (Signature and Printed Name) _____
 Date: 3/22/16 Time: 10:00

Relinquished by: (Signature and Printed Name) _____
 Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____
 Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____
 Date: _____ Time: _____

7. Electronic records maintained for 14 calendar days after receipt of samples.
 8. Hard copy reports will be disposed of after 45 calendar days from report date.
 9. Storage and Report Fees:
 - Liquid & solid samples: Complimentary storage for forty five (45) calendar days from receipt of samples; \$20/ sample/week if extended storage is requested.
 - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$17.50 per hard copy report requested; \$50.00 per regenerated/performed report; \$35 per processed ETO.
 10. Rush TCEP/STC samples: add 2 days to analysis TAT for extraction on procedure.
 11. Unanalyzed samples will incur a disposal fee of \$7 per sample.

CHAIN OF CUSTODY RECORD

Page 8 of 9

Instruction: Complete all shaded areas.

For Laboratory Use Only
 ATLCCOC Ver: 20130715

Method of Transport		Sample Conditions Upon Receipt				
<input type="checkbox"/> Client	<input type="checkbox"/> ATL	Condition	Y	N	Y	N
<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> OnTrac	1. CHILLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5. # OF SAMPLES MATCH LOC	<input type="checkbox"/>
<input type="checkbox"/> GSO	<input type="checkbox"/> Other:	2. HEADSPACE (VOA)	<input type="checkbox"/>	<input type="checkbox"/>	6. PRESERVED	<input type="checkbox"/>
<input type="checkbox"/>		3. CONTAINER INTACT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7. COOLER TEMP. DEG. C	<input type="checkbox"/>
<input type="checkbox"/>		4. SEALED	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

Company: **Stantec**
 Address: **3275 W. Shaw Ave #104**
 City: **Fresno** State: **CA** Zip: **93711**
 Tel: **(551) 271-2650**
 Fax: **Same as SEND REPORT TO**

Attn: **Ralph Carson** Email: **Ralph.Carson@stantec.com**
 Company: **stantec**
 Address: **3275 W. Shaw Ave # 104**
 City: **Fresno** State: **CA** Zip: **93711**

ITEM	Lab No.	Sample ID / Location	Sample Description	Special Instructions/Comments:		Encircle or Write Requested Analysis	Encircle Sample Matrix	Container	QA/QC
				Quote No:	PO #:				
1	1601118-71	S-71		3-22-16	1449	8015 (Pb)	SOILS / WIP / FILTER	1-Tube, 2-VOA, 3-Liter, 4-Pint, 5-Gal, 6-Teddy, 7-Canister	Preservative: 1-HCl, 2-HNO3, 3-H2SO4, 4-HCl 5-Zn (Ag), 6-NaOH, 7-Na2S2O3
2	1601118-72	S-72			1253	8015 (Pb)	WATER - DRINKING / GROUND		
3	1601118-73	S-73			1256	8015 (Pb)	WATER - STORM / WASTE		
4	1601118-74	S-74			1300	8015 (Pb)	WATER - DRINKING / GROUND		
5	1601118-75	S-75			1304	8015 (Pb)	SOILS / WIP / FILTER		
6	1601118-76	S-76			1310	8015 (Pb)	WATER - DRINKING / GROUND		
7	1601118-77	S-77			1315	8015 (Pb)	WATER - STORM / WASTE		
8	1601118-78	S-78			1223	8015 (Pb)	SOILS / WIP / FILTER		
9	1601118-79	S-79			1227	8015 (Pb)	WATER - DRINKING / GROUND		
10	1601118-80	S-80			1210	8015 (Pb)	WATER - STORM / WASTE		

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Submitter Print Name: _____ Signature: _____
 Date: 3/24/16 Time: 12:07
 Received by: (Signature and Printed Name) _____
 Date: 3/24/16 Time: 12:07
 Relinquished by: (Signature and Printed Name) _____
 Date: 3/24/16 Time: 12:07

Appendix J3

Phase I Environmental Site Assessment
RE Tranquillity LLC

**Phase I Environmental Site
Assessment, RE Tranquillity
BAAH LLC**

RE Tranquillity BAAH LLC
APNs 028-101-22T & 028-101-23ST
Northeast Corner of West Dinuba
Avenue and South Ohio Avenue
Fresno County, California
Stantec Project No.: 185702964



Prepared for:
RE Tranquillity BAAH LLC
300 California Street, 8th Floor
San Francisco, California 94104

Prepared by:
Stantec Consulting Services Inc.
3475 West Shaw Avenue Suite
104
Fresno, California

December 17, 2014

Sign-off Sheet

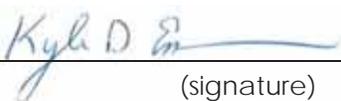
This Phase I Environmental Site Assessment, RE Tranquillity BAAH LLC, located at the northeast corner of West Dinuba Avenue and South Ohio Avenue, in Fresno County California was prepared by Stantec Consulting Services Inc. for RE Tranquillity BAAH LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Prepared by 
(signature)

Miguel Cisneros
Geologic Project Specialist

Reviewed by 
(signature)

Ralph Carson, PG
Senior Geologist

Reviewed by 
(signature)

Kyle Emerson, CEG 1271
Managing Principal Geologist





Stantec Consulting Services Inc.
3475 West Shaw Avenue Suite 104
Fresno CA 93711
Tel: (559) 271-2650
Fax: (559) 271-5108

Executive Summary

December 17, 2014

Ms. Marisa Mitchell
RE Tranquillity BAAH LLC
300 California Street, 8th Floor
San Francisco, California 94104

RE: PHASE I ENVIRONMENTAL SITE ASSESSMENT
RE Tranquillity BAAH LLC
Northeast Corner of West Dinuba Avenue and South Ohio Avenue
Fresno County, California

Dear Ms. Mitchell:

At the request and authorization of Recurrent Energy (RE), Stantec Consulting Services Inc. (Stantec) has completed a Phase I Environmental Site Assessment (ESA) for the RE Tranquillity BAAH LLC site located at the northeast corner of West Dinuba Avenue and South Ohio Avenue, in an unincorporated portion of Fresno County, California (the "Site"). This Phase I ESA was conducted in accordance with the scope of work provided in Stantec's proposal dated November 5, 2014, and in accordance with the All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312, and American Society for Testing and Materials (ASTM) Practice E1527-13 Standard Practice for Environmental Site Assessments. The following Executive Summary outlines Stantec's findings. Please read the report for a comprehensive accounting of investigative results.

EXECUTIVE SUMMARY

The Site is the proposed PG&E switching station site for the RE Tranquillity Solar Facility. The Site is a rectangular shaped parcel in an unincorporated area of Fresno County, California. The Site is located at the northeast corner of West Dinuba Avenue and South Ohio Avenue. The Site includes Assessor's Parcel Number (APNs) 028-101-22T and 028-101-23ST and encompasses approximately 161 acres. The two APNs are owned by the Westlands Water District. There is no known street address listed for the Site. The Site is located in the southwest quarter of Section 25 in Township 15 South, Range 15 East of the Mount Diablo Base and Meridian.

The Site is bounded by an agricultural field on the north, West Dinuba Avenue (a dirt road) to the south, an unnamed dirt road to the east, and South Ohio Avenue (a dirt road) to the west. There are no interior dirt roads on Site. The Site is currently fallow agricultural fields; there are no buildings on the Site. A storm water/tail water retention basin is located in the northeast corner of the Site on



Reference: Tranquillity BAAH LLC

APN 028-101-23ST. A metal pipe discharges the storm water/tail water into the basin. There is no visible outlet from the basin.

The Westlands Water District irrigation distribution valves are located at the northwest and southwest corner of the Site and are identified with the light blue coloring on the valves. The Westlands Water underground distribution lines are located along the north side of West Dinuba Avenue and a distribution line trends along South Ohio Avenue and terminates near the northwest corner of the Site. These features do not represent an environmental concern to the Site.

High voltage overhead power transmission line cross through the middle of the Site trending east-west. Overhead electric lines were also observed trending east-west along the south side West Dinuba Avenue on the adjacent property.

Stantec's interpretation of historical aerial photographs shows the Site has been utilized for agricultural purposes since prior to 1946 until the present. The high voltage overhead transmission lines were constructed across the Site between 1946 and 1955. The majority of the surrounding properties have also been historically used for agricultural purposes and a residence.

In the previous Phase I ESA, Stantec determined that the historic agricultural usage of the Site was considered a recognized environmental condition (REC). Stantec collected two soil samples from the Site and analyzed the near surface soils as part of the Phase II ESA to evaluate whether residual pesticides and/or metals were present above regulatory thresholds, California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers. The results showed no pesticides or metals at concentrations exceeding any applicable regulatory thresholds. Stantec concluded that the historical agriculture does not represent a REC for the Site, and recommends no further investigation regarding the historical agricultural use of the Site.

Stantec has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E-1527-05 (and Final Rule 40 CFR Part 312 et seq.) with respect to the Site. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Site.

Stantec has identified the following non-ASTM environmental issues associated with the Site:

- **Tidewater Associated Oil Company Easement.** The Tidewater Associated Oil Company (TAOC) easement was reported along South Ohio Avenue trending north-south. The Chevron Environmental Management Company (CEMC) letter stated that "*residual weathered crude oil, abandoned pipelines, and asbestos-containing materials could potentially be encountered during subsurface construction activities in this former pipeline right of way*". The former pipeline was constructed in the early 1900s and ceased operation





Reference: Tranquillity BAAH LLC

in the 1970s. The pipeline was taken out of commission, but the method of decommissioning varied and properly abandoned crude oil pipeline may still be left in the ground. The former pipeline was constructed of steel piping and was installed at depths up to 10 feet below the ground surface. The TAOC pipeline migrates from the west to the east side of the South Ohio Avenue.

CEMC conducted risk assessments at numerous locations along the pipeline with known historic crude oil release points along the former TAOC line. Analytical results indicated that the crude contaminated soil was non-hazardous. Per CEMC, "if soil affected by the historical release of crude oil from the former pipeline is encountered during construction activities it may be reused as backfill on site."

Stantec performed a ground penetrating radar (GPR) survey over the TAOC pipeline easement in an attempt to locate the pipeline. The GPR survey penetrated approximately 5 feet below the ground surface. Based on the GPR Survey, the former TAOC pipeline is located under the center of South Ohio Avenue (dirt road) adjacent to, but not within, the Site boundaries. Per the ALTA map, the dirt road is located on the adjacent property west of the Site. The underground line is approximately 2.5 to 3 feet below the ground surface.

If Site development activity will impact the pipes Stantec recommends that they be excavated and removed for off-site disposal. Stantec further recommends that if any unknown oil pipelines are discovered during grading that indicate evidence of a petroleum release, an environmental consultant should be contacted immediately. Based on the available information, however, including the non-hazardous nature of the crude at issue, Stantec concludes that the pipeline is unlikely to represent an environmental concern to the Site and recommends no further investigation regarding this issue.

- **Asbestos-Containing Materials.** The Site has been historically farmed for many years, so there is the potential that irrigation lines may be present. Irrigation lines are commonly wrapped with materials that may contain asbestos. In the event that irrigation lines are discovered during Site grading, and the pipes contain or are wrapped in suspect asbestos-containing materials, Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials, and removing and disposing of any asbestos-containing materials identified as a result, in accordance with all applicable laws, including OSHA guidelines.

It has been a pleasure to provide these services for you, and we look forward to working with you in the future. Should there be any questions concerning the information contained in the following report, please contact us at (909) 335-6116.





Reference: Tranquillity BAAH LLC

The Federal AAI rule and ASTM E1527-13 require that the Phase I ESA report includes the following declarations by the Environmental Professional who completed the assessment.

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

Signature: 
Name (printed): Kyle Emerson, C.E.G. 1271
Title: Managing Principal Geologist
Date: December 17, 2014

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Table of Contents
December 17, 2014

Table of Contents

EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	1.1
1.1 SCOPE OF WORK	1.2
1.2 RELIANCE AND CONTACT INFORMATION	1.2
2.0 SITE DESCRIPTION	2.1
2.1 SITE NAME AND LOCATION.....	2.1
2.2 SITE VICINITY.....	2.1
2.3 STRUCTURES, ROADS, AND OTHER RELEVANT IMPROVEMENTS ON SITE.....	2.1
2.4 ENVIRONMENTAL LIENS	2.2
2.5 CURRENT PROPERTY USE.....	2.2
3.0 SITE RECONNAISSANCE	3.1
3.1 PROPERTY OBSERVATIONS.....	3.1
3.1.1 Surface Drainage	3.2
3.1.2 Surface Water and Wetlands	3.2
3.1.3 Hazardous Materials Storage Areas.....	3.2
3.1.4 Subsurface Structures.....	3.2
3.2 STORAGE TANKS.....	3.4
3.3 POLYCHLORINATED BIPHENYLS	3.5
3.4 LEAD-BASED PAINT.....	3.5
3.5 ASBESTOS CONTAINING MATERIALS	3.6
3.6 SOLID WASTE DISPOSAL ISSUES.....	3.6
3.7 PESTICIDE ISSUES.....	3.6
3.8 RADON GAS	3.7
3.9 OIL WELLS.....	3.7
3.10 ENVIRONMENTAL SETTING – REGIONAL GEOLOGY AND HYDROGEOLOGY	3.8
3.11 ADJACENT SITE RECONNAISSANCE.....	3.8
3.12 SITE INTERVIEW.....	3.9
3.13 USER PROVIDED INFORMATION.....	3.9
3.14 SPECIALIZED KNOWLEDGE OR EXPERIENCE	3.10
3.15 PURCHASE PRICE VS. PROPERTY VALUE	3.10
4.0 PUBLIC RECORD REVIEW SECTION	4.1
4.1 FEDERAL, STATE, AND TRIBAL ENVIRONMENTAL RECORDS	4.1
4.1.1 Database Assessment Criteria	4.1
4.1.2 Site Listing Review	4.1
4.1.3 Area Listing Review	4.2
4.2 CITY, COUNTY, AND STATE RECORDS REVIEW.....	4.2
4.2.1 Fresno County Public Works and Planning	4.2
4.2.2 Fresno County Division of Environmental Health.....	4.2
4.2.3 Fresno County Fire Protection District	4.3



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Table of Contents
December 17, 2014

4.2.4	Regional Water Quality Control Board, Central Valley Region	4.3
4.2.5	Department of Toxic Substances Control	4.3
4.2.6	Summary of Findings from Environmental Records Review	4.3
5.0	HISTORICAL RECORDS REVIEW	5.1
5.1	AERIAL PHOTOGRAPHIC REVIEW	5.1
5.2	FIRE INSURANCE MAPS	5.2
5.3	HISTORICAL TOPOGRAPHIC MAP REVIEW	5.2
5.4	CITY DIRECTORY	5.3
5.5	FORMER REPORTS.....	5.4
5.6	OTHER HISTORICAL SOURCES	5.6
5.7	SUMMARY OF FINDINGS FROM HISTORICAL RECORDS REVIEW	5.6
6.0	POTENTIAL FOR VAPOR ENCROACHMENT.....	6.1
7.0	CONCLUSIONS AND RECOMMENDATIONS.....	7.1
8.0	LIMITATIONS	8.1
9.0	REFERENCES.....	9.1

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Map
Figure 3:	Westlands Water District, Laterals 8, 9, 10, 11, 12, Delivery Installations Map

APPENDIX A	PHOTOGRAPHIC LOG.....	A.1
APPENDIX B	ENVIRONMENTAL DATABASE REPORTS	B.1
APPENDIX C	OWNER PROVIDED INFORMATION.....	C.1
APPENDIX D	USER PROVIDED INFORMATION	D.1



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Introduction
December 17, 2014

1.0 Introduction

The objective of this Phase I Environmental Site Assessment (ESA) was to perform appropriate inquiry into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the American Society for Testing and Materials (ASTM) in "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", Designation E1527-13 (ASTM E1527-13) and Title 40 of the Code of Federal Regulations (CFR), Part 312, which specifies standards and practices for "all appropriate inquiries" (AAI) required for persons seeking to establish certain defenses to or protections from liability under the Federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). The Federal rule 40 CFR 312.11(a) identifies a Phase I ESA completed in accordance with the E1527-13 practice as one way to achieve compliance with requirements of the AAI rule.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify recognized environmental conditions (RECs), including historical recognized environmental conditions ("HRECs"), and controlled recognized environmental conditions ("CRECs") that may exist at a property. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

- (1) Due to any release to the environment;
- (2) Under conditions indicative of a release to the environment; or
- (3) Under conditions that pose a material threat of a future release to the environment.

ASTM defines a "HREC" as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional (EP) must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a "CREC" as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Introduction
December 17, 2014

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

- (1) Information that is publicly available;
- (2) Information that is obtainable from its source within reasonable time and cost constraints;
and
- (3) Information that is practicably reviewable.

1.1 SCOPE OF WORK

This ESA was conducted in accordance with Stantec's proposal to Recurrent Energy, dated November 5, 2014, and was performed in a manner which complies with requirements of the AAI Final Rule 40 CFR Part 312, ASTM Practice E1527-13, the terms and conditions of the Master Services Agreement between Stantec Consulting Services Inc. (Stantec) and the client ("MSA"), and the Statement of Limitations presented in Section 8.0 of this report. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the MSA, the MSA shall control.

The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the property, interviews with key individuals, and the review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the property (past or present), any subsurface investigation (including soil or groundwater sampling, exploratory boreholes or other investigative techniques to quantify potentially identified hazardous materials) or sampling and analyzing of environmental media (asbestos, lead-based paint, mold, or radon gas surveys). The conclusions presented in this ESA Report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 8.0.

1.2 RELIANCE AND CONTACT INFORMATION

This Phase I ESA report has been prepared for the exclusive use of Recurrent Energy, and its affiliates, assignees, designees, lenders and equity partners. No other person or entity may rely on the information presented in the report without the expressed written consent of Stantec. Any use of this Phase I ESA report constitutes acceptance of the terms and conditions under which it was prepared. Stantec's responsibility extends only to its client and Stantec is not liable or responsible to any other parties who may obtain the Phase I ESA report.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Description
December 17, 2014

2.0 Site Description

2.1 SITE NAME AND LOCATION

The Site is a rectangular shaped parcel in an unincorporated area of Fresno County, California (the "Site"). The Site is located at the northeast corner of West Dinuba Avenue and South Ohio Avenue. The Site includes Assessor's Parcel Numbers (APNs) 028-101-22T and 028-101-23ST and encompasses approximately 161 acres. The two APNs are owned by the Westlands Water District. There is no known street address listed for the Site.

The Site is located in Township 15 South, Range 15 East, in the southwest quarter of Section 25 of the Mount Diablo Base and Meridian.

2.2 SITE VICINITY

The Site is located within an agricultural area of Fresno County southwest of the community of Tranquillity. Adjacent properties to the Site include the following:

North: Agricultural land followed by West Manning Avenue.

East: An unnamed dirt road followed by agricultural land and a residence.

South: West Dinuba Avenue followed by agricultural land.

West: South Ohio Avenue followed by agricultural land.

The location of the Site is shown on Figure 1, Site Location Map. Surrounding property usage is shown on Figure 2, Site Map.

2.3 STRUCTURES, ROADS, AND OTHER RELEVANT IMPROVEMENTS ON SITE

The Site is the proposed Pacific Gas and Electric (PG&E) switching station site for the RE Tranquillity Solar Facility. The Site is currently developed as fallow agricultural fields; there are no buildings on the Site. The Site is bounded by an agricultural field on the north, West Dinuba Avenue (a dirt road) to the south, an unnamed dirt road to the east, and South Ohio Avenue (a dirt road) to the west. There are no interior dirt roads on the Site.

Westlands Water District underground distribution lines are located along West Dinuba Avenue and South Ohio Avenue. The Westlands Water District distribution valves are located at the northwest and southwest corner of the Site and are identified with the light blue coloring on the valves.

A storm water/tail water retention basin is located in the northeast corner of the Site on APN 028-101-23ST (Figure 2).

High voltage overhead power transmission line trend east-west and cross through the middle of the Site. Overhead electric lines were also observed trending east-west along West Dinuba Avenue.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Description
December 17, 2014

Further Site description is provided in Section 3.0. A photographic log is included as Appendix A.

2.4 ENVIRONMENTAL LIENS

Land title records and deeds were not provided by the User and public records were not searched by Stantec; therefore, the presence environmental liens associated with the Site could not be determined. The absence of title reports for Site is considered a data gap as defined by AAI. Recurrent Energy has requested Title Reports for the APNs and a review of the reports for environmental liens is recommended.

2.5 CURRENT PROPERTY USE

The Site is currently being used for agricultural purposes. The fields are fallow at the time of the Site reconnaissance. There is an agricultural equipment and wood pallet storage area in the southeast corner of the Site.

Site Reconnaissance
December 17, 2014

3.0 Site Reconnaissance

Mr. Ralph Carson, Senior Geologist and Mr. Miguel Cisneros, Geologic Project Specialist with Stantec, performed a Site reconnaissance on December 1, 2014. Weather conditions during the reconnaissance were clear and warm. No weather related restrictions were encountered.

The purpose of the Site reconnaissance was to identify existing conditions and land uses that may suggest potential environmental impacts to the Site. Such conditions, to the extent visible and accessible, include storage, disposal and treatment of solid and/or hazardous waste, storage tanks and other chemical containers, odors, pools of liquid, staining, drains, sumps, pits, ponds, lagoons, septic systems, wells, unusual soil disturbance, stressed vegetation, and electrical transformers.

Field notes of the Site reconnaissance are detailed further in the remainder of this report. Photographs taken during the Site reconnaissance are included in the Photographic Log in Appendix A.

3.1 PROPERTY OBSERVATIONS

The Site is the proposed PG&E switching station site for the RE Tranquillity Solar Facility. The Site is a rectangular shaped parcel and encompasses approximately 161 acres in a rural unincorporated area of Fresno County, California. The Site is located at the northeast corner of West Dinuba Avenue and South Ohio Avenue. The Site is bounded by an agricultural field on the north, West Dinuba Avenue (a dirt road) to the south, an unnamed dirt road to the east, and South Ohio Avenue (a dirt road) to the west. There are no interior dirt roads on Site.

The Site is currently fallow agricultural fields; there are no buildings on the Site. A storm water/tail water retention basin is located in the northeast corner of the Site on APN 028-101-23ST (Figure 2). A metal pipe discharges the storm water/tail water into the basin. There is no visible outlet from the basin.

The Westlands Water District irrigation distribution valves are located at the northwest and southwest corner of the Site and are identified with the light blue coloring on the valves.

Per the Westlands Water distribution lines shown on Figure 3, underground distribution lines are located along the north side of West Dinuba Avenue and a distribution line trends along South Ohio Avenue and terminates near the northwest corner of the Site.

High voltage overhead power transmission line cross through the middle of the Site trending east-west. Overhead electric lines were also observed trending east-west along the south side West Dinuba Avenue on the adjacent property.



PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

3.1.1 Surface Drainage

The Site was generally flat; water runoff would be expected to follow surface topography which slopes gently to the northeast. The surface elevations range between approximately 215 to 201 feet above mean sea level. Surface water drainage appears to occur as sheet flow across the Site as no canals or ditches were observed. No evidence of improper discharge from the Site was observed during Stantec's Site reconnaissance.

3.1.2 Surface Water and Wetlands

No standing surface water was observed on the Site during the reconnaissance. The storm water/tail water retention basin in the northeast corner of the Site is currently dry. According to the Environmental Data Resources, Inc. (EDR) Radius Map Report detail map, no mapped wetlands are on the Site or on adjacent parcels (Appendix B).

3.1.3 Hazardous Materials Storage Areas

Hazardous materials are those that are manufactured and could have an adverse effect on human health or the environment. Hazardous materials could include but are not limited to: hazardous substances as defined by CERCLA; hazardous wastes as defined by the Resource Conservation and Recovery Act (RCRA); and petroleum products.

Stantec observed no hazardous material/petroleum product storage areas associated with the Site.

3.1.4 Subsurface Structures

3.1.4.1 Water Wells

Historical maps show that the Site has been used for agricultural purposes. No water wells were observed on the Site during the Site reconnaissance. According to the EDR Radius Map Report, there are no water wells mapped on the Site.

According to Department of Water Resources (DWR) personnel, the information pertaining to agricultural and domestic water wells is confidential and not available to the public without written consent of the property owner. The potential for wells to be present at the Site does not represent an environmental concern to the Site, but Stantec recommends that a request be submitted to the DWR prior to Site construction activities to research the locations and status of any active or abandoned water wells that may be on-Site. If any wells are discovered during Site development activities, the well(s) should be abandoned in accordance with all applicable laws.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

3.1.4.2 Oil Pipelines

As part of the previous Phase I ESA, some of the preliminary title reports were provided to Stantec by Recurrent Energy. The reports indicated the presence of oil pipeline easements on the Site. A Tidewater Associated Oil Company (TAOC) easement was reported along South Ohio Avenue, which is located near the western property line. The TAOC pipeline trends north-south along South Ohio Avenue.

Recurrent Energy provided Stantec a letter report by Chevron Environmental Management Company (CEMC) entitled *Comments on the Draft Environmental Impact Report for the Tranquillity Solar Generating Facility Project* dated June 20, 2014. The report stated that "residual weathered crude oil, abandoned pipelines, and asbestos-containing materials could potentially be encountered during subsurface construction activities in this former pipeline right of way". The former pipeline was constructed in the early 1900s and ceased operation in the 1970s. The pipeline transported crude oil from Bakersfield to Richmond, California. The pipeline was taken out of commission, but the method of decommissioning varied and properly abandoned crude oil pipeline may still be left in the ground. The former pipeline was constructed of steel piping and was installed at depths up to 10 feet below the ground surface (bgs).

CEMC conducted risk assessments at numerous locations along the pipeline with known historic crude oil release points along the former TAOC line. Analytical results indicated that the crude contaminated soil was non-hazardous. Per CEMC, "if soil affected by the historical release of crude oil from the former pipeline is encountered during construction activities it may be reused as backfill on site."

Stantec performed a ground penetrating radar (GPR) survey over the TAOC pipeline easement in an attempt to locate the pipeline and summarized the findings in the *Result of Ground Penetrating Radar Survey of Petroleum Easements* report, dated July 23, 2014. The GPR survey penetrated approximately 5 feet below the ground surface. Based on the GPR Survey, the former TAOC pipeline is located under the center of South Ohio Avenue (dirt road) adjacent to, but not within, the Site boundaries. Per the ALTA map, the dirt road is located on the adjacent property west of the Site. The underground line is approximately 2.5 to 3 feet below the ground surface.

If Site development activity will impact the pipes Stantec recommends that they be excavated and removed for off-site disposal. Stantec further recommends that if any unknown oil pipelines are discovered during grading that indicate evidence of a petroleum release, an environmental consultant should be contacted immediately. Based on the available information, however, including the non-hazardous nature of the crude at issue, Stantec concludes that the pipeline is unlikely to represent an environmental concern to the Site and recommends no further investigation regarding this issue.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

3.1.4.3 Westland Water District Distribution Lines

Westlands Water District irrigation distribution valves were observed at the northwest and southwest corners of the Site and are identified with the light blue coloring on the valves. According to the Westlands Water District map underground distribution lines are located along the north side of West Dinuba Avenue and a distribution line trends along South Ohio Avenue and terminates near the northwest corner of the Site. A copy of the Westland Water District Laterals 8, 9, 10, 11, and 12 Delivery Installations Map illustrated the distribution lines around the Site (Figure 3). These features do not represent an environmental concern to the Site.

3.1.4.4 Transite Pipe

Agricultural properties have historically used transite pipe for irrigation purposes. Given the pre-1946 agricultural activities on the Site, irrigation piping could potentially be constructed of transite, a material composed of asbestos and cement. However, no transite pipe was observed during the Site reconnaissance and, per the previous Phase I ESA prepared by Stantec (Stantec, 2013); there is no transite pipe on the Site. Therefore, transite piping appears unlikely to represent an environmental concern to the Site. If any transite pipe is discovered during Site development activities, the piping should be removed and disposed of in accordance with all applicable laws, including the Occupational Safety and Health Administration (OSHA) guidelines.

3.2 STORAGE TANKS

Stantec observed no underground storage tanks (USTs) or aboveground storage tanks (ASTs) on the Site during the Site reconnaissance. There were several ASTs observed on the adjacent property west of the Site. The ASTs on the adjacent property are as follows:

- Two 55-gallon drum ASTs were observed adjacent to an awning structure, southeast of the main residence on the Wakefield parcel APN 028-101-75S. The drums contain motor oil and hydraulic fluid. The drums have been placed on a metal drum cradle and are laid on their side with a dispenser nozzle.
- A 300-gallon diesel AST is located near the center of the residential complex on the Wakefield parcel APN 028-101-75S. The diesel tank is located on an elevated metal frame with a fuel dispensing nozzle.
- Two ASTs were located west of the residential complex on the Wakefield parcel APN 028-101-75S. One of the tanks contained propane while the second tank appeared to be a water tank.
- A trailer mounted propane AST was located in the equipment storage area west of the residential complex on the Wakefield parcel APN 028-101-75S.

Minor soil staining was observed beneath the two 55-gallon drum ASTs on the Wakefield parcel APN 028-101-75S. Due to the *de minimis* nature of the soil staining and the distance between the



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

staining and the Site, the soil staining is not considered a REC to the Site.

A review of a regulatory agency database search for the Site and surrounding area performed by EDR indicated that no permitted USTs or ASTs, containing petroleum or other hazardous materials, are, or were, present at the Site (Appendix B). Stantec recommends no further investigation into USTs or AST at the Site.

3.3 POLYCHLORINATED BIPHENYLS

Electrical transformers, hydraulic equipment capacitors, fluorescent light fixtures, and similar equipment may contain polychlorinated biphenyls (PCBs) in the hydraulic fluids or dielectric insulating fluids within the units. The federal Toxic Substances Control Act (TSCA) generally prohibited the domestic manufacture of PCBs after 1979. There is, however, the potential that the dielectric fluid in electrical and hydraulic equipment manufactured and constructed prior to that date contains PCBs.

No historic electrical or hydraulic equipment associated with the previous agricultural usage of the Site was observed on the property other than the high voltage power transmission lines that trend east-west through the middle of the Site and the overhead power lines that trend east-west along West Dinuba Avenue, which do not represent an environmental concern to the Site.

Two pole mounted transformers were observed east of the Site along the south side of West Dinuba Avenue. The two pole mounted transformers are on the adjacent Wakefield property and are associated with the residence. The transformers were in good shape with no evidence of leakage and do not represent an environmental concern to the Site.

3.4 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development has identified the following risk factors:

- The age of the dwelling as follows:
 - The maximum risk is from paint applied before 1950.
 - There is severe risk from paint applied from 1950 to 1960.
 - There is moderate risk from deteriorated paint applied from 1960 to 1970.
 - There is slight risk from the paint that is intact but applied after 1977.
- The condition of the painted surfaces.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

- The presence of children and certain types of households in the building.
- Previously reported cases of lead poisoning in the building or area.

There are no structures on Site, as a result, LBP does not represent an environmental concern and no further investigation is recommended.

3.5 ASBESTOS CONTAINING MATERIALS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is an asbestos containing material (ACM) that can be reduced to powder by hand pressure. Friable asbestos can become airborne and be inhaled, and has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

The Site is used for agricultural purposes; there are no structures on Site, as a result, ACM in building materials does not represent an environmental concern and no further investigation is recommended. However, with all former agricultural properties there is potential that irrigation lines may be wrapped with or contain asbestos. The type of irrigation line used can vary from one location to another over a large area of land. In the event that any suspect ACM lines are uncovered during Site grading, suspect ACM should be sampled and analyzed, and identified ACM should be removed and disposed of in accordance with all applicable laws, including OSHA guidelines

3.6 SOLID WASTE DISPOSAL ISSUES

The Site is used for agricultural purposes and no solid waste disposal was observed.

3.7 PESTICIDE ISSUES

Stantec's interpretation of historical aerial photographs shows the Site as agricultural land from prior to 1946 to the present. In the previous Phase I ESA (Stantec, 2013) that represented a larger area that included the Site, Stantec recommended collecting and analyzing near surface soils to evaluate whether residual pesticides and metals associated with herbicide applications were present above California hazardous waste levels or at concentration levels that would represent a potential health concern to construction workers.

Additionally, a Draft Environmental Impact Report (EIR) was prepared for the Tranquillity Solar Facility that documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage. The Phase II ESA also focused on selenium as a contaminant of concern and the soil samples were analyzed for selenium to determine if selenium was present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

Stantec collected two soil samples from the Site and analyzed the near surface soils as part of the Phase II ESA to evaluate whether residual pesticides and/or metals were present above regulatory thresholds, California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers. The results of the Phase II subsurface investigation performed by Stantec indicated no contaminants, including pesticides and heavy metals, at levels exceeding applicable regulatory thresholds. Accordingly, Stantec concluded that residual pesticides, arsenic, lead, and selenium do not represent a REC to the Tranquillity Solar Facility, including the Site. As a result, the detected metals and pesticides also present no issue to on-site construction workers or the intended use of the Site. Therefore, Stantec recommends no further investigation regarding the historic agricultural use of the Site.

3.8 RADON GAS

Radon is an odorless, tasteless and invisible gas produced by the decay of naturally occurring uranium in soil and water. Radon is a form of ionizing radiation and an identified carcinogen. Radon in air is ubiquitous. Radon is found in outdoor air and in the indoor air of buildings of all kinds. The U.S. EPA has determined that exposure to 4.0 picocuries per liter of air (pCi/L) of radon gas on a regular basis increases the risk of lung cancer.

The Site is located in an area designated as Federal EPA Radon Zone Level 2 with a predicted average indoor screening level greater than or equal to 2 pCi/L and less than or equal to 4 pCi/L. According to the EDR Radius Map report, two sites were tested in the 93640 zip code (area of the Site) and the results of the test were below 4 pCi/L. The information regarding this determination is contained in the EDR Radius Map Report (page A-18) attached as Appendix B. Based on this data, the Site lies within an area of low radon risk, radon is unlikely to represent an environmental concern to the Site, and Stantec recommends no further investigation regarding this issue.

3.9 OIL WELLS

Stantec reviewed the Digital Online Mapping System (DOMS) provided on the Department of Oil, Gas, and Geothermal Resources (DOGGR) website in an effort to determine if there are any known oil/gas wells on the Site or in the Site vicinity. According to the DOMS, there are no oil wells on the Site or within a half mile of the Site.

The nearest oil well is the Sumner Peck Ranch 1 oil well that was located approximately 0.6 miles south of the Site. Information on the Sumner Peck Ranch 1 oil well is listed below.

Well Name	Operator	API Number	Well Status	Year Abandoned	Reported Casing Depth Below Existing Grade (ft.)
"Sumner Peck Ranch" 1	Cabot Petroleum Corporation	01922056	Plugged & Abandoned – Dry Hole	1984	5



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

Based on the DOGGR website: the former Sumner Peck Ranch 1 oil well was located at latitude 36.580230 and longitude -120.398608. The DOMS website and well records indicate that the well was plugged and abandoned. If any well is encountered during grading, DOGGR would need to be notified.

Stantec has prepared a Soil Management Plan for the Site so that in the event that petroleum impacted soils are encountered at the Site during grubbing, grading, or other construction activities, these soils can be managed in accordance with the plan.

Based on the intended use of the Site as a PG&E switching station for the RE Tranquillity project, however, and no known oil wells on the Site, Stantec concludes that oil wells are unlikely to represent an environmental concern to the Site, and recommends no further assessment regarding this issue.

3.10 ENVIRONMENTAL SETTING – REGIONAL GEOLOGY AND HYDROGEOLOGY

The area is located within the Great Valley Geomorphic Province, which is a large alluvial plain between the highlands of the Sierra Nevada mountain range and Coast Ranges into which sediments have been deposited since the Jurassic (California Geological Survey [CGS], 2002). The stratigraphy underlying the Site and the vicinity consists of recent-age alluvium consisting of fan and basin deposits (CDMG, 1965).

The Site, as is most of California, is located in a seismically active area. The nearest active fault is the Nunez Fault, located approximately 23 miles south of the Site (CDMG, 1994). The Nunez Fault is part of an Alquist Priolo Special Studies Zone (CDMG, 2002b). The San Andreas Fault is located approximately 34 miles south west of the Site (CGS, 2011). The Site is not located within an Alquist Priolo Special Studies Zone (CDMG, 2002b).

The Site is located within the Westside subbasin (5-22.09) of the San Joaquin Valley Groundwater Basin (CDWR, 2013). The Westside subbasin comprises approximately 1,000 square miles underlying portions of Fresno and Kings Counties. Based on information provided in the EDR report, depth to groundwater in the Site vicinity is ranges from 170 feet below the ground surface in the northern portion of the Site to 370 feet below the ground surface in the central portion of the Site. Based on the depth to groundwater information, groundwater flow direction in the Site vicinity would be to the southwest.

3.11 ADJACENT SITE RECONNAISSANCE

Stantec conducted an area reconnaissance to identify adjacent properties of potential environmental concern. Observations of these properties were restricted to those areas readily observable from the public right-of-way (Figure 2). Surrounding properties to the Site include the following:

North: Agricultural land followed by West Manning Avenue.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance
December 17, 2014

East: An unnamed dirt road followed by agricultural land and a residence (Wakefield parcel).

South: West Dinuba Avenue followed by agricultural land.

West: South Ohio Avenue followed by agricultural land.

The Wakefield parcel is comprised mostly of agricultural land and a residence and assorted buildings located in the southwestern portion of the parcel. The residence is set back away from the adjoin property line with the Site. A farm equipment storage yard is located between the residence and the Site. The site reconnaissance observed several tractors and a trailer mounted propane tank stored in the equipment storage yard. Minor nuisance staining was observed under several of the tractors. Based on the size of the stains and the distance from the Site, the soil staining is considered *de minimis* and does not represent an environmental concern to the Site.

3.12 SITE INTERVIEW

An Owners Questionnaire was provided to Westlands Water District that was completed on November 26, 2014 by Mr. Russ Freeman, the Supervisor of Resources for the Westlands Water District. Mr. Freeman has been familiar with the site for over ten years. According to Mr. Freeman, the current use of the property is dry land farming and has been used for dry land farming in the past. The existing and past usage of the surrounding property has been used for dry land farming. The Owner Questionnaires are provided in Appendix C.

Mr. Freeman is not aware of any current or past hazardous/petroleum materials uses, storage or disposal at the Site. There have been no current or past regulatory actions or any past release of hazardous/petroleum material on the Site. According to Mr. Freeman, there are no pending or past litigations relevant to hazardous substances or petroleum in, on, or from the Site. Mr. Freeman is not aware of any pending or past administrative proceedings relevant to hazardous/petroleum materials on the Site. There have been no current or past notices from any government entity regarding possible violations of Environmental Laws related to hazardous/ petroleum materials on the Site.

3.13 USER PROVIDED INFORMATION

Prior to initiating the Site reconnaissance, Stantec requested information relevant to performance of this Phase I ESA with a written questionnaire submitted to the user of this report. A copy of the questionnaire completed by Ms. Marisa Mitchell, an Associate for Site Development with Recurrent Energy is provided in Appendix D. The significant information provided by Ms. Mitchell is summarized below.

1. Information on Environmental Cleanup Liens on Site? **No**
2. Information on Site Activity or Use Limitations (including Institutional and Engineering Controls)? **No**
3. Specialized knowledge or experience of the User: **No**



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Site Reconnaissance

December 17, 2014

4. Commonly known or reasonably ascertainable information about the Site? **The Site is used for dry farming (winter wheat).**
5. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation? **No**
6. Availability of previous environmental reports. **Yes, a Phase I and Phase II ESA Reports prepared by Stantec and the Fresno County Environmental Impact Report.**

3.14 SPECIALIZED KNOWLEDGE OR EXPERIENCE

The Federal AAI rule (40 CFR §312.28) and ASTM E1527-13 require that all appropriate inquiry must take into account relevant and applicable specialized knowledge and experience on the part of the User regarding the Site, the area surrounding the Site, the conditions of adjoining properties, and any other experience relevant to identifying RECs on the Site. Ms. Mitchell has no knowledge or experience related to the property or nearby properties.

3.15 PURCHASE PRICE VS. PROPERTY VALUE

The Federal AAI rule (40 CFR §312.29) and ASTM E1527-13 require that persons seeking defense to or protection from liability under CERCLA must take into account the relationship of the purchase price to the fair market value of the property if it were not contaminated to assess whether or not the differential is due to the presence of releases or threatened releases of hazardous substances. This portion of the inquiry is the responsibility of the User, and the User has the option of sharing or not sharing this information with the Environmental Professional performing the Phase I ESA.

Stantec has not performed an independent evaluation of the purchase price of the Site and its relationship to fair market value. Stantec submitted a written questionnaire to the User (identified in Section 3.13) inquiring about the User's knowledge regarding the relationship of the purchase price to the fair market value of the property if it were not contaminated. Ms. Mitchell indicated that she has no reason to believe that the purchase price has been reduced below fair market value due to any potential contamination and that it reflects fair market value.



Attorney/Client Privileged

4.0 Public Record Review Section

4.1 FEDERAL, STATE, AND TRIBAL ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from a third-party environmental database search firm EDR. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix B.

4.1.1 Database Assessment Criteria

Research into environmental regulatory agency database listings was performed by a third-party environmental regulatory agency database search firm. The purpose of the review was to identify reported environmental issues for the Site and other properties in the vicinity. The database search firm utilized the more stringent of the approximate minimum search distances specified in the Scope of Work for each of the referenced Federal and state environmental databases. The definition of the databases searched and the associated search distances from the Site are identified in the regulatory agency database search report.

The regulatory agency database search report usually lists a number of sites identified as "unmappable." The database search firm was unable to confirm the physical locations of these sites relative to the Site or to assess whether they were located within the designated search radii. Stantec's review of the EDR Radius Map Report revealed there were no "unmappable" sites associated with this report.

Stantec reviewed the results of the database search report to note reported release sites in the vicinity of the Site that were considered to have a potential to have adversely impacted the Site (i.e., are known to have or are expected to result in recognized environmental conditions). Reported release sites identified in the regulatory agency database search report were evaluated with respect to the nature and extent of a given release, the distance of the reported release site from the Site, the stratigraphy of soils, the expected soil permeability, and the topographic position of a reported release site with respect to known or expected local and/or regional groundwater flow direction. Those release sites that were considered likely to have impacted the Site are identified in the report as recognized environmental conditions, as defined in ASTM E1527-13. Sites that were listed in the database search report, but not identified as a release site (for example, a site listed as a hazardous waste generator but not as having had a release), and sites that were listed as being "closed" were not considered likely to have impacted the Site.

4.1.2 Site Listing Review

The Site was not listed in the Radius Map Report provided by EDR. As a result, no further investigation is recommended.

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Public Record Review Section
December 17, 2014

4.1.3 Area Listing Review

The database evaluations in this section include a consideration of the regional geology and hydrogeology discussed in Section 3.10. Depth to groundwater in the Site vicinity is ranges from 170 feet below the ground surface in the northern portion of the Site to 370 feet below the ground surface in the central portion of the Site. Based on the depth to water information, groundwater flow direction in the Site vicinity is anticipated to be to the southwest.

Generally, reported release sites located within ¼ mile were considered to have a potential to impact the Site. Facilities which were listed in the database search report but not identified as a release site, such as a hazardous waste generator or recycling facility, were not considered to have a potential to impact the Site.

The complete database listings of records detailed above prepared by EDR and a map showing the location of the search radius relative to the Site is presented in Appendix B. There were no listings of the adjacent properties in the databases researched by EDR Radius Map dated November 24, 2014 that would constitute a REC to the Site. As a result, no further investigation is recommended regarding off-site facilities.

4.2 CITY, COUNTY, AND STATE RECORDS REVIEW

4.2.1 Fresno County Public Works and Planning

Stantec contacted the Fresno County Public Works and Development Department Records to research whether any documents were on file for the Site. According to department personnel, permits are filed by street address, not by parcel number. There is no address associated with this Site therefore the records were not reasonably ascertainable.

Stantec also performed a search of recorded documents by parcel number for Fresno County through Criis.com which reportedly contains Public Records for County Governments. Stantec's search by parcel number produced no additional information.

4.2.2 Fresno County Division of Environmental Health

Stantec submitted a request to the Fresno County Department of Public Health, Division of Environmental Health. The Division of Environmental Health is the lead agency for the Certified Unified Program Agency (CUPA) for hazardous materials handling facilities, USTs, leaking underground storage tanks (LUSTs), and Hazardous Materials Business Plans within the county. Records are file by street address and APNs.

Stantec spoke with Khambay Malavong of the Fresno County CUPA; No other records were found pertaining to the Site or sites within the immediate vicinity.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Public Record Review Section
December 17, 2014

4.2.3 Fresno County Fire Protection District

Stantec contacted the Fresno County Fire Protection District, to research whether any documents were on file for the Site. Stantec spoke with Vicky Ashjian, Senior Secretary with Fresno County Fire Protection District. The Fire Protection District files their incidents by the date of the incident and not by site locations. Unless a date is known for an incident on the Site the information regarding this Site are not reasonably ascertainable from the Fresno County Fire Protection District.

4.2.4 Regional Water Quality Control Board, Central Valley Region

Stantec searched the Regional Water Quality Control Board (RWQCB) GeoTracker website for the Site and the area immediately adjacent to the Site. The GeoTracker database contains leaking underground storage tank sites, soil contamination, cleanup programs, land disposal sites and military sites that are active and closed. The GeoTracker website showed no listings identified on the Site or on adjacent properties. Based on the information provided on the GeoTracker website, no further assessment is recommended.

4.2.5 Department of Toxic Substances Control

Stantec searched the Department of Toxic Substances Control Envirostor website for the Site and the area immediately adjacent to the Site. Envirostor contains information on state cleanup sites, voluntary cleanup sites, school cleanup sites and military records. The Envirostor website identified no sites in the immediate vicinity of the Site. No further assessment is recommended.

4.2.6 Summary of Findings from Environmental Records Review

Stantec identified no evidence of any RECs associated with the Site based on its review of government environmental records.



Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx

5.0 Historical Records Review

Stantec developed an understanding of past use of the property through research of the following available information resources.

5.1 AERIAL PHOTOGRAPHIC REVIEW

Aerial photographs for the property and surrounding areas were obtained from EDR to evaluate historical usage of the Site and adjacent properties. The photographs were also reviewed to evaluate any discernible evidence of potential sources of negative environmental impact at the Site. The general activity on a property and land use changes can often be discerned from the type and layout of structures visible in aerial photographs and maps; however, specific elements of a site operation cannot normally be determined.

The following aerial photographs of the Site and surrounding areas were examined during Stantec's historical investigations:

1. Year: 1946

The Site is used for agricultural purposes, there are no structures observed on the Site. The adjacent properties are also used for agricultural purposes.

There are perimeter dirt roads on the south, east, and west sides of the Site. There are no interior dirt roads on the Site.

2. Year: 1955

The Site and surrounding area appears similar to the previous photograph. The Site is used for agricultural purposes. The high voltage overhead transmission lines have been constructed and transect the Site in an east-west direction. A dirt road has been constructed on the north side of the high voltage overhead transmission lines.

3. Year: 1965

The Site appears similar to the previous photograph. The interior dirt road on the north side of the high voltage overhead transmission lines has been returned to agricultural usage.

4. Year: 1971

The Site appears similar to the previous photograph. An interior dirt road transects the site trending north-south through the middle of the Site.

5. Year: 1981

The photograph is blurry. The Site is used for agricultural purposes. The interior road observed in the 1971 aerial photograph that transected the site in a north-south direction has been removed. An interior dirt road transects the Site in an east-west direction, just north of the electrical transmission line.

The adjacent properties are used for agricultural purposes. The Wakefield residence has been built on the adjacent property near the southeast corner of the Site.

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Historical Records Review
December 17, 2014

6. Year: 1998

The Site appears similar to the previous photograph. The interior dirt road has been removed and returned to agricultural purposes. A tail water/storm water pond has been constructed in the northeast corner of the Site.

7. Years: 2005, 2006, and 2009

The Site appears similar to the previous photograph. The Site is used for agricultural purposes.

8. Years: 2010 and 2012

The Site appears similar to the previous photograph. The Site is used for agricultural purposes. There are two dark areas observed in the southeast corner of the Site in both aerial photographs. Based on the Site reconnaissance the equipment and wood pallet storage areas are located in these two locations.

Stantec's interpretation of historical aerial photographs shows the Site has been utilized for agricultural purposes since prior to 1946 until the present. The high voltage overhead transmission lines were constructed across the Site between 1946 and 1955.

The majority of the surrounding properties have also been historically used for agricultural purposes and a residence. In the previous Phase I ESA, Stantec determined that the historic agricultural usage of the Site was a REC. Stantec sampled and analyzed near surface soils as part of the Phase II ESA to evaluate whether residual pesticides and metals were present above California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers. Based on the results of the Phase II subsurface investigation, which showed no contaminant levels exceeding applicable regulatory thresholds, Stantec concluded that the historical agriculture does not represent a REC and recommended no further investigation regarding this issue.

Copies of the Historical Aerial Photographs are provided in Appendix B.

5.2 FIRE INSURANCE MAPS

Available Fire Insurance Maps were requested from EDR. No maps were available for the Site area. A copy of the Sanborn map "No Coverage" report is included in Appendix B.

5.3 HISTORICAL TOPOGRAPHIC MAP REVIEW

Available historical topographic maps were requested from Environmental Data Resources for the Site and surrounding properties. Maps from the years 1923, 1946, 1947, 1948, 1956, 1971, and 1984 were reviewed.

1. Year: 1923

The Site and adjacent properties appear to be generally undeveloped and no site detail is visible other than dirt roads and the location of South Derrick Avenue (Highway 33). Surface elevation contouring indicates that the Site slopes to the northeast.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Historical Records Review
December 17, 2014

2. Year: 1946

The Site appears to be generally undeveloped and no features are depicted other than dirt roads and the location of South Derrick Avenue (Highway 33). The Midway Ranch is shown at the intersection of South Derrick Avenue and West Nebraska Avenue.

3. Year: 1947

The topographic map shows properties southeast of the Site. No Site information is available on this map.

4. Year: 1948

Observable features are similar to the 1946 topographic map.

5. Year: 1956

The Site remains unchanged except for the high voltage overhead electrical transmission lines have been constructed across the center of the Site. No other Site detail is depicted on the map.

An irrigation canal is shown west of South Ohio Avenue trending north-south on the adjacent property. The canal extends down to West Dinuba Avenue and then turns west and parallels West Dinuba Avenue with laterals branching off of the main line onto adjacent properties southwest of the Site.

A water well is depicted on the Wakefield property east of the Site. The well is approximately 0.25 miles east of the Site.

6. Year: 1971

The Site appears the same as the previous map.

7. Year: 1984

The Site appears the same as the previous map except that the irrigation canals along South Ohio Avenue and West Dinuba Avenue are no longer shown on the map.

Based on a review of historical topographic maps, the Site was not developed with any structures during the years covered by the topographic maps discussed above other than the high voltage overhead power transmission lines. No RECs were indicated based on review of available topographic maps.

5.4 CITY DIRECTORY

Available historical city street directories were researched from 1922 through 2002 by Environmental Data Resources for the address of 33578 West Dinuba Avenue (the only known address in the vicinity of the Site) and for addresses in the vicinity along West Dinuba Avenue and South Derrick Avenue. The 33578 West Dinuba Avenue was listed in the 1985 through 2005 directories listing David Wakefield as the property owner. In various directories between 1985 and 2005 the property is listed as having 1 to 2 residences and 1 business. The addresses listed for the surrounding properties on West Dinuba Avenue and South Derrick Avenue reported residential and



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Historical Records Review
December 17, 2014

commercial uses including farming related businesses and restaurants. No RECs were identified as a result of Stantec's review of the City Directory. A copy of the City Directory is included in Appendix B.

5.5 FORMER REPORTS

Krazan and Associates, Inc. (Krazan), 2011, Phase I Environmental Site Assessment, Highway 33 South of Manning Avenue, Fresno County, California.

A former Phase I ESA was performed by Krazan that included the Site. Krazan identified several water wells and irrigation ponds within the large site boundaries and on nearby properties that are not a part of Stantec's Phase I ESA. The Krazan Phase I ESA indicated potential areas of concern related to unregistered farm USTs and drilling mud pits related to abandoned oil wells but did not recommend any further assessment given that there is no specific known location for these features. The drilling mud pits were related to the former oil wells that are located approximately 0.6 miles south of the Site (and Stantec concludes that they do not represent an environmental concern to the Site).

Although Krazan identified that the Site was historically used for agriculture, no further assessment was recommended because any residual pesticides present in Site soils were assumed to be low.

Stantec Consulting Services Inc., 2013, Phase I Environmental Site Assessment, RE Tranquillity LLC, Highway 33 South of Manning Avenue, Fresno County, California.

The Phase I ESA performed by Stantec in 2013 included thirty-nine parcels with a total area of approximately 3,732 acres which includes this Site. Stantec identified the following REC that was related to the Site:

Historical Agricultural Use. Stantec recommends sampling and analyzing near surface soils to evaluate whether residual pesticides are present above California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers.

In addition, Stantec identified the following non-ASTM environmental issue:

Oil Pipeline Easements. The preliminary title reports provided to Stantec indicated the presence of two oil pipeline easements – (1) a Standard Oil Company easement and (2) a Tidewater Associated Oil Company (TAOC) easement. The Standard Oil Company easement is located approximately a mile southwest of the Site and does not represent an environmental concern to the Site. The TAOC easement is located near the western property line of the Site.

Stantec recommended a geophysical survey be performed to locate the former pipeline and, if located, excavate a series of trenches to expose the line and evaluate the condition and potential for a release to have occurred.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Historical Records Review
December 17, 2014

Stantec Consulting Services Inc., 2014, Phase II Environmental Site Assessment, RE Tranquillity LLC, Westlands Water District-Owned Parcels, Fresno County, California.

Stantec recommended performing a Phase II ESA investigation on the historic agricultural parcels identified as the Westlands Water District-Owned Parcels within the Tranquillity site. Historical records indicate that the Westlands Water District-Owned Parcels were used for agricultural purposes from at least 1955 until the mid-2000s.

As part of the Site development, a Draft Environmental Impact Report (EIR) was prepared. The Draft EIR documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a contaminant of concern. Stantec collected samples from the Site and analyzed the near surface soils as part of the Phase II ESA to evaluate whether residual pesticides and/or metals were present above regulatory thresholds, California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers. Based on the laboratory results, which showed no contaminant levels above applicable regulatory thresholds, Stantec concluded that residual pesticides, arsenic, lead, and selenium do not represent a REC to the Westlands Water District-Owner Parcels.

Chevron Environmental Management Company, 2014, Comments on the Draft Environmental Impact Report for the Tranquillity Solar Generating Facility Project Historical Pipeline Portfolio—Bakersfield to Richmond

The letter stated: A portion of the former Tidewater Associated Oil Company (TAOC) pipeline existed in the vicinity of the proposed project area. This formerly active pipeline was constructed in the early 1900s and carried crude oil from the southern San Joaquin Valley to the San Francisco Bay Area. Pipeline operations for the TAOC ceased in the 1970s, at which point, the pipeline was taken out of commission. The degree and method of decommissioning varied; in some instances the pipeline was removed, while in others, it remains in place. Because this pipeline has been decommissioned, with the majority of pipeline having been removed, it is not readily identified as underground utilities through the Underground Service Alert North System or utility surveys. The TAOC pipeline was installed at depths of up to 10 feet below ground surface. The steel pipeline was typically encased in a protective coating composed of coal tar and ACM.

CEMC conducted risk assessments at numerous locations with known historical crude-oil release points along the former TAOC pipeline. Analytical results from these risk assessments indicated that the crude-contaminated soil was non-hazardous. Accordingly, it is likely that if soil affected by the historical release of crude oil from this former pipeline is encountered during construction activities it may be reused as backfill on Site. Properly abandoned crude-oil pipeline may be left in the ground.



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Historical Records Review
December 17, 2014

Stantec Consulting Services Inc., 2014, Results of Ground Penetrating Radar Survey of Petroleum Pipeline Easements, RE Tranquillity LLC, Westland Water Parcels, Fresno County, California.

Stantec performed a GPR survey over the TAOC pipeline easement in an attempt to locate the pipeline. The GPR survey penetrated approximately 5 feet below the ground surface. Based on the GPR Survey, the former TAOC pipeline is located under the center of South Ohio Avenue (dirt road) adjacent to, but not within, the Site boundaries. Per the ALTA map, the dirt road is located on the adjacent property west of the Site. The underground line is approximately 2.5 to 3 feet below the ground surface.

If Site development activity will impact the pipes Stantec recommends that they be excavated and removed for off-site disposal. Stantec further recommends that if any unknown oil pipelines are discovered during grading that indicate evidence of a petroleum release, an environmental consultant should be contacted immediately. Based on the available information, however, including the non-hazardous nature of the crude at issue, Stantec concludes that the pipeline is unlikely to represent an environmental concern to the Site and recommends no further investigation regarding this issue.

5.6 OTHER HISTORICAL SOURCES

There were no other sources of historical information reviewed during this assessment.

5.7 SUMMARY OF FINDINGS FROM HISTORICAL RECORDS REVIEW

Stantec's interpretation of historical aerial photographs shows the Site has been utilized for agricultural purposes since prior to 1946 until the present. The surrounding properties have also been historically used for agricultural purposes and a residence. The high voltage overhead transmission lines were constructed across the Site between 1946 and 1955.

In the previous Phase I ESA, Stantec determined that the historic agricultural usage of the Site was considered a REC. Stantec collected samples from the Site and analyzed the near surface soils as part of the Phase II ESA to evaluate whether residual pesticides and/or metals were present above regulatory thresholds, California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers. The results showed no pesticides or metals at concentrations exceeding any applicable regulatory thresholds. Stantec concluded that the historical agriculture does not represent a REC for the Site, and recommends no further investigation regarding the historical agricultural use of the Site.

Stantec performed a GPR survey over the TAOC pipeline easement in an attempt to locate the pipeline. Based on the GPR Survey, the former TAOC pipeline is located under the center of South Ohio Avenue (dirt road) adjacent to, but not within, the Site boundaries. Per the ALTA map, the dirt road is located on the adjacent property west of the Site.

If Site development activity will impact the pipes Stantec recommends that they be excavated and removed for off-site disposal. Stantec further recommends that if any unknown oil pipelines



Attorney/Client Privileged

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Historical Records Review
December 17, 2014

are discovered during grading that indicate evidence of a petroleum release, an environmental consultant should be contacted immediately

The Site has been historically farmed for many years, so there is the potential that irrigation lines may be present. Irrigation lines are commonly wrapped with materials that may contain asbestos. In the event that irrigation lines are discovered during Site grading, and the pipes contain or are wrapped in suspect asbestos-containing materials, Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials, and removing and disposing of any ACM identified as a result, in accordance with all applicable laws, including OSHA guidelines.



Attorney/Client Privileged

6.0 Potential for Vapor Encroachment

Additionally, consideration of the migration of hazardous substances and petroleum products in all phases including solid, liquid, or vapor is required by the ASTM E1527-13 standard. As stated in Section 2.1 of ASTM E1527-13:

Vapor migration must be considered no differently than contaminated groundwater migration in the Phase I investigation. While E2600-10 provides an industry consensus methodology to assess vapor migration, use of E2600-10 methodology is not required to achieve compliance with AAI – an EP may use alternative methodology as deemed appropriate, but this must be documented in the Phase I report (i.e., it must be “capable of being reconstructed by an EP other than the EP responsible for the Phase I”).

As presented below, analysis of the potential for onsite or offsite releases to have affected the Site via migration through soil, groundwater or soil vapor was performed with consideration given to media affected, distance from the Site, remedial actions taken, type of contaminants, subsurface conditions, and location of the source relative to groundwater gradient.

Based on the Site inspection, review of adjacent properties, and available environmental records, the likelihood for vapor intrusion at the Site is considered low based on the following:

- No releases are reported for adjacent sites or sites within a quarter mile up-gradient relative to groundwater flow;
- Listings for neighboring sites indicate use of hazardous materials that do not pose a vapor intrusion threat, i.e. pesticides and ACM;
- No indication of manufacturing operations or use of hazardous materials was identified for neighboring properties;
- No evidence of potential operations that would impact soil vapor was identified for the Site;
- Although evidence of agricultural use was identified, pesticides and associated chemicals do not pose a vapor intrusion risk.

Therefore, Stantec recommends no investigation of soil vapor at the Site.

7.0 Conclusions and Recommendations

The Site is the proposed PG&E switching station site for the RE Tranquillity Solar Facility. The Site is a rectangular shaped parcel in an unincorporated area of Fresno County, California. The Site is located at the northeast corner of West Dinuba Avenue and South Ohio Avenue. The Site includes APNs 028-101-22T and 028-101-23ST and encompasses approximately 161 acres. The two APNs are owned by the Westlands Water District. There is no known street address listed for the Site. The Site is located in the southwest quarter of Section 25 in Township 15 South, Range 15 East of the Mount Diablo Base and Meridian.

The Site is bounded by an agricultural field on the north, West Dinuba Avenue (a dirt road) to the south, an unnamed dirt road to the east, and South Ohio Avenue (a dirt road) to the west. There are no interior dirt roads on Site. The Site is currently fallow agricultural fields; there are no buildings on the Site. A storm water/tail water retention basin is located in the northeast corner of the Site on APN 028-101-23ST. A metal pipe discharges the storm water/tail water into the basin. There is no visible outlet from the basin.

The Westlands Water District irrigation distribution valves are located at the northwest and southwest corner of the Site and are identified with the light blue coloring on the valves. The Westlands Water underground distribution lines are located along the north side of West Dinuba Avenue and a distribution line trends along South Ohio Avenue and terminates near the northwest corner of the Site. These features do not represent an environmental concern to the Site.

High voltage overhead power transmission line cross through the middle of the Site trending east-west. Overhead electric lines were also observed trending east-west along the south side West Dinuba Avenue on the adjacent property.

Stantec's interpretation of historical aerial photographs shows the Site has been utilized for agricultural purposes since prior to 1946 until the present. The high voltage overhead transmission lines were constructed across the Site between 1946 and 1955. The majority of the surrounding properties have also been historically used for agricultural purposes and a residence.

In the previous Phase I ESA, Stantec determined that the historic agricultural usage of the Site was considered a REC. Stantec collected two soil samples from the Site and analyzed the near surface soils as part of the Phase II ESA to evaluate whether residual pesticides and/or metals were present above regulatory thresholds, California hazardous waste levels or at concentrations that would represent a potential health concern to construction workers. The results showed no pesticides or metals at concentrations exceeding any applicable regulatory thresholds. Stantec concluded that the historical agriculture does not represent a REC for the Site, and recommends no further investigation regarding the historical agricultural use of the Site.

Stantec has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E-1527-05 (and Final Rule 40 CFR Part 312 et seq.) with respect to the Site. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report. This



PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Conclusions and Recommendations
December 17, 2014

assessment has revealed no evidence of recognized environmental conditions in connection with the Site.

Stantec has identified the following non-ASTM environmental issues associated with the Site:

- **Tidewater Associated Oil Company Easement.** The TAOC easement was reported along South Ohio Avenue trending north-south. The CEMC letter stated that "*residual weathered crude oil, abandoned pipelines, and asbestos-containing materials could potentially be encountered during subsurface construction activities in this former pipeline right of way*". The former pipeline was constructed in the early 1900s and ceased operation in the 1970s. The pipeline was taken out of commission, but the method of decommissioning varied and properly abandoned crude oil pipeline may still be left in the ground. The former pipeline was constructed of steel piping and was installed at depths up to 10 feet below the ground surface. The TAOC pipeline migrates from the west to the east side of the South Ohio Avenue.

CEMC conducted risk assessments at numerous locations along the pipeline with known historic crude oil release points along the former TAOC line. Analytical results indicated that the crude contaminated soil was non-hazardous. Per CEMC, "if soil affected by the historical release of crude oil from the former pipeline is encountered during construction activities it may be reused as backfill on site."

Stantec performed a GPR survey over the TAOC pipeline easement in an attempt to locate the pipeline. The GPR survey penetrated approximately 5 feet below the ground surface. Based on the GPR Survey, the former TAOC pipeline is located under the center of South Ohio Avenue (dirt road) adjacent to, but not within, the Site boundaries. Per the ALTA map, the dirt road is located on the adjacent property west of the Site. The underground line is approximately 2.5 to 3 feet below the ground surface.

If Site development activity will impact the pipes Stantec recommends that they be excavated and removed for off-site disposal. Stantec further recommends that if any unknown oil pipelines are discovered during grading that indicate evidence of a petroleum release, an environmental consultant should be contacted immediately. Based on the available information, however, including the non-hazardous nature of the crude at issue, Stantec concludes that the pipeline is unlikely to represent an environmental concern to the Site and recommends no further investigation regarding this issue.

- **Asbestos-Containing Materials.** The Site has been historically farmed for many years, so there is the potential that irrigation lines may be present. Irrigation lines are commonly wrapped with materials that may contain asbestos. In the event that irrigation lines are discovered during Site grading, and the pipes contain or are wrapped in suspect asbestos-containing materials, Stantec recommends analyzing the materials for the presence of asbestos prior to any disturbance of the materials, and removing and disposing of any asbestos-containing materials identified as a result, in accordance with all applicable laws, including OSHA guidelines.



Attorney/Client Privileged

Limitations
December 17, 2014

8.0 Limitations

The conclusions and recommendations contained in this report/assessment are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and existing at this time. The use of this report is subject to the following limitations:

1. The data and findings presented in this report are valid as of the dates when the investigations were performed. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.
2. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Work, budgetary constraints, site access and schedule, as defined in the contract with Stantec.
3. This report is based, in part, on unverified information supplied to Stantec by third party sources, such as regulatory agencies, prior owners or operators of the property, analytical laboratories, subcontractors, etc. Whereas efforts may have been made to substantiate this third party information, Stantec cannot guarantee the completeness or accuracy of this information.
4. The findings, observations and conclusions expressed by Stantec in this report are not, and should not be considered an opinion concerning the compliance of any past or present owner or operator of the Site with any Federal, state or local law or regulation.
5. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon Site conditions in existence at the time of investigation.
6. Stantec reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of federal, state or local governmental agencies. Issues raised by the report should be reviewed by appropriate legal counsel.
7. This report is intended for the sole and exclusive use of Stantec's client. No other person or entity shall be entitled to rely on or use this report without Stantec's expressed written authorization. (Any such written authorization shall involve a "reliance letter" issued at Stantec's discretion and agreed to any executed by such user). If any unauthorized use or reliance occurs, it shall be at the user's sole risk without liability to Stantec.

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

References

December 17, 2014

9.0 References

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOG), Digital Online Mapping System <http://maps.conservation.ca.gov/doms/doms-app.html>

California Department of Conservation, Division of Mines and Geology (CDMG), 2000, Digital Images of Alquist-Priolo Earthquake Fault Zones of California, Central Coast Region, CD 2000-004.

California Department of Toxic Substances Control, 2014. Envirostor website.

California Water Resources Control Board (SWRCB), 2014, GeoTracker Database, website download from <http://geotracker.swrcb.ca.gov/>

Chevron Environmental Management Company, 2014, Comments on the Draft Environmental Impact Report for the Tranquillity Solar Generating Facility Project Historical Pipeline Portfolio—Bakersfield to Richmond. June 20.

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 4144828.5s, dated November 24, 2014.

_____, USGS Aerial Photography, Inquiry Number 4144828.4, dated December 1, 2013.

_____, City Directory Abstract, Inquiry Number 3725142.6, dated September 16, 2013.

_____, Historical Topographic Map Report, Inquiry Number 3725142.4, dated September 12, 2013.

_____, Certified Sanborn Map Report, Inquiry Number 4144828.4, dated December 1, 2014.

Krazan and Associates, Inc., 2011, Phase I Environmental Site Assessment, Highway 33 South of Manning Avenue, Fresno County, California.

Stantec Consulting Services Inc., 2013, Phase I Environmental Site Assessment, RE Tranquillity LLC, Highway 33 South of Manning Avenue, Fresno County, California. September 27.

Stantec Consulting Services Inc., 2014, Phase II Environmental Site Assessment, RE Tranquillity LLC, Westlands Water District-Owned Parcels, Fresno County, California. July 23.

Stantec Consulting Services Inc., 2014, Results of Ground Penetrating Radar Survey of Petroleum Pipeline Easements, RE Tranquillity LLC, Westland Water Parcels, Fresno County, California. July 23.



Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

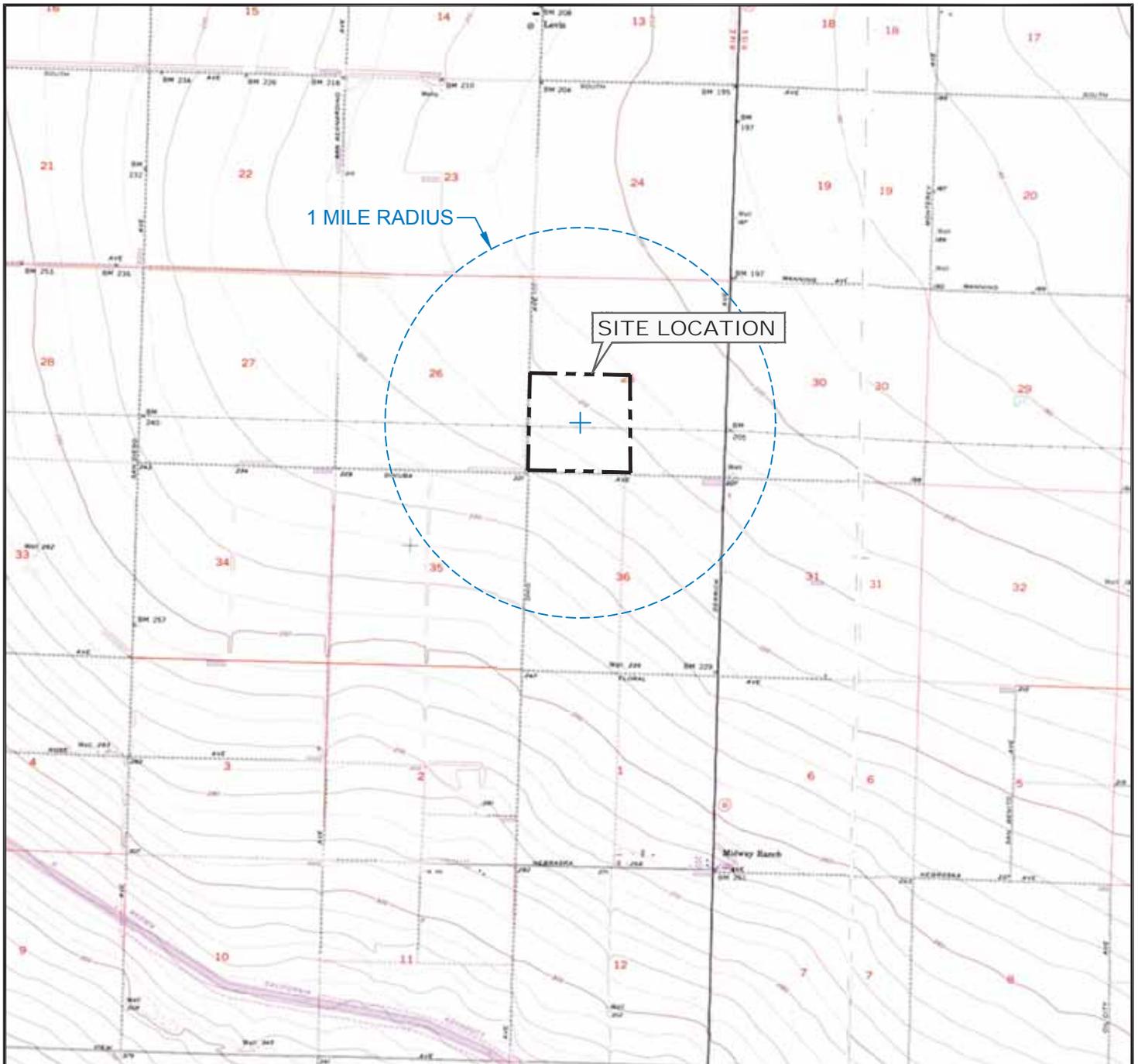
Figures
December 17, 2014

Figures



Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx



CALIFORNIA



SCALE IN MILE

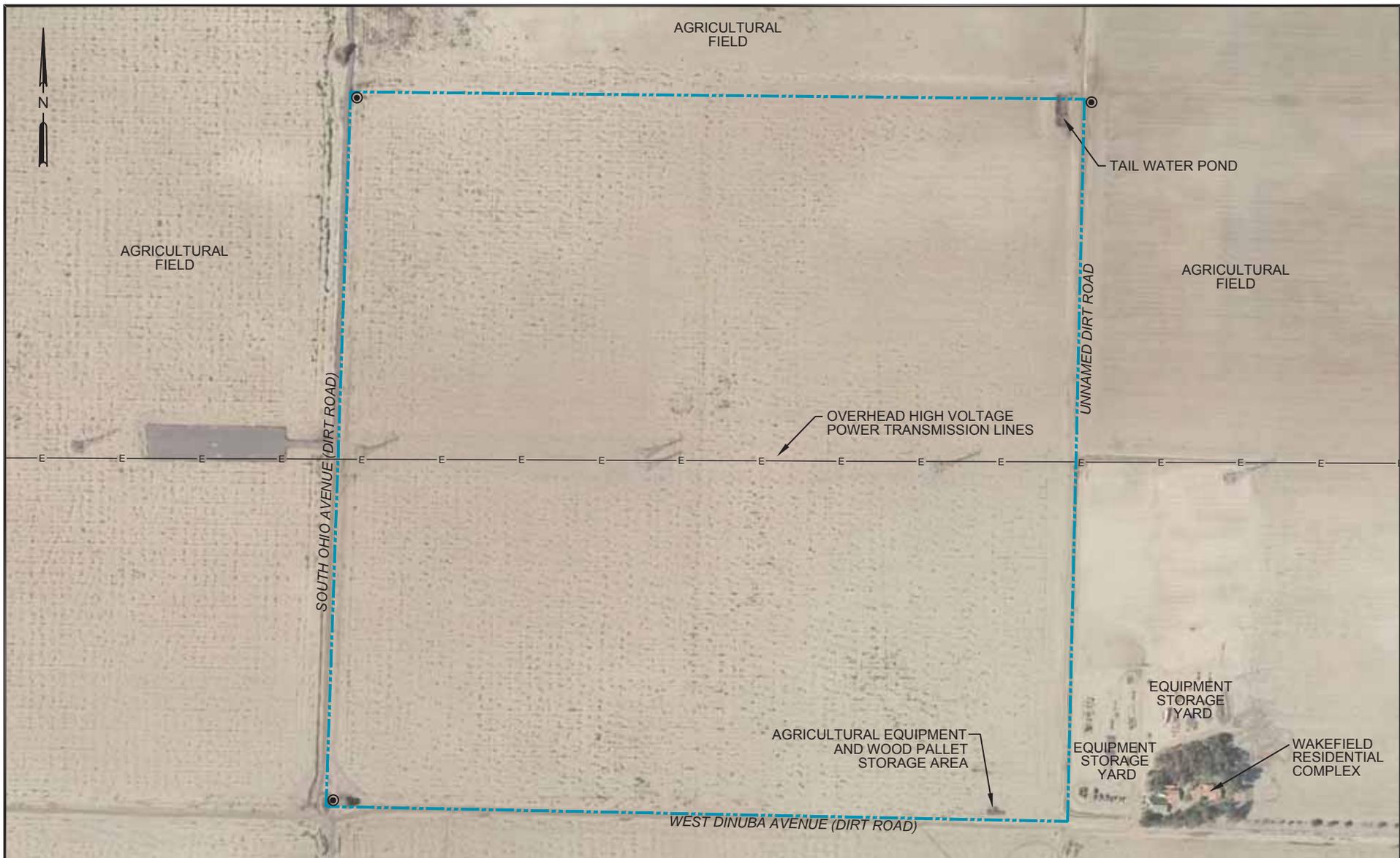


SCALE IN FEET

REFERENCE: CA Digital Raster Graphics (<http://gis.ca.gov/casil/usgs.gov/>)
 7.5 Minute Series, Albers NAD83, Trimmed
 Block o33117e8 & o33117g8, Downloaded 5/14/10

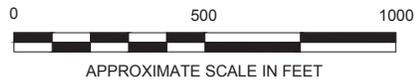
No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

 3475 WEST SHAW AVENUE, SUITE 104 FRESNO, CALIFORNIA PHONE: (559) 271-2650 FAX: (559) 271-5108	FOR: RE Tranquillity BAAH LLC Highway 33 & South of West Manning Ave. Tranquillity, California		SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 185702964	DRAWN BY: J. LIEBERMAN	CHECKED BY: R. CARSON	APPROVED BY: R. CARSON	DATE: DECEMBER 2014



LEGEND:

- - - APPROXIMATE SITE BOUNDARY
- ⊙ WESTLANDS WATER DISTRICT DISTRIBUTION VALVE



No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and or information.

 3475 WEST SHAW AVENUE, SUITE 104 FRESNO, CALIFORNIA PHONE: (559) 271-2650 FAX: (559) 271-5108	FOR: RE Tranquillity BAAH LLC Highway 33 & South of West Manning Ave. Tranquillity, California		SITE MAP		FIGURE: 2
	JOB NUMBER: 185702964	DRAWN BY: J. LIEBERMAN	CHECKED BY: R. CARSON	APPROVED BY: R. CARSON	DATE: DECEMBER 2014



Figure 3

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Appendix A Photographic Log
December 17, 2014

Appendix A Photographic Log



Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185803073
Subject Name: RE Tranquillity BAAH LLC	Location: South Derrick Ave. & West Dinuba Ave. Tranquillity, California
Photographer: Ralph Carson	Date: December 1, 2014

Photograph No. 1



Southeast corner of Site looking west. West Dinuba Avenue is on the left side of photograph. Farm equipment and wood pallet storage area was observed in southeast corner of Site.

Photograph No. 2



Southeast corner of Site looking north along unnamed dirt road. Site is on left side of road. Adjacent Wakefield Property on right side of road. Overhead high voltage transmission lines in background.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185803073
Subject Name: RE Tranquillity BAAH LLC	Location: South Derrick Ave. & West Dinuba Ave. Tranquillity, California
Photographer: Ralph Carson	Date: December 1, 2014

Photograph No. 3



Eastern property line looking west along high voltage overhead transmission line.

Photograph No. 4



Northeast corner of Site looking south along unnamed dirt road. Storm water/tail water pond was observed in the northeast corner of the Site. See close-up in Photograph 5.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185803073
Subject Name: RE Tranquillity BAAH LLC	Location: South Derrick Ave. & West Dinuba Ave. Tranquillity, California
Photographer: Ralph Carson	Date: December 1, 2014

Photograph No. 5



Close-up of storm water/tail water pond in northeast corner of Site. Corrugated metal pipe discharges water into pond, no outlet pipe in pond.

Photograph No. 6



Northeast corner of Site looking west along approximate northern property line. Agricultural field on the adjacent property.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185803073
Subject Name: RE Tranquillity BAAH LLC	Location: South Derrick Ave. & West Dinuba Ave. Tranquillity, California
Photographer: Ralph Carson	Date: December 1, 2014

Photograph No. 7



Farm equipment and wood pallet storage area in southeast corner of Site.

Photograph No. 8



Southwest corner of Site looking east along southern property line. West Dinuba Avenue (dirt road) is shown along the southern property line. Overhead electrical lines and Westlands Water District distribution valve are visible in photograph

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185803073
Subject Name: RE Tranquillity BAAH LLC	Location: South Derrick Ave. & West Dinuba Ave. Tranquillity, California
Photographer: Ralph Carson	Date: December 1, 2014

Photograph No. 9



Southeast corner of Site looking north. South Ohio Avenue (dirt road is visible on left side of photograph). Westlands Water District distribution valve visible in photograph.

Photograph No. 10



Southwest corner of Site looking west along West Dinuba Avenue at adjacent agricultural land.

**STANTEC CONSULTING SERVICES INC.
PHOTOGRAPHIC RECORD**

Client: Recurrent Energy	Job Number: 185803073
Subject Name: RE Tranquillity BAAH LLC	Location: South Derrick Ave. & West Dinuba Ave. Tranquillity, California
Photographer: Ralph Carson	Date: December 1, 2014

Photograph No. 11



Northwest corner of Site looking east along northern portion of property. Westlands Water District distribution valve visible in photograph.

Photograph No. 12



Northwest corner of Site looking west at adjacent agricultural land.

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Appendix B Environmental Database Reports
December 17, 2014

Appendix B Environmental Database Reports



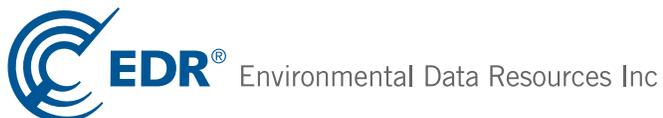
Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx

Tranquillity Switching Station
NEC Dinuba Ave. and Ohio Ave.
Fresno County, CA 93640

Inquiry Number: 4144828.5s
November 24, 2014

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2014 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NEC DINUBA AVE. AND OHIO AVE.
FRESNO County, CA 93640

COORDINATES

Latitude (North): 36.5926000 - 36° 35' 33.36"
Longitude (West): 120.4023000 - 120° 24' 8.28"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 732389.2
UTM Y (Meters): 4052619.2
Elevation: 215 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 36120-E4 LEVIS, CA
Most Recent Revision: 1984

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120622
Source: USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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-SQG..... RCRA - Small 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
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

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

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report

EXECUTIVE SUMMARY

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
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
VCP..... Voluntary Cleanup Program Properties

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
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
WMUDS/SWAT..... Waste Management Unit Database

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 Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database
HIST UST..... Hazardous Substance Storage Container Database
SWEEPS UST..... SWEEPS UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
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
US 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
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
CA BOND EXP. PLAN.....	Bond Expenditure Plan
NPDES.....	NPDES Permits Listing
UIC.....	UIC Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE.....	Hazardous Waste & Substance Site List
CUPA Listings.....	CUPA Resources List
Notify 65.....	Proposition 65 Records
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
WDS.....	Waste Discharge System
Financial Assurance.....	Financial Assurance Information Listing
PROC.....	Certified Processors Database
HWT.....	Registered Hazardous Waste Transporter Database
HWP.....	EnviroStor Permitted Facilities Listing
MWMP.....	Medical Waste Management Program Listing
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
2020 COR ACTION.....	2020 Corrective Action Program List

EXECUTIVE SUMMARY

PRP..... Potentially Responsible Parties
COAL ASH DOE..... Steam-Electric Plant Operation Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank
RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

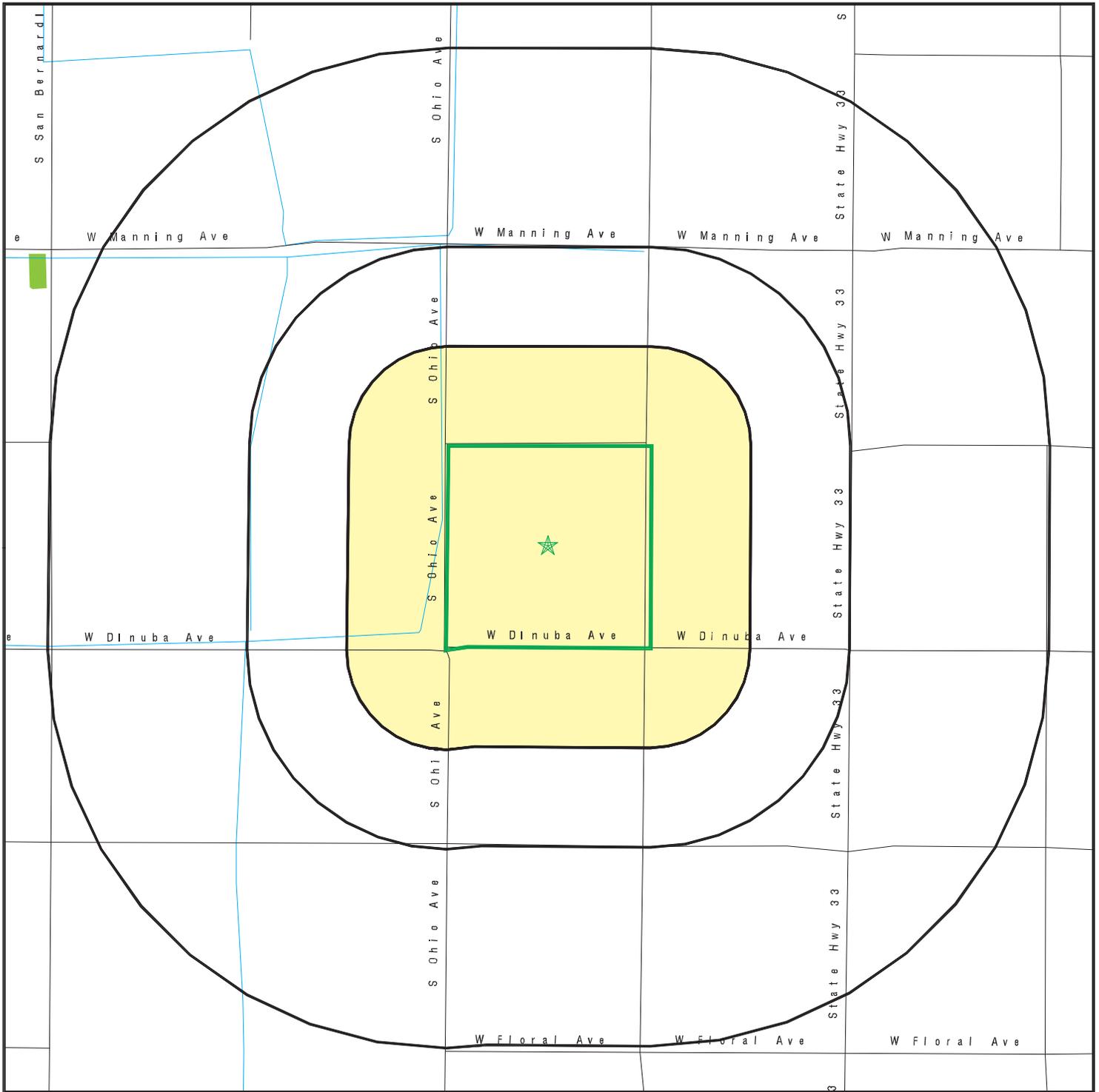
Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4144828.5S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

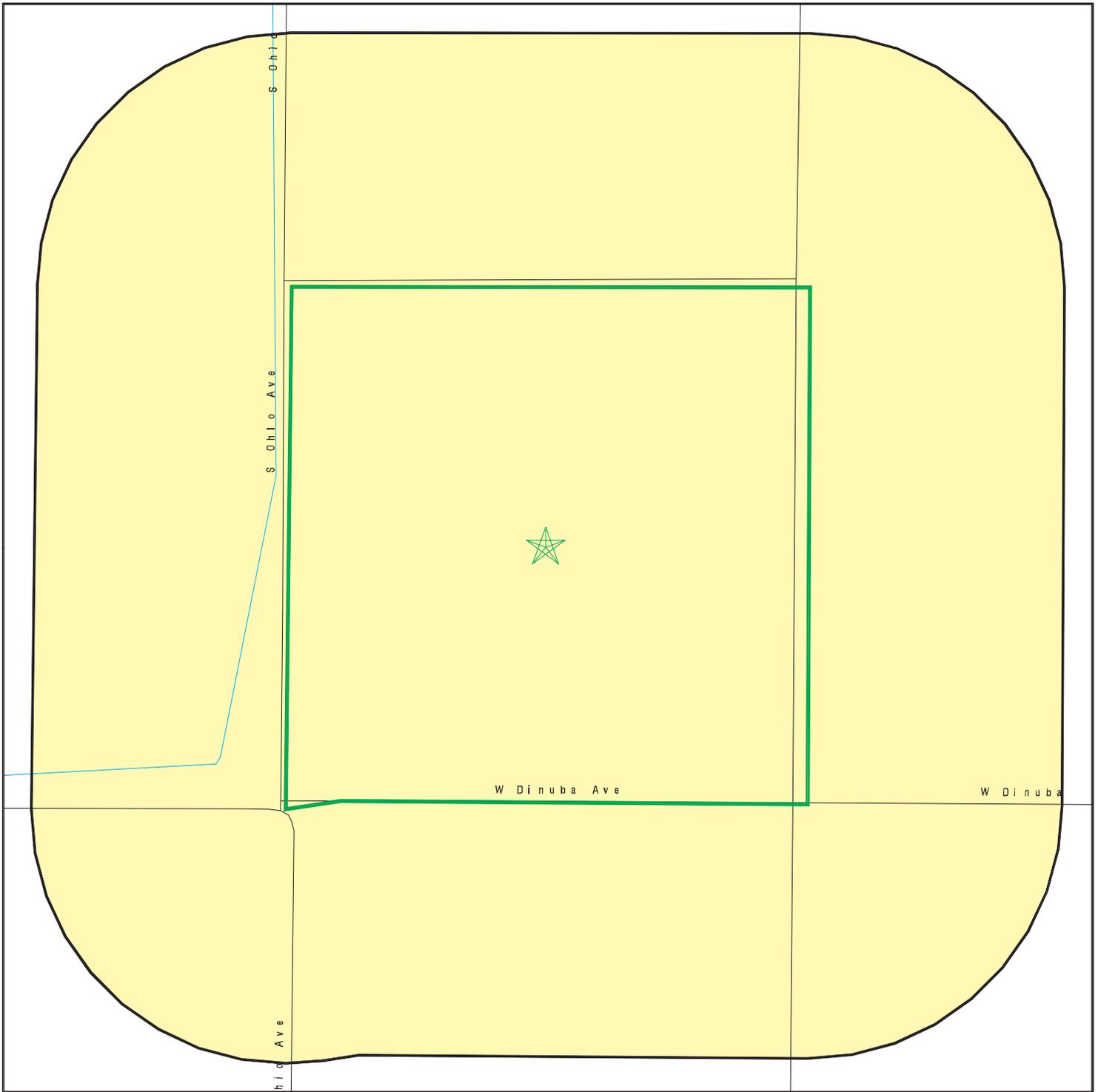


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Tranquillity Switching Station
 ADDRESS: NEC Dinuba Ave. and Ohio Ave.
 Fresno County CA 93640
 LAT/LONG: 36.5926 / 120.4023

CLIENT: Stantec
 CONTACT: Ralph Carson
 INQUIRY #: 4144828.5s
 DATE: November 24, 2014 7:18 pm

DETAIL MAP - 4144828.5S



-  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 from USGS
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



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

SITE NAME: Tranquillity Switching Station
 ADDRESS: NEC Dinuba Ave. and Ohio Ave.
 Fresno County CA 93640
 LAT/LONG: 36.5926 / 120.4023

CLIENT: Stantec
 CONTACT: Ralph Carson
 INQUIRY #: 4144828.5s
 DATE: November 24, 2014 7:18 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
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
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	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
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
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
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
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	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	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
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
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
ENF	TP		NR	NR	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
WDS	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

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: 09/29/2014	Source: EPA
Date Data Arrived at EDR: 10/08/2014	Telephone: N/A
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/19/2015
	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: 09/29/2014	Source: EPA
Date Data Arrived at EDR: 10/08/2014	Telephone: N/A
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/19/2015
	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: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	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: 09/29/2014	Source: EPA
Date Data Arrived at EDR: 10/08/2014	Telephone: N/A
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/19/2015
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	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 Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/07/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/19/2015
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	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: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/12/2015
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: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/12/2015
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: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/12/2015
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: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/12/2015
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: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/12/2015
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: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/22/2014
	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: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/22/2014
	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: 08/29/2014	Source: Department of the Navy
Date Data Arrived at EDR: 10/09/2014	Telephone: 843-820-7326
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/17/2014
Number of Days to Update: 11	Next Scheduled EDR Contact: 03/02/2015
	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: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/12/2015
	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: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 11/04/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 02/16/2015
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 11/04/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 02/16/2015
	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: 08/18/2014	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 08/18/2014	Telephone: 916-341-6320
Date Made Active in Reports: 10/03/2014	Last EDR Contact: 11/19/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 03/02/2015
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

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

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	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	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

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

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/15/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2014	Telephone: see region list
Date Made Active in Reports: 10/27/2014	Last EDR Contact: 10/30/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

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

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

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

Date of Government Version: 09/15/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2014	Telephone: 866-480-1028
Date Made Active in Reports: 10/23/2014	Last EDR Contact: 10/30/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
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.

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: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
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: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
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: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 19

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
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: 11/04/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 10

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

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: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 11/05/2014	Telephone: 312-886-7439
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 12	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/20/2014	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/17/2014	Source: SWRCB
Date Data Arrived at EDR: 09/17/2014	Telephone: 916-341-5851
Date Made Active in Reports: 10/24/2014	Last EDR Contact: 09/19/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 10/03/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/12/2015
	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: 11/04/2014	Source: EPA Region 8
Date Data Arrived at EDR: 11/07/2014	Telephone: 303-312-6137
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/09/2015
	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: 08/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 08/22/2014	Telephone: 913-551-7003
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
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).

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 8

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

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: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
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: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

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: 11/03/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 12

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
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: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 08/05/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 09/26/2014
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
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: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014
Date Data Arrived at EDR: 09/23/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/24/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: No Update Planned

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

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/08/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 43

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/12/2014
Next Scheduled EDR Contact: 03/02/2015
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/29/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/25/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/09/2014	Telephone: 202-307-1000
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/15/2014
	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.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	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: 08/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 11/04/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 02/16/2015
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	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: 06/30/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/02/2014	Telephone: 916-255-6504
Date Made Active in Reports: 09/24/2014	Last EDR Contact: 10/10/2014
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/25/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/09/2014	Telephone: 202-307-1000
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/15/2014
	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 08/28/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/15/2014
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
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: 10/02/2014
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

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: 09/08/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 42

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
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: 09/30/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
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: 06/26/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 09/15/2014
Number of Days to Update: 49

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/29/2014
Next Scheduled EDR Contact: 02/09/2015
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: 09/15/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 35

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 10/30/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/15/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/17/2014	Telephone: 866-480-1028
Date Made Active in Reports: 10/23/2014	Last EDR Contact: 10/30/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: 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: 06/10/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2014	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 11/07/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/12/2015
	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: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/04/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/16/2015
	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: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/07/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/26/2015
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
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: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2014
Next Scheduled EDR Contact: 01/12/2015
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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/09/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

US 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: 08/05/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 74

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/04/2014
Next Scheduled EDR Contact: 12/15/2014
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: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/26/2014
Next Scheduled EDR Contact: 01/05/2015
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 07/31/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
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: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
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: 10/07/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/08/2014
Next Scheduled EDR Contact: 01/19/2015
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: 08/16/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/12/2014	Telephone: 202-564-8600
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 86	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/29/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/14/2014	Source: Department of Conservation
Date Data Arrived at EDR: 09/17/2014	Telephone: 916-445-2408
Date Made Active in Reports: 10/23/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/18/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/18/2014	Telephone: 916-445-9379
Date Made Active in Reports: 10/06/2014	Last EDR Contact: 11/19/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/02/2015
	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).

Date of Government Version: 09/29/2014	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/30/2014	Telephone: 916-323-3400
Date Made Active in Reports: 11/19/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 50	Next Scheduled EDR Contact: 01/12/2015
	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 [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 09/22/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: No Update Planned

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: 06/28/2014	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 07/03/2014	Telephone: 916-327-4498
Date Made Active in Reports: 08/21/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/22/2014
	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/29/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/11/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/12/2014	Telephone: 916-445-9379
Date Made Active in Reports: 09/30/2014	Last EDR Contact: 11/07/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/09/2015
	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: 12/31/2013	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/15/2014	Telephone: 916-255-1136
Date Made Active in Reports: 11/19/2014	Last EDR Contact: 10/15/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/26/2015
	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: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 09/26/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/05/2015
	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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/07/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/26/2015
	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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/18/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/02/2015
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/19/2014
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/09/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/07/2014
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/26/2015
	Data Release Frequency: N/A

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 11/14/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/23/2015
	Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 3	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/14/2014
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/23/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/17/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/17/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/31/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 09/26/2014
Number of Days to Update: 52

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

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.

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/18/2014
Date Made Active in Reports: 10/06/2014
Number of Days to Update: 49

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/14/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/11/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/26/2014
Date Data Arrived at EDR: 08/26/2014
Date Made Active in Reports: 10/06/2014
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

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: 10/14/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Quarterly

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: 10/17/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

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: 08/20/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/23/2014
Number of Days to Update: 43

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014

Date Data Arrived at EDR: 06/12/2014

Date Made Active in Reports: 07/28/2014

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 703-603-8787

Last EDR Contact: 10/06/2014

Next Scheduled EDR Contact: 01/19/2015

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

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

Date of Government Version: 07/25/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/28/2014	Telephone: 510-567-6700
Date Made Active in Reports: 09/15/2014	Last EDR Contact: 09/29/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 07/28/2014	Telephone: 510-567-6700
Date Made Active in Reports: 08/20/2014	Last EDR Contact: 09/29/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 09/08/2014	Source: Amador County Environmental Health
Date Data Arrived at EDR: 09/09/2014	Telephone: 209-223-6439
Date Made Active in Reports: 09/24/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 11/06/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/07/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 43

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/11/2014
Date Data Arrived at EDR: 08/14/2014
Date Made Active in Reports: 10/09/2014
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 07/31/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 09/26/2014
Number of Days to Update: 52

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/25/2014
Date Data Arrived at EDR: 08/26/2014
Date Made Active in Reports: 09/29/2014
Number of Days to Update: 34

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

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: 09/30/2014
Date Data Arrived at EDR: 10/14/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 36

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/10/2014
Date Data Arrived at EDR: 09/11/2014
Date Made Active in Reports: 09/25/2014
Number of Days to Update: 14

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 07/28/2014
Date Data Arrived at EDR: 07/30/2014
Date Made Active in Reports: 09/15/2014
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/21/2014
Date Data Arrived at EDR: 08/26/2014
Date Made Active in Reports: 09/29/2014
Number of Days to Update: 34

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/23/2014
Date Data Arrived at EDR: 07/25/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 28

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

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

Date of Government Version: 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: 09/22/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 41

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/14/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/21/2014
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/19/2014
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/22/2014
Next Scheduled EDR Contact: 02/02/2015
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: 10/17/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

Site Mitigation List

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

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/17/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/23/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 23

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
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: 07/28/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 23

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/02/2014
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 48

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/02/2014
Date Data Arrived at EDR: 07/07/2014
Date Made Active in Reports: 08/18/2014
Number of Days to Update: 42

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 08/26/2014
Date Made Active in Reports: 09/30/2014
Number of Days to Update: 35

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 09/02/2014
Date Data Arrived at EDR: 09/05/2014
Date Made Active in Reports: 09/24/2014
Number of Days to Update: 19

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 09/02/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/28/2014
Next Scheduled EDR Contact: 12/15/2014
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: 08/28/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/18/2014
Date Made Active in Reports: 09/25/2014
Number of Days to Update: 7

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 52

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 09/26/2014
Number of Days to Update: 45

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/20/2014
Number of Days to Update: 8

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/10/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/22/2014
Date Data Arrived at EDR: 09/23/2014
Date Made Active in Reports: 11/21/2014
Number of Days to Update: 59

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 09/22/2014
Next Scheduled EDR Contact: 12/22/2014
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: 10/08/2014
Date Data Arrived at EDR: 10/10/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/22/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/11/2014
Date Made Active in Reports: 08/18/2014
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/22/2014
Next Scheduled EDR Contact: 01/05/2015
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: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
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: 05/05/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 11

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/21/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/06/2014
Date Data Arrived at EDR: 08/07/2014
Date Made Active in Reports: 09/30/2014
Number of Days to Update: 54

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/10/2014
Next Scheduled EDR Contact: 02/23/2015
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: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 10/21/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
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: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: No Update Planned

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: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

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

Date of Government Version: 06/20/2014
Date Data Arrived at EDR: 06/23/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 18

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/22/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/22/2014
Date Data Arrived at EDR: 08/26/2014
Date Made Active in Reports: 10/01/2014
Number of Days to Update: 36

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

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

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/10/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 40

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 09/15/2014
Date Data Arrived at EDR: 09/16/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/22/2014
Date Data Arrived at EDR: 08/26/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

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

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

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
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: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/02/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/18/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 46

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 09/09/2014
Date Data Arrived at EDR: 09/11/2014
Date Made Active in Reports: 09/25/2014
Number of Days to Update: 34

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/18/2014
Date Made Active in Reports: 10/22/2014
Number of Days to Update: 34

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

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

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 10/02/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 49

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

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

Date of Government Version: 10/01/2014
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 11/20/2014
Number of Days to Update: 48

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/08/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/24/2014
Number of Days to Update: 45

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 49

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 07/28/2014	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 08/18/2014	Telephone: 805-654-2813
Date Made Active in Reports: 09/26/2014	Last EDR Contact: 11/17/2014
Number of Days to Update: 39	Next Scheduled EDR Contact: 03/02/2015
	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: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 10/03/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/12/2015
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/17/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/02/2015
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 06/26/2014	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 07/31/2014	Telephone: 805-654-2813
Date Made Active in Reports: 09/15/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 02/09/2015
	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: 08/26/2014	Source: Environmental Health Division
Date Data Arrived at EDR: 09/17/2014	Telephone: 805-654-2813
Date Made Active in Reports: 10/28/2014	Last EDR Contact: 09/17/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/29/2014
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2014	Source: Yolo County Department of Health
Date Data Arrived at EDR: 07/07/2014	Telephone: 530-666-8646
Date Made Active in Reports: 08/18/2014	Last EDR Contact: 09/22/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/05/2014
Date Data Arrived at EDR: 08/07/2014
Date Made Active in Reports: 10/06/2014
Number of Days to Update: 60

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

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

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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
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: 08/01/2014
Date Data Arrived at EDR: 08/07/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 71

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
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.

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

AHA Hospitals:

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

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

Medical Centers: Provider of Services Listing

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

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

Nursing Homes

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

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

Public Schools

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

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

Private Schools

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

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

Daycare Centers: Licensed Facilities

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

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TRANQUILLITY SWITCHING STATION
NEC DINUBA AVE. AND OHIO AVE.
FRESNO COUNTY, CA 93640

TARGET PROPERTY COORDINATES

Latitude (North):	36.5926 - 36° 35' 33.36"
Longitude (West):	120.4023 - 120° 24' 8.28"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	732389.2
UTM Y (Meters):	4052619.2
Elevation:	215 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36120-E4 LEVIS, CA
Most Recent Revision:	1984

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 principal 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).

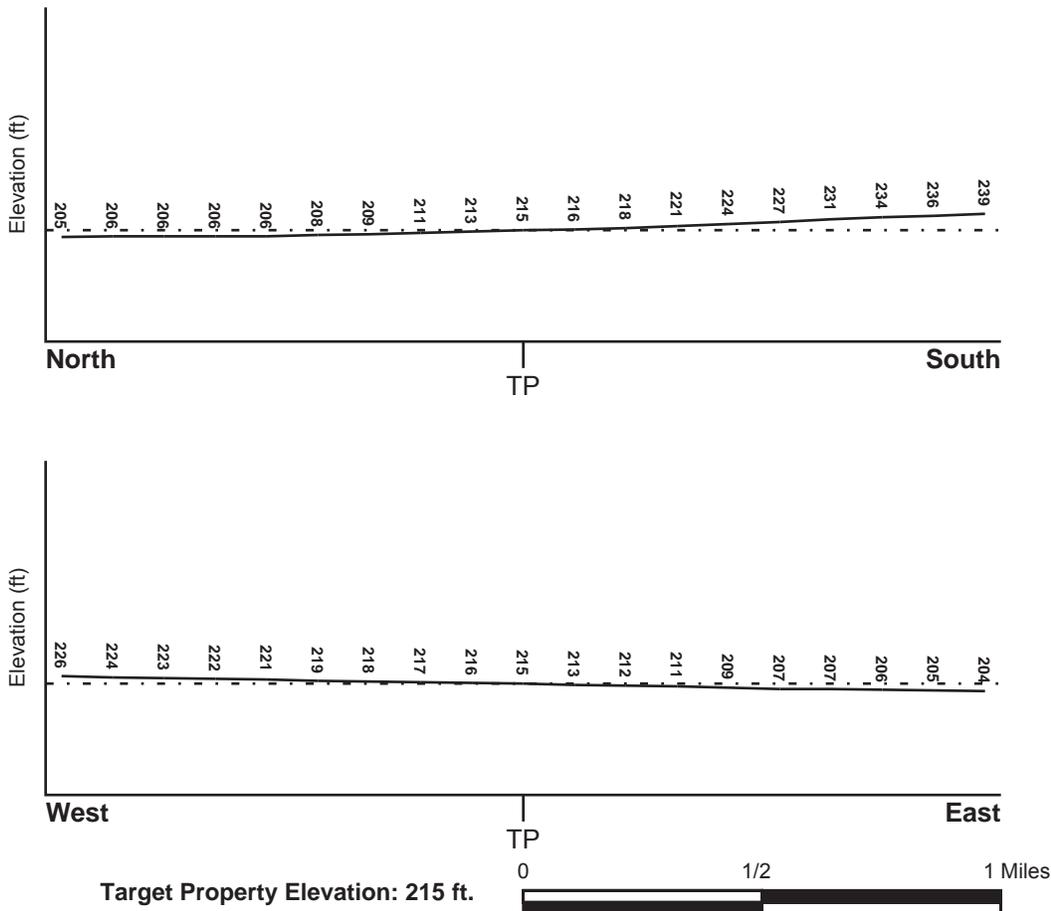
TOPOGRAPHIC INFORMATION

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

<u>Target Property County</u> FRESNO, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06019C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> LEVIS	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	--

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

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

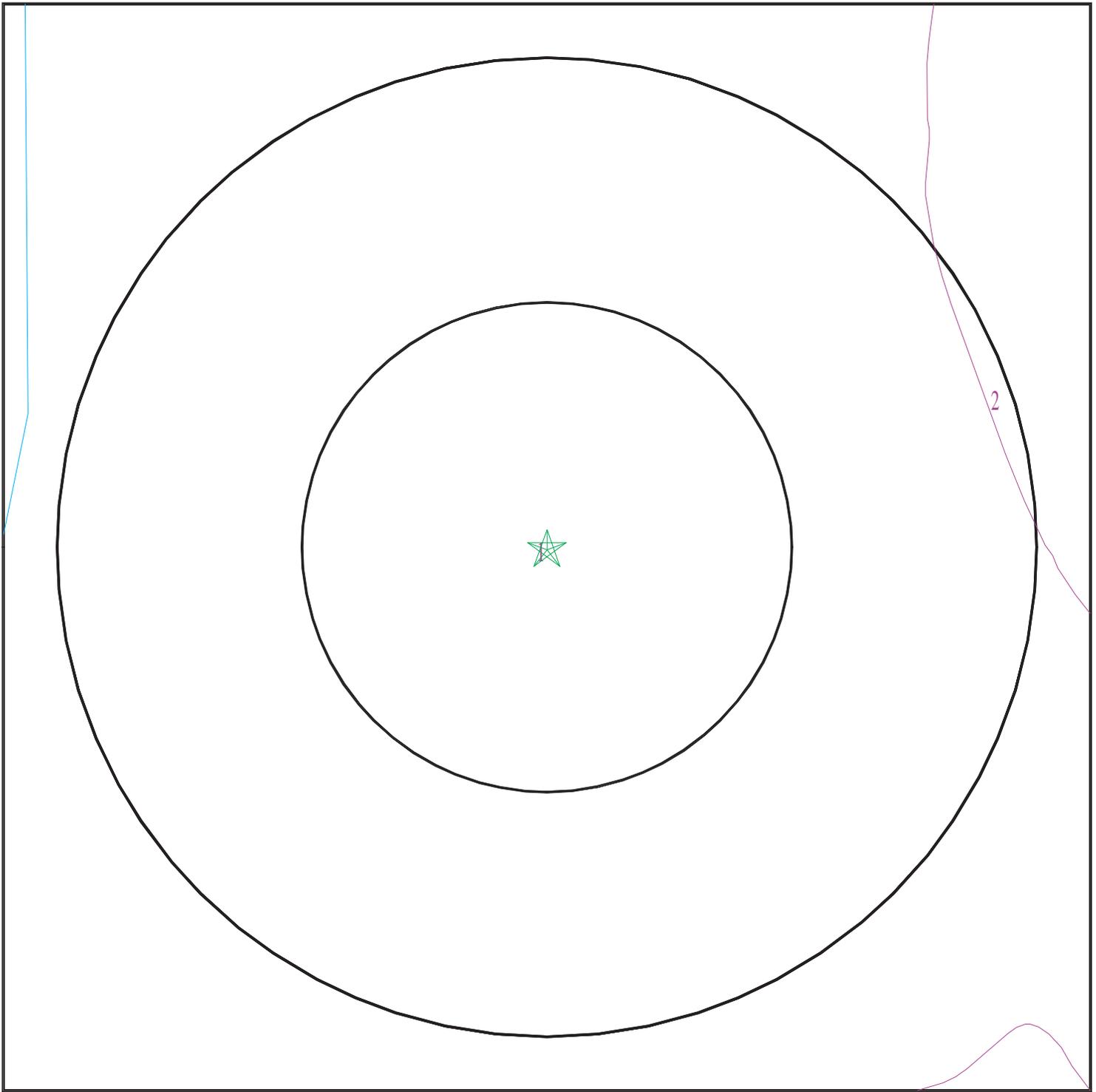
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

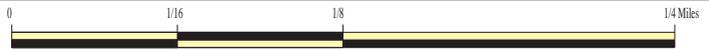
Category: Stratified Sequence

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 - 4144828.5s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Tranquillity Switching Station
ADDRESS: NEC Dinuba Ave. and Ohio Ave.
Fresno County CA 93640
LAT/LONG: 36.5926 / 120.4023

CLIENT: Stantec
CONTACT: Ralph Carson
INQUIRY #: 4144828.5s
DATE: November 24, 2014 7:18 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: CALFLAX

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 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	7 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	7 inches	25 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	25 inches	33 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
4	33 inches	46 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 9 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 9 Min: 7.9

Soil Map ID: 2

Soil Component Name: TRANQUILLITY

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: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 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	30 inches	48 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: 0.42 Min: 0.02	Max: 8.4 Min: 7.9
2	0 inches	5 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: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	5 inches	15 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: 7.9
4	15 inches	30 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: 0.42 Min: 0.02	Max: 8.4 Min: 7.9
5	48 inches	64 inches	silty 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: 0.42 Min: 0.02	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS40000175087	1/2 - 1 Mile ESE
3	USGS40000175937	1/2 - 1 Mile NNW
B4	USGS40000175082	1/2 - 1 Mile WSW
D9	USGS40000175095	1/2 - 1 Mile ESE
D10	USGS40000175096	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C11	USGS40000175242	1/2 - 1 Mile NNW
E13	USGS40000175086	1/2 - 1 Mile ESE

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

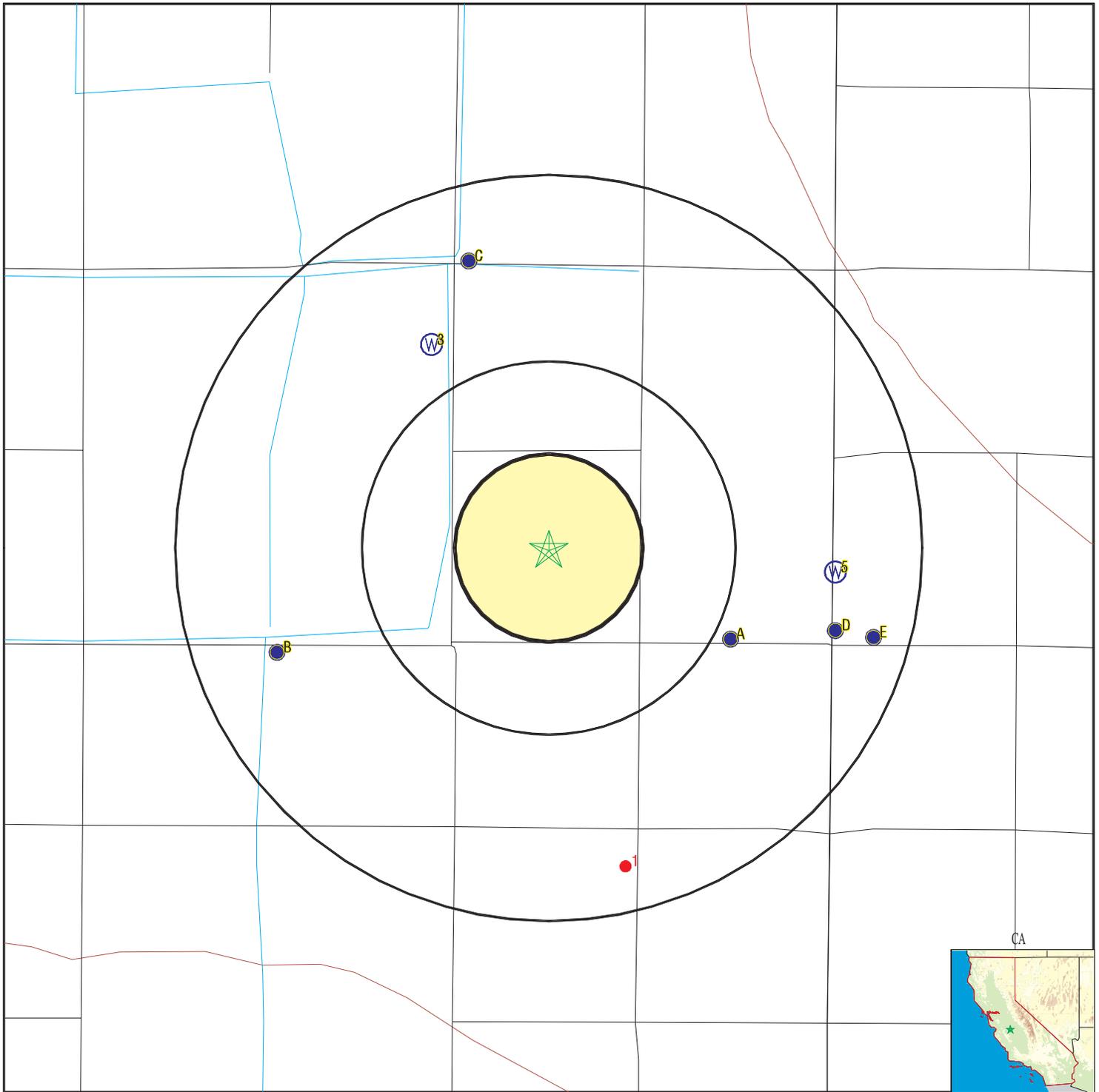
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	CADW50000022920	1/2 - 1 Mile ESE
5	CADW50000022952	1/2 - 1 Mile East
B6	CADW50000022902	1/2 - 1 Mile WSW
C7	CADW50000023031	1/2 - 1 Mile NNW
D8	CADW50000022935	1/2 - 1 Mile ESE
E12	CADW50000022926	1/2 - 1 Mile ESE
E14	CADW50000022922	1/2 - 1 Mile ESE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG9A000204741	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 4144828.5s



- 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: Tranquillity Switching Station
 ADDRESS: NEC Dinuba Ave. and Ohio Ave.
 Fresno County CA 93640
 LAT/LONG: 36.5926 / 120.4023

CLIENT: Stantec
 CONTACT: Ralph Carson
 INQUIRY #: 4144828.5s
 DATE: November 24, 2014 7:18 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000175087

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363521120233401		
Monloc name:	015S014E25Q001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5891172
Longitude:	-120.3937736	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	210.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19560101	Welldepth:	800
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	212.00	

A2
ESE
1/2 - 1 Mile
Lower

CA WELLS CADW50000022920

Latitude :	36.589006		
Longitude :	120.393317		
Site code:	365892N1203935W001	Casgem sta:	15S14E25Q001M
Local well:	15S/14E-25Q01	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000022920

3
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000175937

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363902120242532		
Monloc name:	015S014E02 MF-6.40		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.600506
Longitude:	-120.4079413	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	210
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860205	Welldepth:	40
Welldepth units:	ft	Wellholedepth:	40
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B4
WSW
1/2 - 1 Mile
Higher

FED USGS USGS40000175082

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363519120245101		
Monloc name:	015S014E35B001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5885616
Longitude:	-120.4151633	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	226.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19610101	Welldepth:	1130
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-10-01	435.00	

**5
East
1/2 - 1 Mile
Lower**

CA WELLS CADW50000022952

Latitude :	36.591666		
Longitude :	120.3885		
Site code:	365917N1203885W001	Casgem sta:	15S15E30N005M
Local well:	15S/15E-30N05	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000022952

**B6
WSW
1/2 - 1 Mile
Higher**

CA WELLS CADW50000022902

Latitude :	36.588538		
Longitude :	120.415588		
Site code:	365886N1204154W001	Casgem sta:	15S14E35B001M
Local well:	15S/14E-35B01	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000022902

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

CA WELLS CADW50000023031

Latitude :	36.603671		
Longitude :	120.406296		
Site code:	366039N1204068W001	Casgem sta:	15S14E24N001M
Local well:	15S/14E-24N01	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000023031

**D8
ESE
1/2 - 1 Mile
Lower**

CA WELLS CADW50000022935

Latitude :	36.5894		
Longitude :	120.3885		
Site code:	365894N1203885W001	Casgem sta:	15S15E30N001M
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000022935

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D9
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000175095

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363522120231501		
Monloc name:	015S015E30N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.589395
Longitude:	-120.3884956	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	206.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	Not Reported	Welldepth:	Not Reported
Wellholedepth units:	Not Reported	Wellholedepth:	Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1959-05-01	170.00	

D10
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000175096

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363522120231502		
Monloc name:	015S015E19N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.589395
Longitude:	-120.3884956	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	197
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	828
Construction date:	19480224	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C11
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000175242

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363614120241801		
Monloc name:	015S014E24N001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.6038394
Longitude:	-120.4059969	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	204.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19580101	Welldepth:	995
Welldepth units:	ft	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-05-01	200.00	

E12
ESE
1/2 - 1 Mile
Lower

CA WELLS CADW50000022926

Latitude :	36.5892		
Longitude :	120.3871		
Site code:	365892N1203871W001	Casgem sta:	15S15E30N002M
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000022926

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E13
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000175086

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-363521120231001		
Monloc name:	015S015E30N002M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18030012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.5891172
Longitude:	-120.3871067	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	206.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Central Valley aquifer system		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19530420	Welldepth:	805
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1958-05-01	182.00	

E14
ESE
1/2 - 1 Mile
Lower

CA WELLS CADW50000022922

Latitude :	36.589067		
Longitude :	120.385779		
Site code:	365892N1203857W001	Casgem sta:	15S15E30N004M
Local well:	15S/15E-30N04	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000022922

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE
1/2 - 1 Mile

OIL_GAS CAOG9A000204741

Districtnu:	5	Apinumber:	01922056
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Cabot Petro. Corp.		
Countyname:	Fresno	Fieldname:	Any Field
Areaname:	Any Area		
Section:	36		
Township:	15S	Range:	14E
Basemeridi:	MD	Elevation:	Not Reported
Locationde:	Fr ctr 500 Sly 500 Wly		
Glat:	36.58023		
Glong:	-120.398608		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Sumner Peck Ranch	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	/ /	Completion:	/ /
Gissymbol:	PDH	Site id:	CAOG9A000204741

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93640	2	0

Federal EPA Radon Zone for FRESNO County: 2

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

Federal Area Radon Information for Zip Code: 93640

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.400 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 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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 Public Health

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

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



Tranquillity Switching Station

NEC Dinuba Ave. and Ohio Ave.
Fresno County, CA 93640

Inquiry Number: 4144828.4

December 01, 2014

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

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.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2014 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

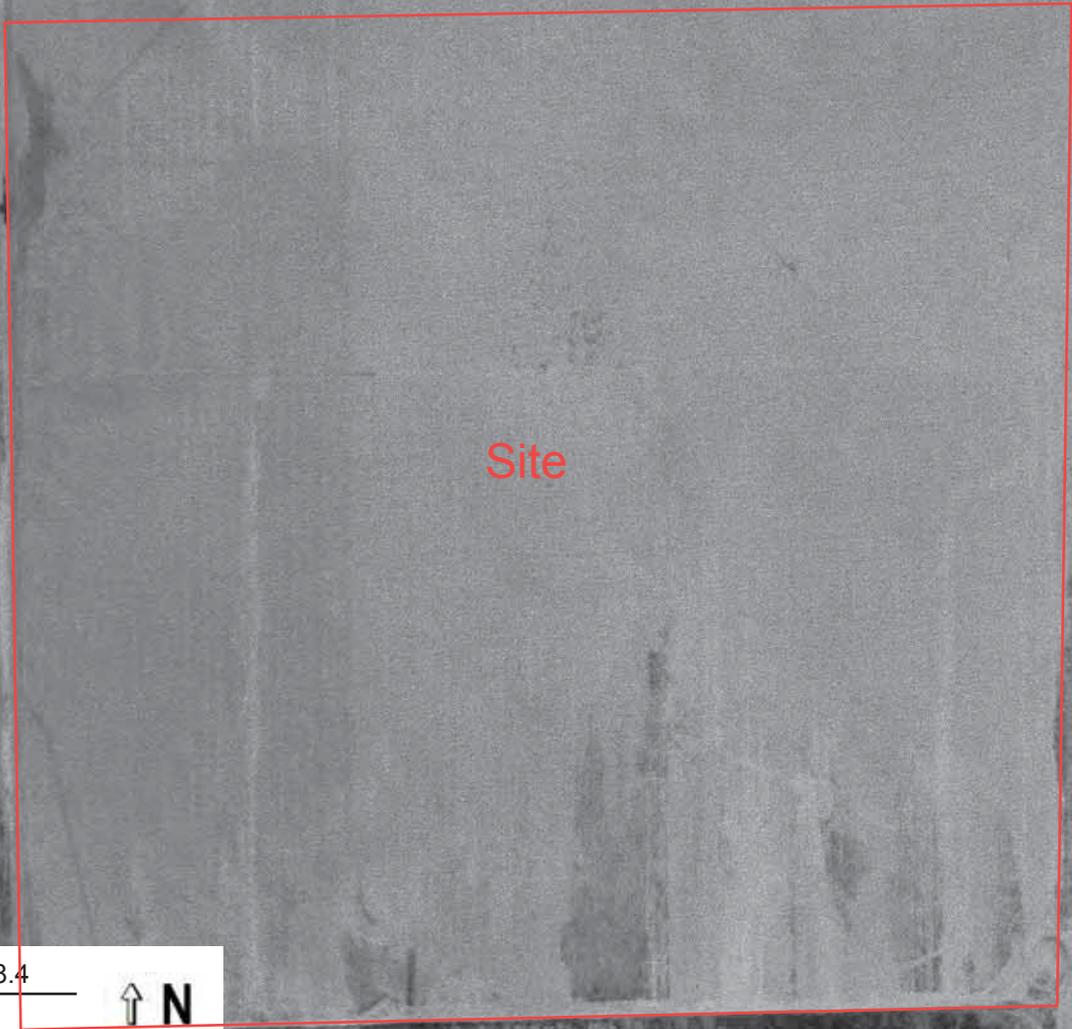
Aerial Photography December 01, 2014

Target Property:

NEC Dinuba Ave. and Ohio Ave.

Fresno County, CA 93640

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	USGS
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	USGS
1965	Aerial Photograph. Scale: 1"=500'	Flight Year: 1965	Cartwright
1971	Aerial Photograph. Scale: 1"=500'	Flight Year: 1971	USGS
1981	Aerial Photograph. Scale: 1"=500'	Flight Year: 1981 Best Copy Available from original source	USGS
1998	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1998	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



Site

INQUIRY #: 4144828.4

YEAR: 1946

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 1955

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 1965

| = 500'





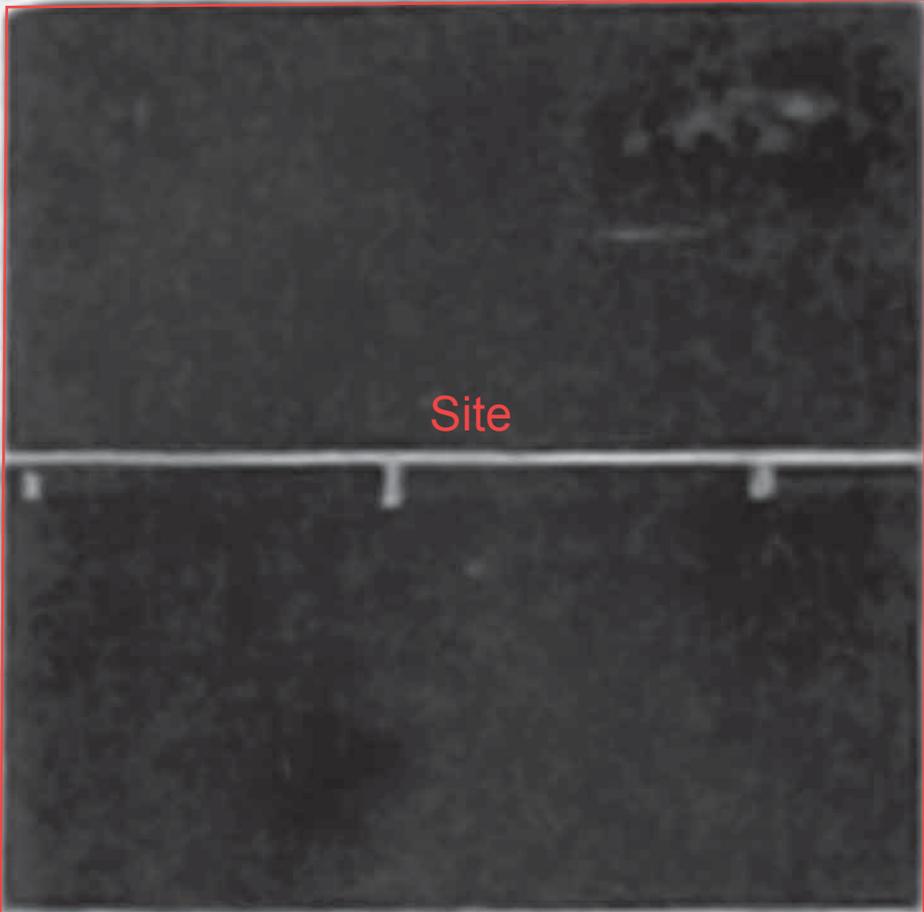
Site

INQUIRY #: 4144828.4

YEAR: 1971

| = 500'





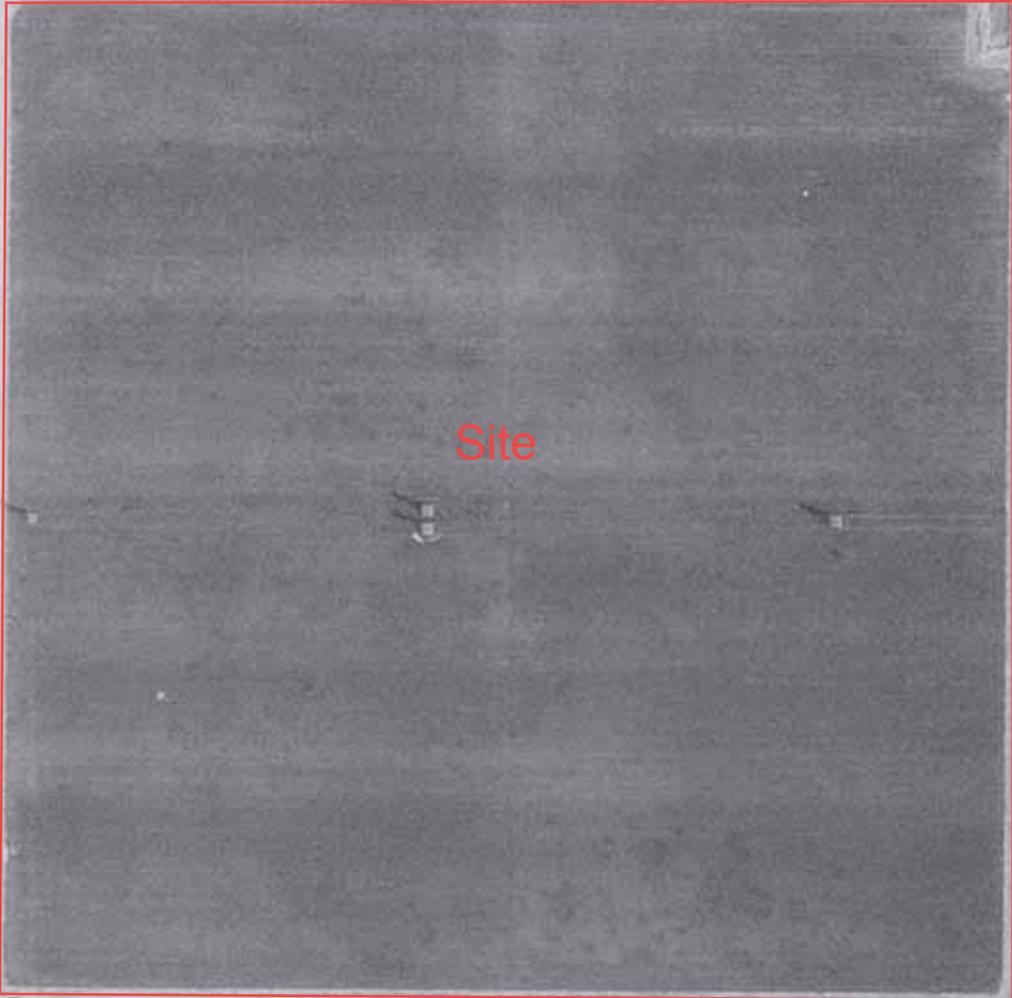
Site

INQUIRY #: 4144828.4

YEAR: 1981

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 1998

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 2005

| = 500'





INQUIRY #: 4144828.4

YEAR: 2006

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 2009

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 2010

| = 500'





Site

INQUIRY #: 4144828.4

YEAR: 2012

| = 500'



33578 West Dinuba Ave

33578 West Dinuba Ave

Mendota, CA 93640

Inquiry Number: 3725142.4

September 12, 2013

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.

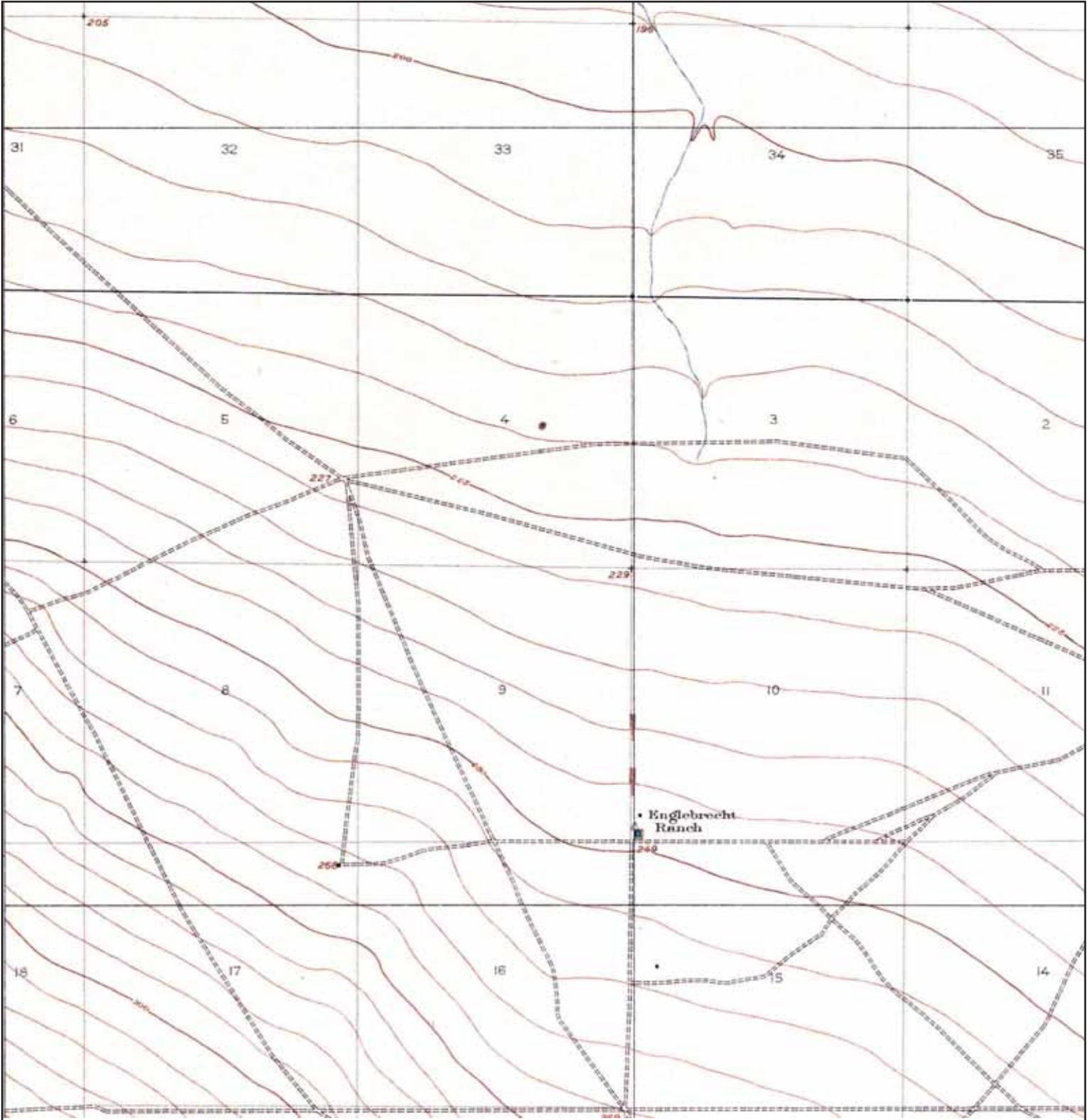
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

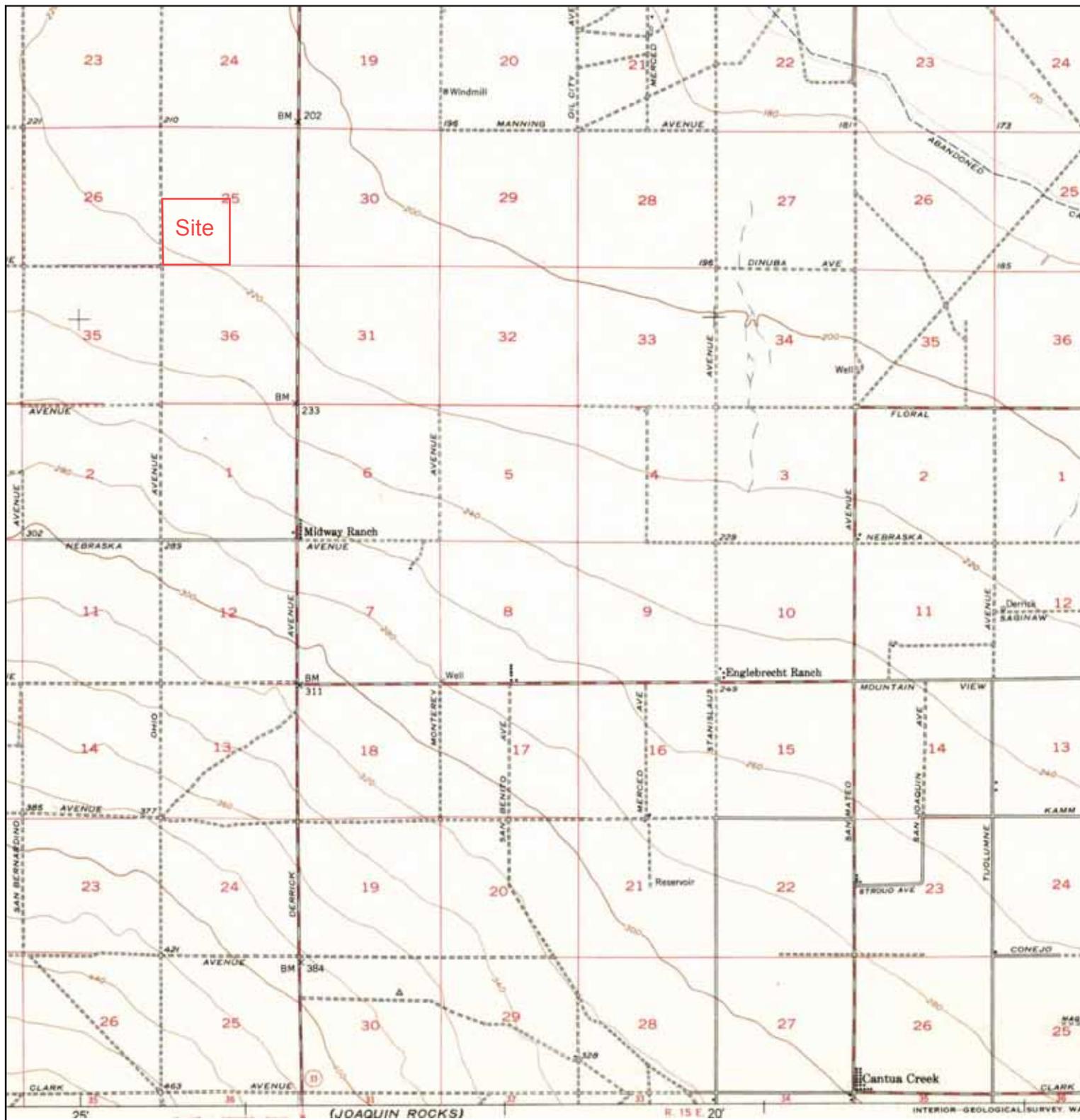
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



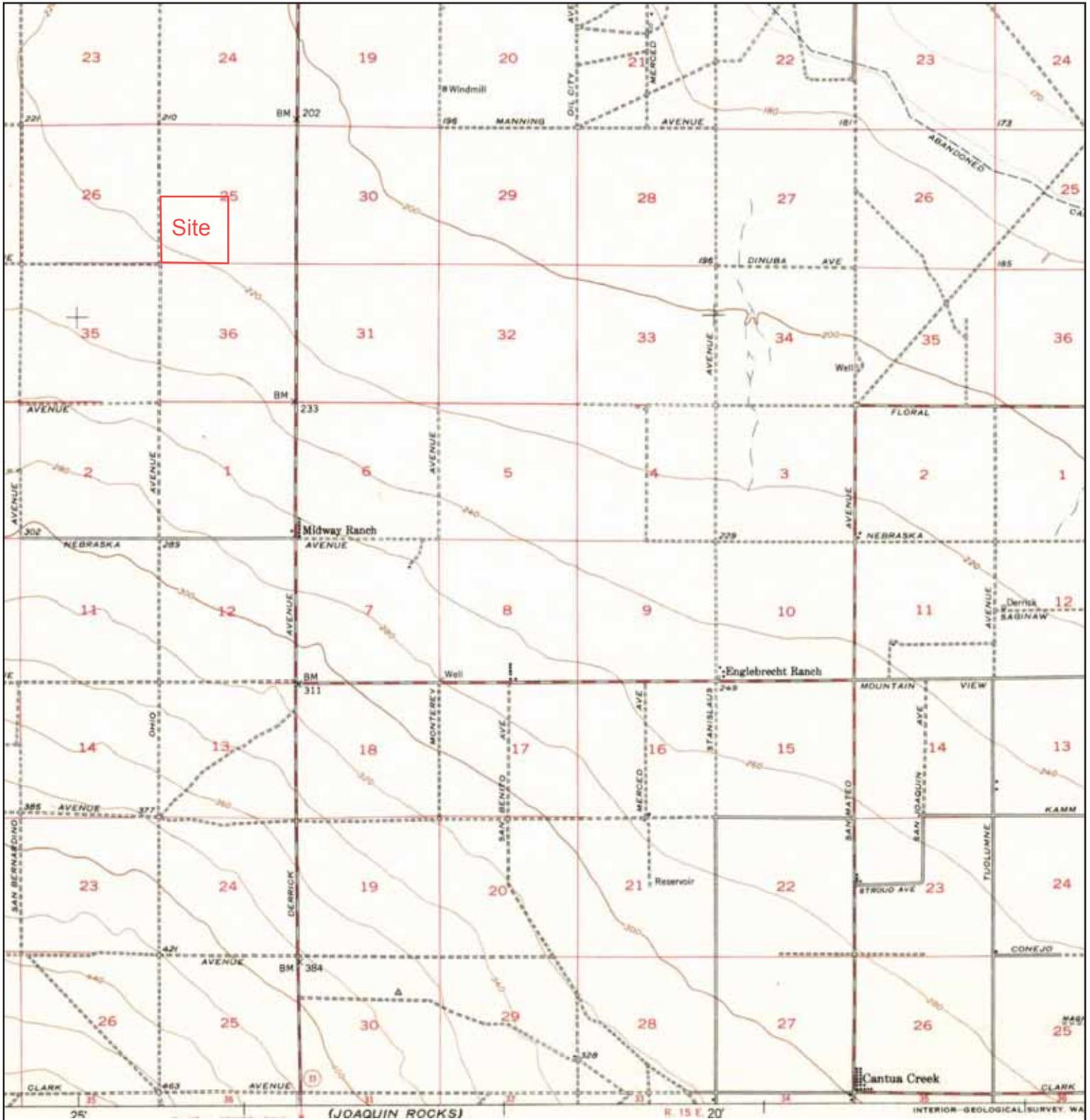
	TARGET QUAD	SITE NAME: 33578 West Dinuba Ave	CLIENT: Stantec
	NAME: ENGLEBRECHT RANCH	ADDRESS: 33578 West Dinuba Ave	CONTACT: Dion Monge
	MAP YEAR: 1923	Mendota, CA 93640	INQUIRY#: 3725142.4
	SERIES: 7.5	LAT/LONG: 36.5768 / -120.3935	RESEARCH DATE: 09/12/2013
	SCALE: 1:31680		

Historical Topographic Map



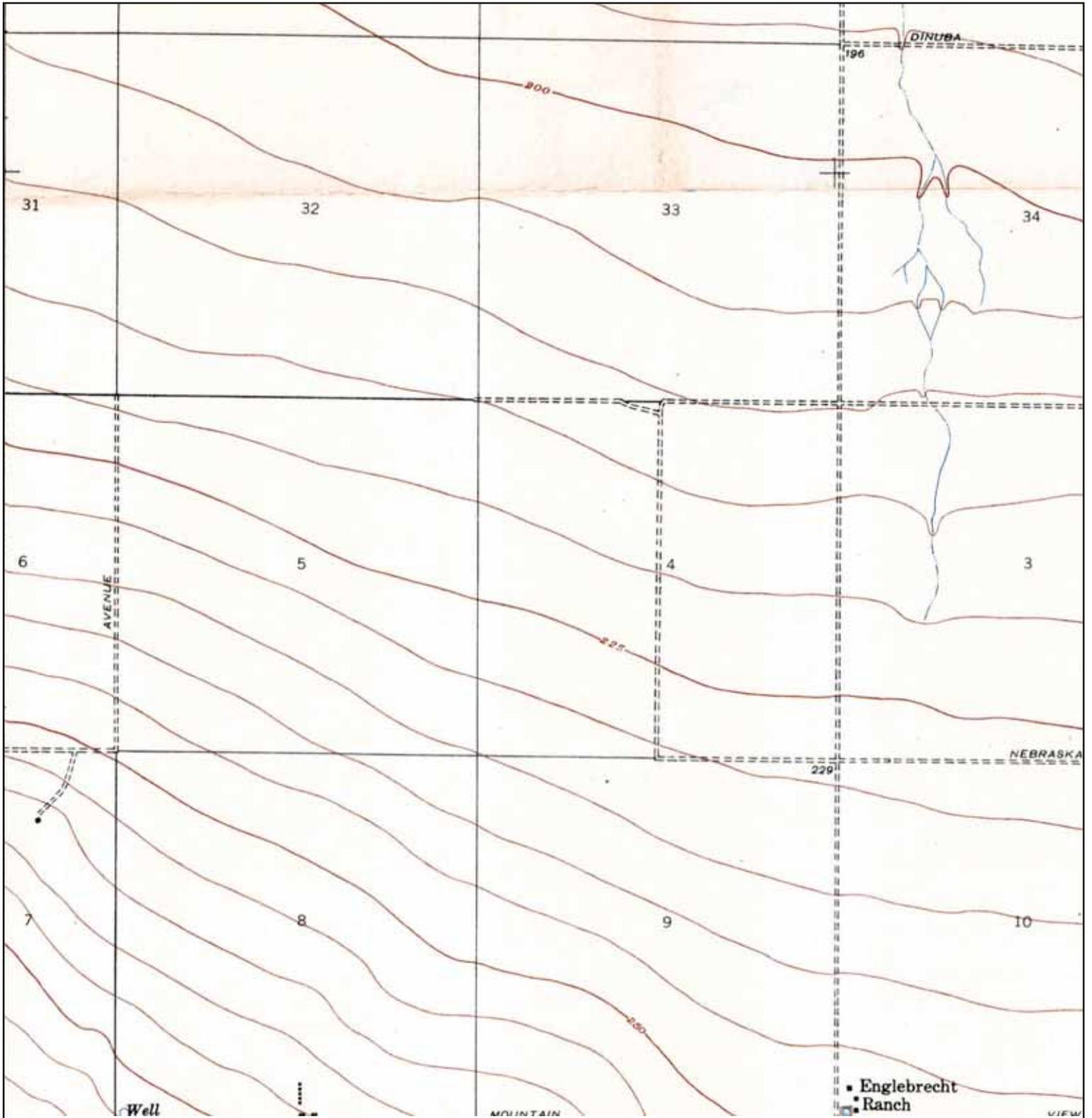
	TARGET QUAD	SITE NAME: 33578 West Dinuba Ave	CLIENT: Stantec
	NAME: TRANQUILLITY	ADDRESS: 33578 West Dinuba Ave	CONTACT: Dion Monge
	MAP YEAR: 1946	Mendota, CA 93640	INQUIRY#: 3725142.4
	SERIES: 15	LAT/LONG: 36.5768 / -120.3935	RESEARCH DATE: 09/12/2013
	SCALE: 1:62500		

Historical Topographic Map



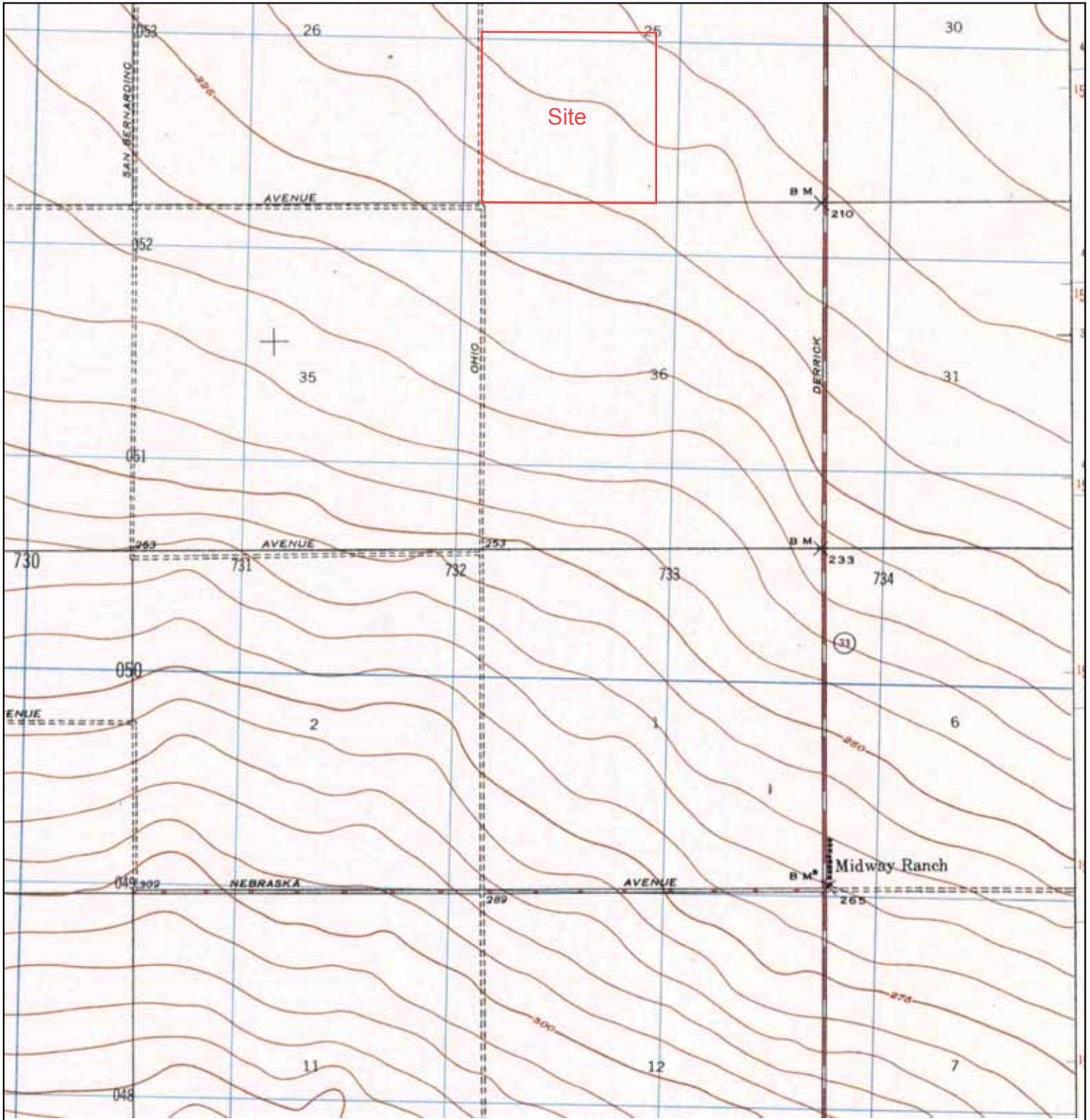
	TARGET QUAD	SITE NAME: 33578 West Dinuba Ave	CLIENT: Stantec
	NAME: TRANQUILLITY	ADDRESS: 33578 West Dinuba Ave	CONTACT: Dion Monge
	MAP YEAR: 1946	Mendota, CA 93640	INQUIRY#: 3725142.4
	SERIES: 15	LAT/LONG: 36.5768 / -120.3935	RESEARCH DATE: 09/12/2013
	SCALE: 1:62500		

Historical Topographic Map



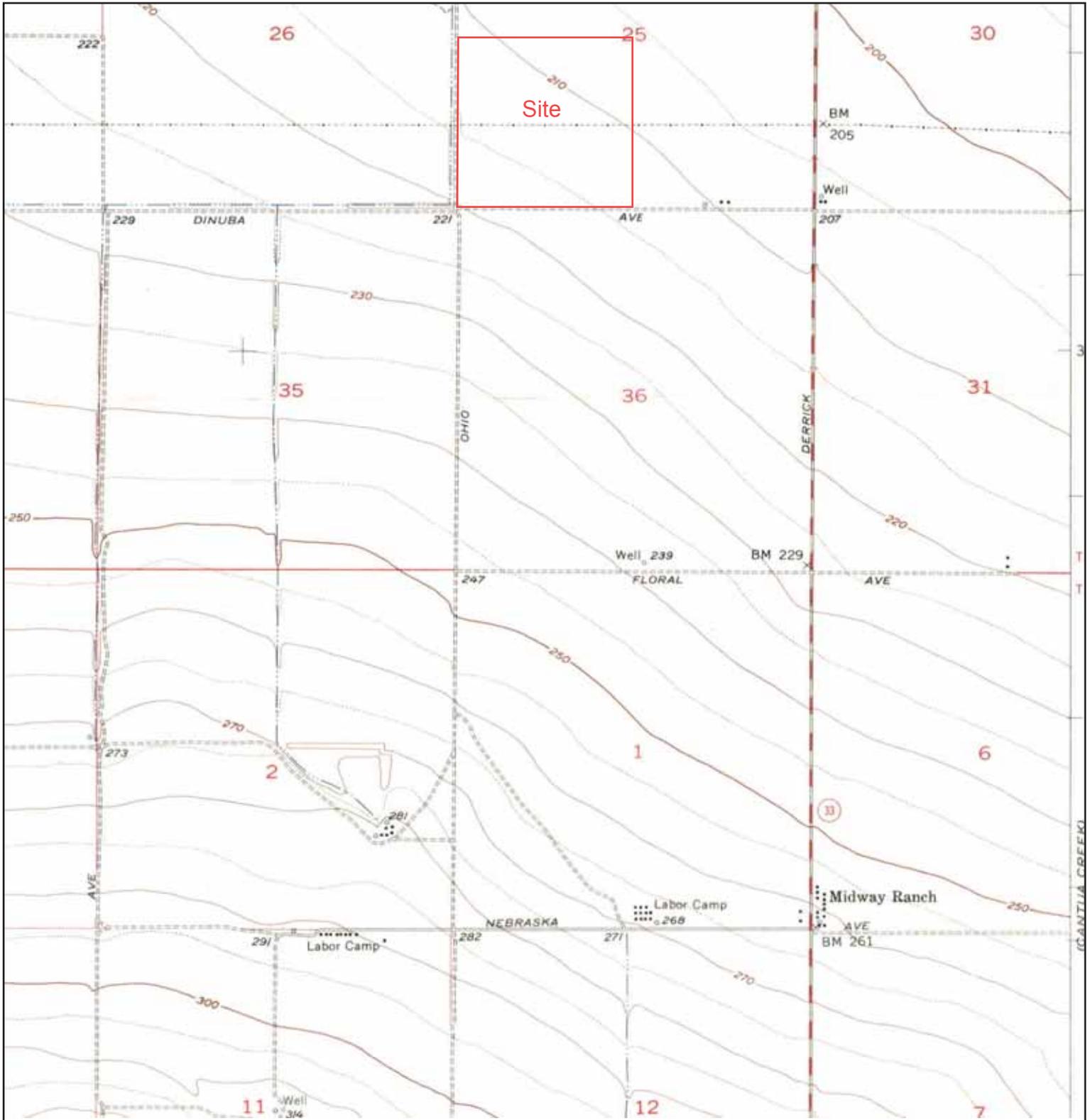
<p>N ↑</p>	<p>TARGET QUAD NAME: ENGLEBRECHT RANCH MAP YEAR: 1947</p>	<p>SITE NAME: 33578 West Dinuba Ave ADDRESS: 33578 West Dinuba Ave Mendota, CA 93640 LAT/LONG: 36.5768 / -120.3935</p>	<p>CLIENT: Stantec CONTACT: Dion Monge INQUIRY#: 3725142.4 RESEARCH DATE: 09/12/2013</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



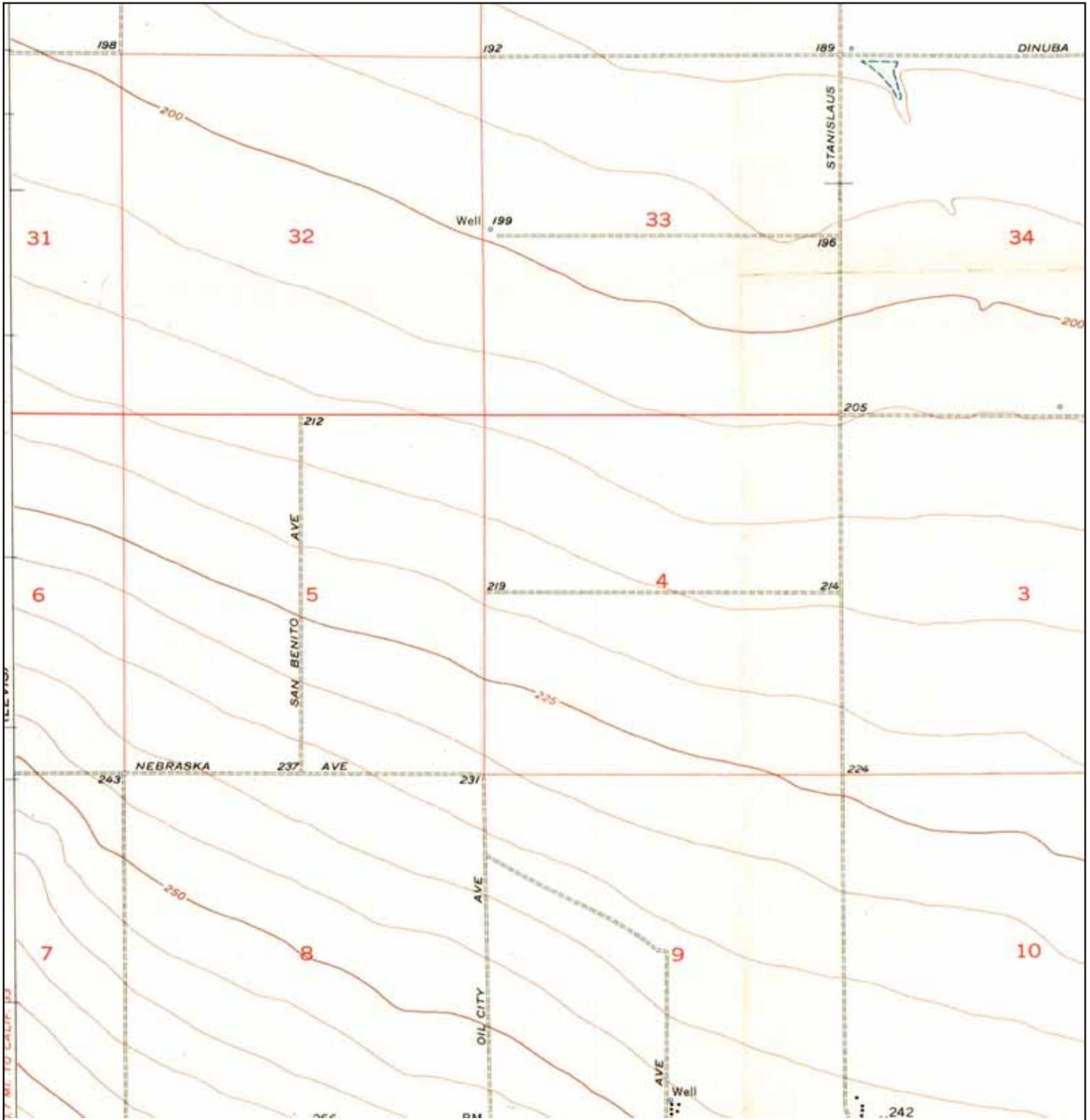
<p>N ↑</p>	<p>TARGET QUAD NAME: LEVIS MAP YEAR: 1948</p>	<p>SITE NAME: 33578 West Dinuba Ave ADDRESS: 33578 West Dinuba Ave Mendota, CA 93640 LAT/LONG: 36.5768 / -120.3935</p>	<p>CLIENT: Stantec CONTACT: Dion Monge INQUIRY#: 3725142.4 RESEARCH DATE: 09/12/2013</p>
	<p>SERIES: 7.5 SCALE: 1:25000</p>		

Historical Topographic Map



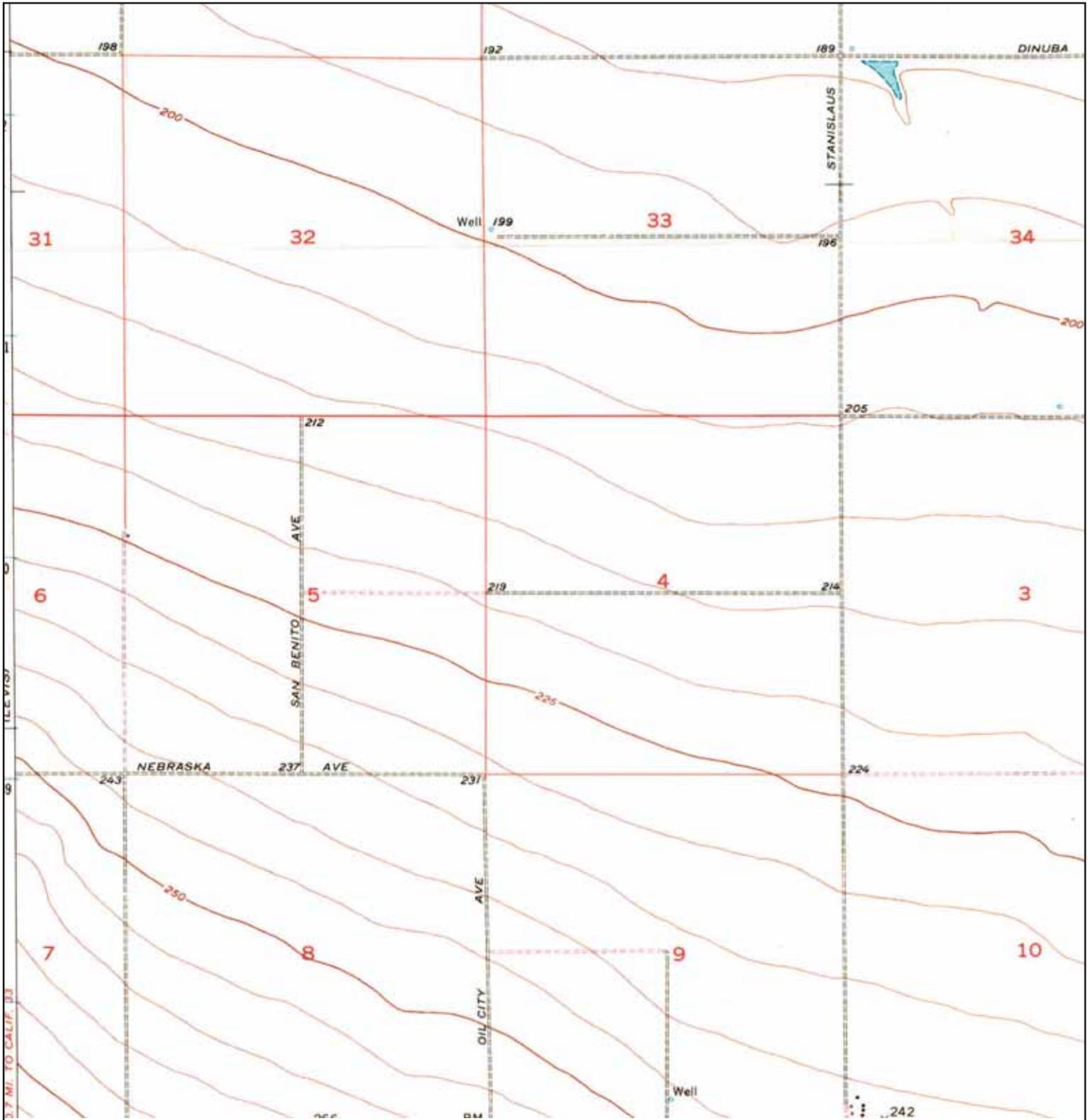
	TARGET QUAD NAME: LEVIS MAP YEAR: 1956	SITE NAME: 33578 West Dinuba Ave ADDRESS: 33578 West Dinuba Ave Mendota, CA 93640 LAT/LONG: 36.5768 / -120.3935	CLIENT: Stantec CONTACT: Dion Monge INQUIRY#: 3725142.4 RESEARCH DATE: 09/12/2013
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



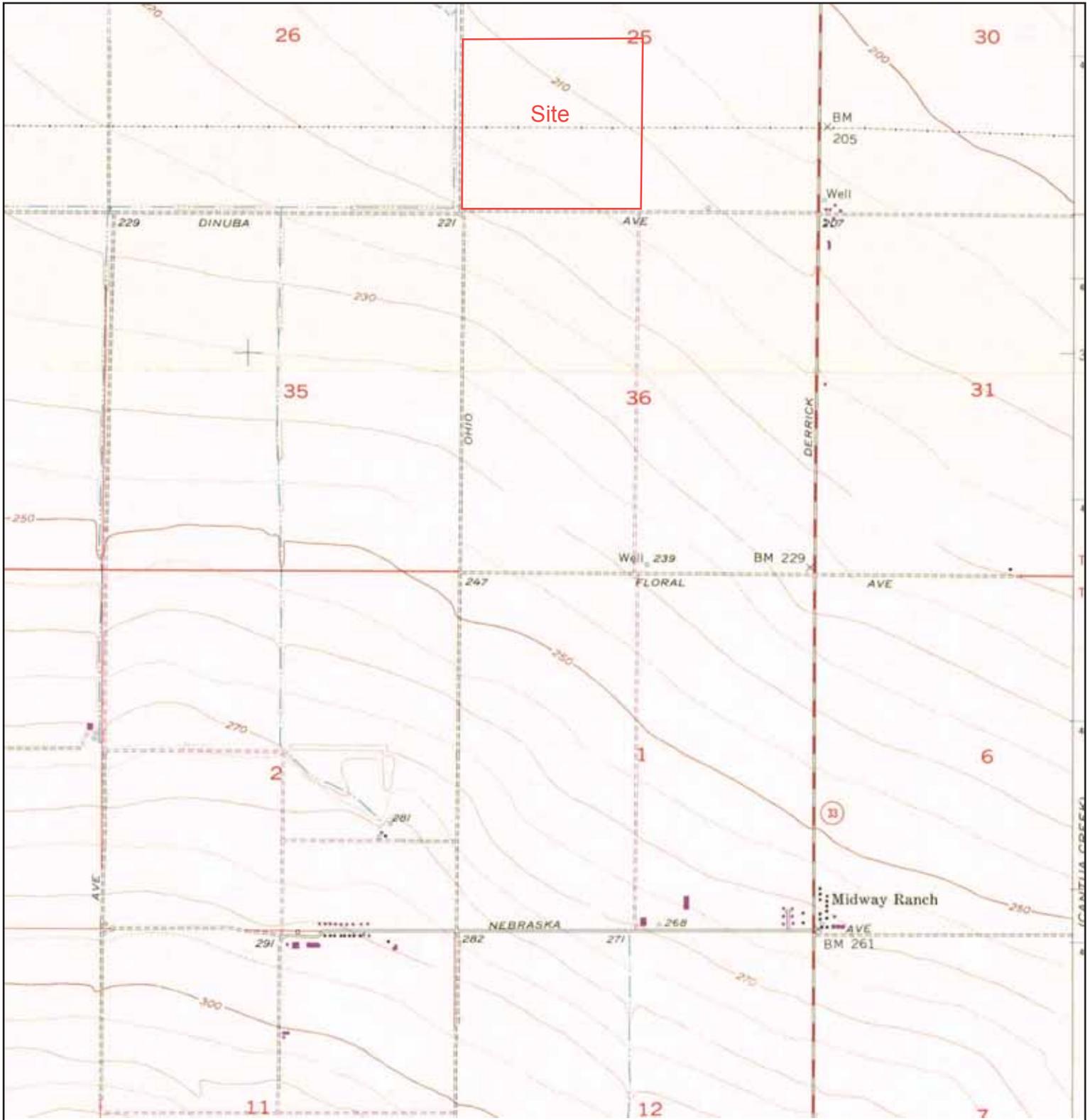
	TARGET QUAD NAME: CANTUA CREEK MAP YEAR: 1956	SITE NAME: 33578 West Dinuba Ave ADDRESS: 33578 West Dinuba Ave Mendota, CA 93640 LAT/LONG: 36.5768 / -120.3935	CLIENT: Stantec CONTACT: Dion Monge INQUIRY#: 3725142.4 RESEARCH DATE: 09/12/2013
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



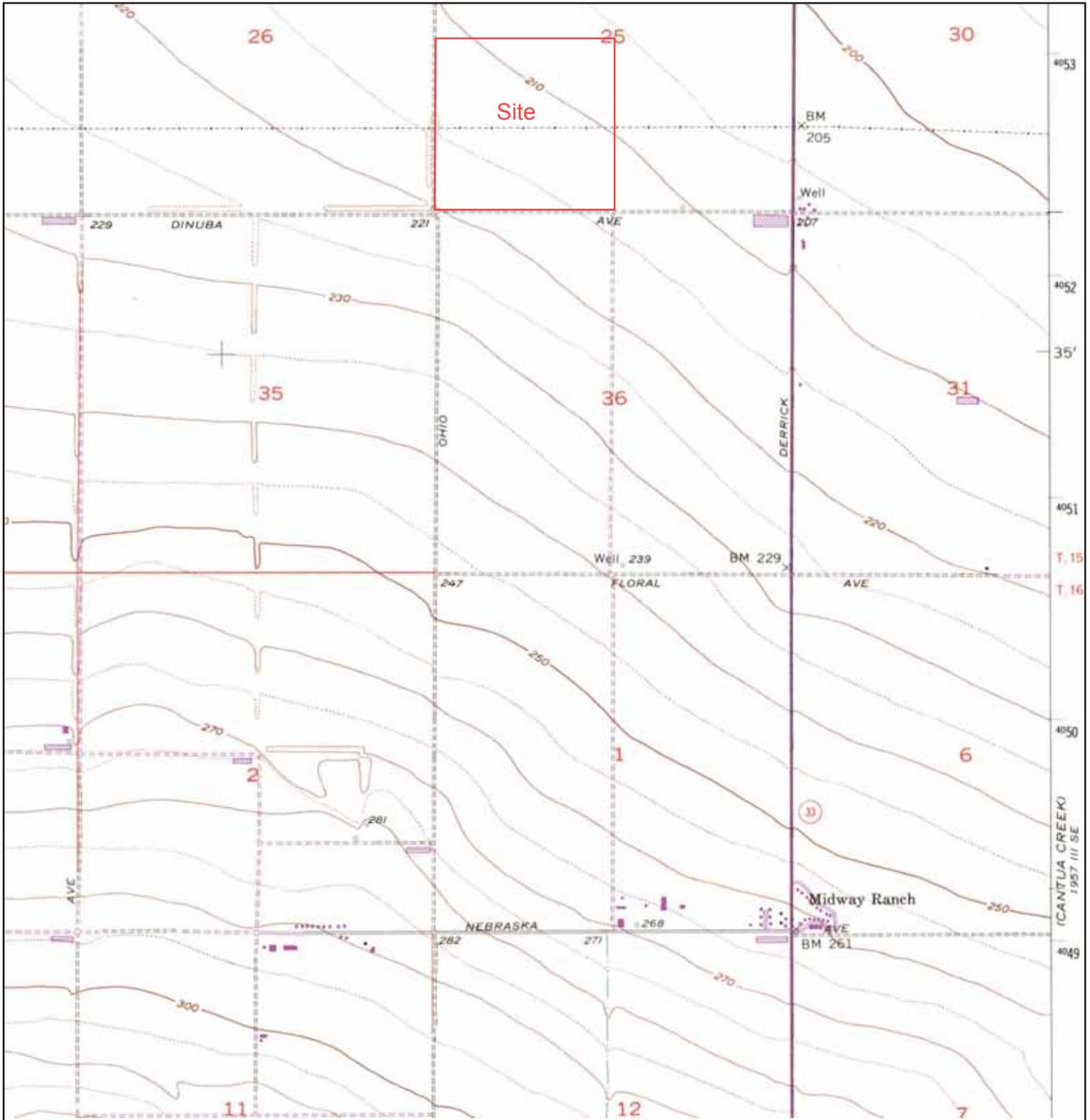
	TARGET QUAD NAME: CANTUA CREEK MAP YEAR: 1971	SITE NAME: 33578 West Dinuba Ave ADDRESS: 33578 West Dinuba Ave Mendota, CA 93640 LAT/LONG: 36.5768 / -120.3935	CLIENT: Stantec CONTACT: Dion Monge INQUIRY#: 3725142.4 RESEARCH DATE: 09/12/2013
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



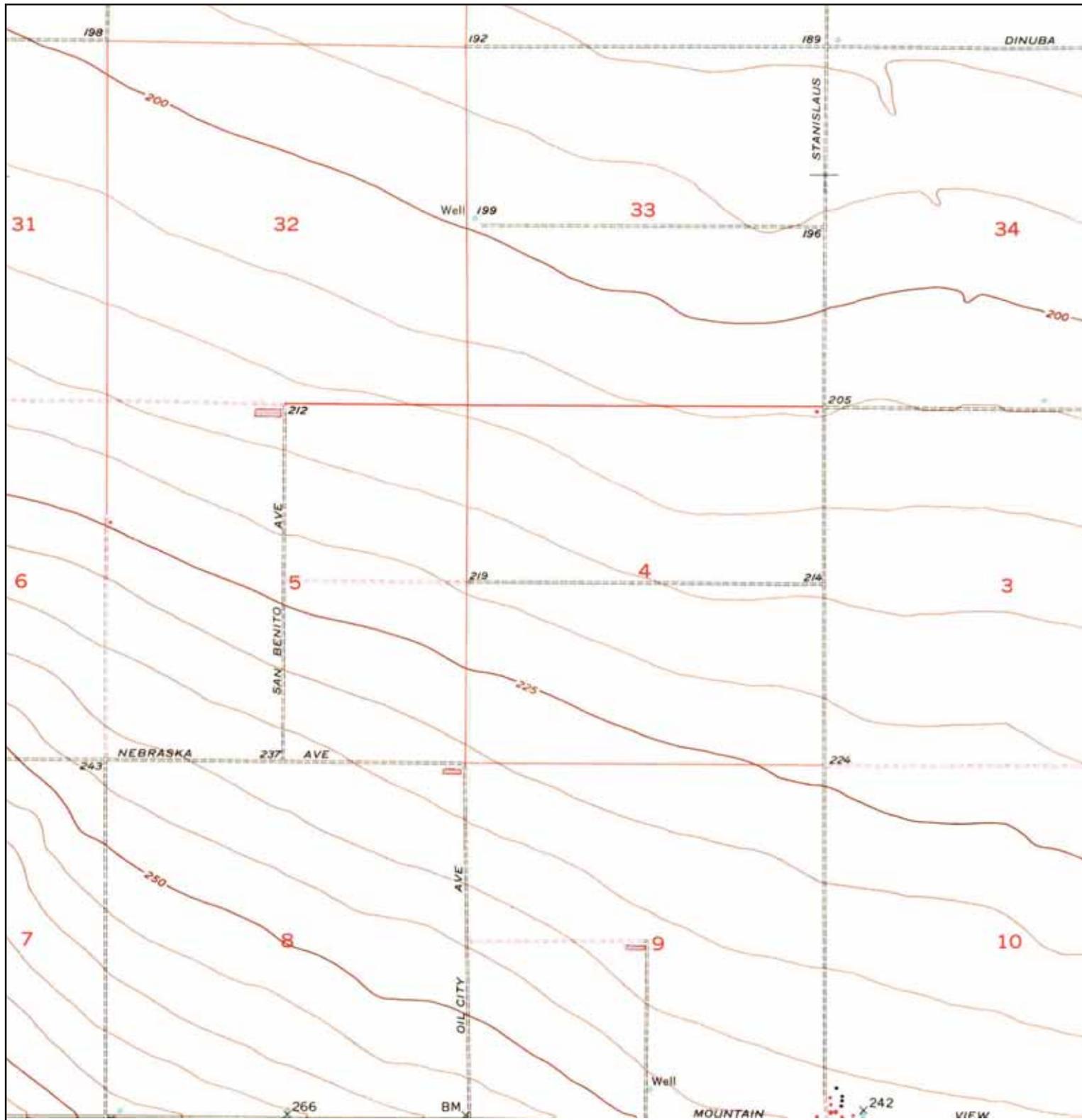
	TARGET QUAD	SITE NAME: 33578 West Dinuba Ave	CLIENT: Stantec
	NAME: LEVIS	ADDRESS: 33578 West Dinuba Ave	CONTACT: Dion Monge
	MAP YEAR: 1971	Mendota, CA 93640	INQUIRY#: 3725142.4
	PHOTOREVISED FROM :1956	LAT/LONG: 36.5768 / -120.3935	RESEARCH DATE: 09/12/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME: 33578 West Dinuba Ave	CLIENT: Stantec
	NAME: LEVIS	ADDRESS: 33578 West Dinuba Ave	CONTACT: Dion Monge
	MAP YEAR: 1984	Mendota, CA 93640	INQUIRY#: 3725142.4
	PHOTOREVISED FROM :1956	LAT/LONG: 36.5768 / -120.3935	RESEARCH DATE: 09/12/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD NAME: CANTUA CREEK MAP YEAR: 1984	SITE NAME: 33578 West Dinuba Ave ADDRESS: 33578 West Dinuba Ave Mendota, CA 93640 LAT/LONG: 36.5768 / -120.3935	CLIENT: Stantec CONTACT: Dion Monge INQUIRY#: 3725142.4 RESEARCH DATE: 09/12/2013
	SERIES: 7.5 SCALE: 1:24000		

Tranquillity Switching Station

NEC Dinuba Ave. and Ohio Ave.

Fresno County, CA 93640

Inquiry Number: 4144828.6

November 24, 2014

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/24/14

Site Name:

Tranquillity Switching Station
NEC Dinuba Ave. and Ohio
Fresno County, CA 93640

Client Name:

Stantec
3475 West Shaw #104
Fresno, CA 93711



EDR Inquiry # 4144828.6

Contact: Ralph Carson

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Tranquillity Switching Station
Address: NEC Dinuba Ave. and Ohio Ave.
City, State, Zip: Fresno County, CA 93640
Cross Street:
P.O. # NA
Project: 185799000
Certification # A00A-43F1-8FB7



Sanborn® Library search results
Certification # A00A-43F1-8FB7

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 fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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™

Limited Permission To Make Copies

Stantec (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2014 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

33578 West Dinuba Ave

33578 West Dinuba Ave
Mendota, CA 93640

Inquiry Number: 3725142.6
September 16, 2013

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2011	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1990	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1985	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

33578 West Dinuba Ave
Mendota, CA 93640

Year

CD Image

Source

West Dinuba Ave

2011	-	Haines Criss-Cross Directory	Street not listed in Source
2005	pg A1	Haines Criss-Cross Directory	
2001	pg A2	Haines Criss-Cross Directory	
1995	pg A3	Haines Criss-Cross Directory	
1990	pg A4	Haines Criss-Cross Directory	
1985	pg A5	Haines Criss-Cross Directory	
1980	pg A6	Haines Criss-Cross Directory	
1975	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

Year

CD Image

Source

South Derrick Ave

2011	pg. A7	Haines Criss-Cross Directory	
2005	pg. A8	Haines Criss-Cross Directory	
2001	pg. A9	Haines Criss-Cross Directory	
1995	pg. A10	Haines Criss-Cross Directory	
1990	pg. A11	Haines Criss-Cross Directory	
1985	pg. A12	Haines Criss-Cross Directory	
1980	pg. A13	Haines Criss-Cross Directory	
1975	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

West Dinuba Ave

2005

• 16 BUS 175 RES 25 NEW

W DINUBA AVE 93608
CANTUA CREEK

WEALTH CODE 0

33578 • WAKEFIELD David 559-698-5188

X S DERRICK AVE

• 0 BUS 1 RES 0 NEW

West Dinuba Ave

2001

DINUBA AV W 93608 CANTUA CREEK

WEALTH CODE 1.0

33578	• CHANEY RANCH	559-698-7444	6
	• WAKEFIELD David	559-698-5186	
	• 1 BUS	1 RES	0 NEW

West Dinuba Ave 1995

★ 13 BUS 155 RES 49 NEW

DINUBA AV W 93608
CANTUA CREEK

33578 WAKEFIELD David 698-5186
★ 0 BUS 1 RES 0 NEW

DINUBA AV W 93609
CARUTHERS

West Dinuba Ave

1990

DINUBA AV W 93608
CANTUA CREEK

33578	HUSTON William	698-7683	2
	WAKEFIELD David	698-5186	
*	0 BUS	2 RES	0 NEW

COPYRIGHT HAINES

West Dinuba Ave 1985

NO #	FREEWAY LANES	896-2211
★	14 BUS 136 RES	12 NEW

DINUBA AV W 93608
CANTUA CREEK

33578	HUSTON WILLIAM	698-7683	2
	WAKEFIELD DAVID	698-5186	0
★	0 BUS 2 RES	0 NEW	



-

West Dinuba Ave

1980

	0 BUS	33 RES	2 NEW
+ DINUBA AV W 93640			
MENDOTA			
39479	WILSONS AGRI FLITE	655-3509+0	
1 BUS	0 RES	1 NEW	
DINUBA AV W 93654			
REEDLEY			

South Derrick Ave

2011

★ 18 BUS 35 RES 4 NEW

S DERRICK AVE 93608
CANTUA CREEK

WEALTH CODE 1.0

10002	ORFF Ronald	559-698-7868	3
10054	ORFF Frank	559-698-5536	9
11973	HERMOSILLO Alfredo	559-829-6127	7
	RAMOS Elsa	559-829-6127	7
11986	XXXX	00	
11988	URIASSANCHEZ Yadira C	559-829-9381	+0
11994	XXXX	00	
11996	XXXX	00	
16013	XXXX	00	
16039	★ THREE ROCKS CAFE	559-829-9498	9
16041	GONZALEZ Rita	559-829-6334	4
	PUENTE Rita G	559-829-6334	9
16101	♣ ★ SCHMOLL JOHN FATHER	559-829-6473	
17000	★ BLUE RIDGE FARMING INC	559-829-3343	
17101	RAMIREZ Juarez J	559-829-6129	+0
17125	♣ ★ DOUBLE B FARMING LLC	559-829-6330	4
17524	XXXX	00	
17526	FLORES Jasmine	559-829-6320	9
17708	TORRES Armando	559-829-9365	7
17909	★ HALFWAY STORE	559-829-6024	3
17913	XXXX	00	
17967	XXXX	00	

★ 5 BUS 17 RES 2 NEW

South Derrick Ave

2005

S DERRICK AVE 93608
CANTUA CREEK

WEALTH CODE 0

X W ADAMS AVE

10002 ORFF Ronald 559-698-7868 3

10054 ●ORFF Frank 559-698-5536 3

X W DINUBA AVE

X W NEBRASKA AVE

16013 BARRIOS Ramon 559-829-6291 +4

16039 ●THREE ROCKS CAFE 559-829-8117 3

16041 ECHEVERRIA Benjamin 559-829-6428 +4

GONZALEZ Rita 559-829-6334 +4

16101 ●GOLDEN PLAINS SC 559-829-3360 1

DIST ADULT

SCHMOLL John Father 559-829-6473

16103 XXXX 00

South Derrick Ave

2001

DERRICK AV S 93608 CANTUA CREEK

WEALTH CODE 0.6

10002	ORFF Ronald	559-698-7868	
10054	ORFF Frank	559-698-5536	
11882	XXXX	00	
11890	XXXX	00	
11913	XXXX	00	
11944	CAMPOS Gubernal	559-829-3350	+0
11958	RUVALCABA Librada	559-829-6704	5
11994	XXXX	00	
11996	XXXX	00	
X	NEBRASKA AV W		
16013	XXXX	00	

South Derrick Ave

1995

DERRICK AV S 93608 CANTUA CREEK

WEALTH CODE 1.0

10002	ORFF Ronald	698-7868	8
10054	ORFF Frank	698-5536	8
11882	XXXX	00	
11890	XXXX	00	
11913	XXXX	00	
11958	RUVALCABA Librada	829-6704	+5
11994	XXXX	00	
16013	XXXX	00	
16014	XXXX	00	

South Derrick Ave

1990

DERRICK AV S 93608

CANTUA CREEK

10002	ORFF Ronald	698-7868	8
10054	ORFF Frank	698-5536	8
11882	SINGH Dalip	829-6248	4
11890	SAMRA Piara	829-6239	+0
11913	VALDEZ Edulla	829-6200	+0
	VALDEZ Filemon	829-6200	+0
11944	TORRES Anna	829-6710	+0
11958	TORRES Yolanda	829-6705	+0
11994	XXXX	00	
16037	★HAZELS CAFE	829-9991	+0
16045	CANTRELL Sam	829-6460	+0

South Derrick Ave

1985

DERRICK AV 93608

CANTUA CREEK

10002	ORFF RONALD	698-7868	2
11882	SINGH DALIP	829-8248	4
11924	BRAR TEJA	829-6445	+5
11948	XXXX	00	
11984	SINGH AJIT	829-3380	+5
11986	ESPINOZA JESUS	829-8244	+5
11990	GOMEZ JESUS	829-6226	+5
11994	SEGURA CONCEPCION	829-6227	+5
11996	GUTIERREZ LORENZO	829-8245	+5
11998	XXXX	00	
14649	GOMES DAVID M	829-8243	2

South Derrick Ave

1980

DERRICK AV 93608
CANTUA CREEK

11913	RICE STEVEN	829-6268	+0
11996	HUERTA NORBERTO	829-6233	+0
11998	HUERTA GEORGE	829-6296	8
14649	GOMES DAVID M	829-6243	9
NO #	TURRUBIATE A	698-5102	6
*	0 BUS	5 RES	2 NEW

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Appendix C Owner Provided Information
December 17, 2014

Appendix C Owner Provided Information



Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx



Stantec

PHASE I ESA OWNER'S QUESTIONNAIRE

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec.

Property Information

Property Name: APNs 028-101-22T, 23ST

Property Address: SW 1/4, Section 25, T15S, R14E

City: Tranquillity State CA Zip _____

Property Owner Name: Westlands Water District

Property Owner Phone #: (559) 224-1523

Current Use of Subject Property:	Dryland farming
Past Use(s) of Subject Property:	Dryland farming 10+ years
Current Use of Surrounding Property:	Same
Past Use(s) of Surrounding Property:	Same
Current or Past Hazardous/Petroleum Material Use, Storage, Disposal:	None
Current or Past Regulatory Action(s):	None
Past Releases of Hazardous/Petroleum Materials on the Property:	None
Other Environmental Information (Permits, etc.):	None



Aware of Any Pending, Threatened or Past Litigation Relevant to Hazardous Substances or Petroleum Products in, on, or From Subject Property?	None
Aware of Any Pending, Threatened or Past Administrative Proceedings Relevant to Hazardous Substances or Petroleum Products in, on, or From Subject property?	None
Aware of Any Pending, Threatened or Past Notices From Any Governmental Entity Regarding Possible Violations Of Environmental Laws Or Possible Liability Relating To Hazardous Substances Or Petroleum Products?	None

Signature: Russ Freeman

Name (printed): Russ Freeman

Company: Westlands Water District

Title: Supervisor of Resources

Date: 11/26/14

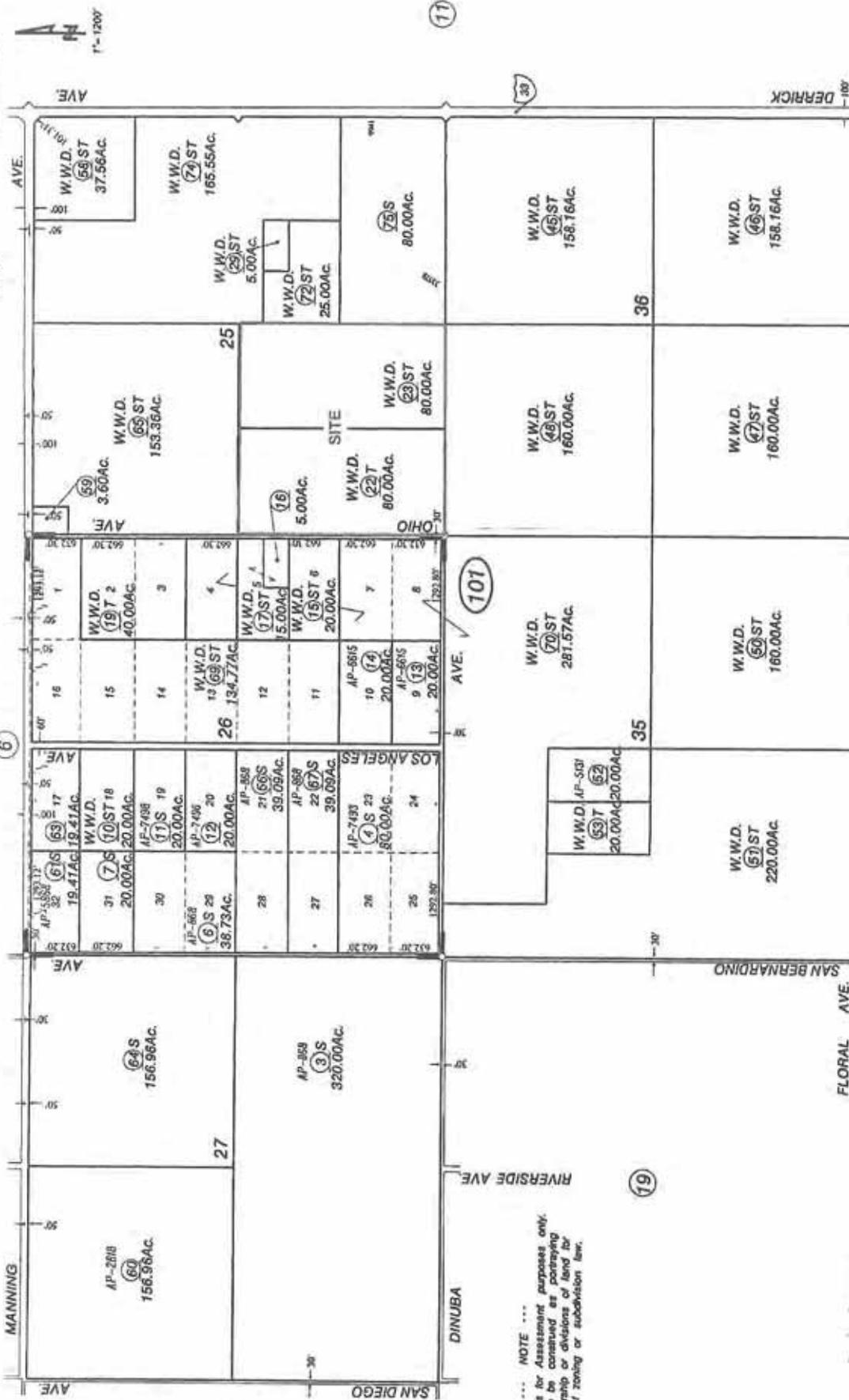
How Long Have You Been Familiar With the Subject Property? 10+ years

How Many water wells are located on the Subject Property? None

SEC'S 25, 26, 27, 35 & 36, T.15S., R.14E., M.D.B.&M.

Tax Rate Area
140-006

028-10



NOTE ...
This map is for Assessment purposes only.
It is not to be construed as portraying
legal ownership or divisions of land for
purposes of zoning or subdivision law.

Agricultural Preserve
California Land Investment Co. - Tract No. 1 - R.S. Bk. 7, Pg. 7

Bk.
38

Assessor's Map Bk. 28 - Pg. 10
County of Fresno, Calif.

NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles.

Figure 3

PHASE I ENVIRONMENTAL SITE ASSESSMENT, RE TRANQUILLITY BAAH LLC

Appendix D User Provided Information
December 17, 2014

Appendix D User Provided Information



Attorney/Client Privileged

v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase i esa update_pg&e\report\tranquillity baah phase i esa_final.docx



PHASE I ESA USER'S QUESTIONNAIRE

In order to qualify for protection from land owner liability under CERCLA as an *innocent landowner, bona fide prospective purchaser, or contiguous property owner*, ASTM standard practice E1527-13 and the Federal AAI rule (40 CFR 312) require that the User of the Phase I ESA report provide certain information (if available) to the Environmental Professional completing the assessment. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Information that is not or cannot be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible. Attach additional pages as needed. Return the completed questionnaire to Stantec.

1. Property Information

Property Name: RE Tranquillity BAAH LLC Switching Station

Property Address: _____

City: Unincorp. Fresno Co State CA Zip _____

Property Owner Name: westlands Water District, Russ Freeman

Property Owner Phone #: see email below

2. Key Site Manager

This should be an individual with good knowledge of the uses and physical characteristics of the property, and the processes or activities currently conducted at the property. Often this will be the property manager, chief physical plant supervisor, or head maintenance person.

Name: Russ Freeman

Company/Organization/Title: see above

Phone # _____ E-Mail Address: rfreeman@westlandswater.org

3. Contact For Site Access (if different from Key Site Manager)

Name: _____

Company/Organization/Title: _____

Phone # _____ E-Mail Address: _____

4. Environmental Cleanup Liens. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

_____ Yes X _____ No

If yes, describe or attach details of the lien _____



5. Activity and Land Use Limitations. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded as applicable to the property as a result of environmental contamination, investigation, cleanup, or related matters?
 _____ Yes No

If yes, describe or attach details of the limitations _____

6. Specialized Knowledge or Experience. As the User of this ESA, 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, such that you would have specialized knowledge about chemicals and processes used by this type of business?
 _____ Yes No

If yes, describe or attach details of your specialized knowledge or experience _____

7. Relationship of Purchase Price to Fair Market Value of Property. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____ Not applicable. User is not involved in a purchase or sale of the property.

8. Commonly Known or Reasonably Ascertainable Information. 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 of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?
 Yes (describe) dry farmed winter wheat
 _____ No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?
 _____ Yes (describe) _____
 No



Stantec

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

Yes (describe) _____

No

Do you know of any environmental cleanups that have taken place at the property?

Yes (describe) _____

No

9. The Degree of Obviousness of Contamination. E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. 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 at the property?

Yes (describe) _____

No

10. Availability of Previous Environmental Reports. Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

Yes (please identify and provide copies, if available) Stantec Ph1+2
Fresno County EIR

No

Signature: 

Name (printed): Marisa Mitchell

Company: Recurrent Energy

Title: Associate, Site Development

Date: 12/8/2014

Appendix J4

Phase II Environmental Site Assessment
RE Tranquillity LLC

**Phase II Environmental Site
Assessment,
RE Tranquillity LLC,
Wakefield Parcels,
Fresno County, California**



Prepared for:
RE Tranquillity LLC
300 California Street, 8th Floor
San Francisco, California 94104

Prepared by:
Stantec Consulting Services Inc.
3475 W. Shaw Ave. #104
Fresno, California 93711

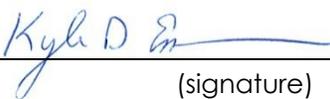
July 29, 2014

Sign-off Sheet

This Phase II Environmental Site Assessment, RE Tranquillity LLC, Wakefield Parcels, Fresno County, California was prepared by Stantec Consulting Services Inc. for RE Tranquillity LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the master environmental consulting services agreement between Stantec Consulting Services Inc. and the client (the "MSA"), the MSA shall control.

Prepared by 
(signature)

Ralph Carson, PG
Senior Geologist

Reviewed by 
(signature)

Kyle Emerson, CEG 1271
Managing Principal Geologist



Stantec Consulting Services Inc.
3475 W. Shaw Ave. #104
Fresno CA 93711
Tel: (559) 271-2650
Fax: (559) 271-2650

Executive Summary

July 29, 2014

Ms. Marisa Mitchell
RE Tranquillity LLC
300 California Street, 8th Floor
San Francisco, California 94104

RE: PHASE II ENVIRONMENTAL SITE ASSESSMENT
RE Tranquillity LLC
Wakefield Parcels
Fresno County, California

Dear Ms. Mitchell:

At the request and authorization of RE Tranquillity LLC, Stantec Consulting Services Inc. (Stantec) has prepared this report detailing the results of a Phase II Environmental Site Assessment (ESA) completed at the above referenced property (the "Site"). This Phase II ESA was completed in accordance with Stantec's *Revised Proposal #2 To Conduct Phase II Environmental Site Assessment*, dated May 20, 2014. The results of the completed work are summarized in the following Executive Summary, and described in greater detail in the attached report.

EXECUTIVE SUMMARY

The Phase II ESA was conducted based on the results of Stantec's Phase I ESA prepared for RE Tranquillity LLC, dated September 27, 2013. In the Phase I ESA, Stantec recommended performing a Phase II ESA investigation on the historic agricultural parcels identified as the Wakefield Parcels within the Tranquillity site. Historical records indicate that the Wakefield Parcels were used for agricultural purposes from at least 1955 until the mid-2000s. Additionally, the Phase I ESA identified the two areas where petroleum storage and usage occurred on the property. The Phase I ESA identified both the historic agricultural use and the petroleum storage/usage on the property as recognized environmental conditions.

Based on that information, Stantec recommended performing a Phase II subsurface investigation to (1) sample and analyze soil to determine whether pesticides or the heavy metals that typically accompany herbicide application (i.e., arsenic and lead), are present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels and (2) sample and analyze soil to determine whether the petroleum storage/usage on the Site has released hydrocarbons into the subsurface at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.



Reference: Phase II Environmental Site Assessment

As part of the Site development, a Draft Environmental Impact Report (EIR) was prepared. The Draft EIR documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a contaminant of concern. The soil samples were analyzed for selenium to determine if selenium is present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

The scope of the Phase II ESA included the collection of two (2) shallow soil samples for pesticides arsenic, lead, and selenium across the Wakefield Parcels and the collection of four (4) soil samples adjacent to the petroleum storage/usage areas on July 1, 2014. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the petroleum storage/usage, historical agricultural use of the Site, and the potential presence of selenium.

Chemical analysis of the 2 shallow soil samples reported concentrations of 4,4'-dichlorodiphenyl dichloroethylene (DDE), 4,4'-dichlorodiphenyl trichloroethane (DDT), and toxaphene above their Practical Quantitation Limits (PQLs). No other organochlorine pesticides were reported above their PQLs. DDE is a breakdown product of DDT, which was used in the past as an insecticide. No reported concentrations, however, exceeded the US Environmental Protection Agency Regional Screening Levels (EPA RSLs) for outdoor workers or the California Office of Environmental Health Hazard Assessment California Human Health Risk Screening Levels (CHHSLs) for commercial/industrial land use for DDE, DDT, and toxaphene. Accordingly, Stantec concludes that pesticides do not represent a REC to the Site.

Laboratory results detected arsenic in both soil samples - with a maximum concentration of 6.8 milligrams per kilogram (mg/kg). Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSLs and the CHHSLs. At the Site, the detected arsenic concentrations are above the EPA outdoor worker RSL of 3.34 mg/kg and the CHHSL for commercial/industrial land use of 0.24 mg/kg - but well within naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California).

Additionally, lead was detected both soil samples with a maximum concentration of 7.2 mg/kg. All concentrations of lead are below the EPA outdoor worker RSL of 800 mg/kg and the commercial/industrial CHHSL of 320 mg/kg.

No selenium was detected in the two shallow soil samples. The laboratory PQL for selenium was 1.0 mg/kg and is below the EPA outdoor worker RSL of 6,490 mg/kg and the commercial/ industrial CHHSL of 4,800 mg/kg.



Reference: Phase II Environmental Site Assessment

Stantec concludes that arsenic, lead, and selenium do not represent a REC to the Site. As a result, the detected metals and pesticides present no issue to on-site construction workers or the intended use of the Site, and the historical agricultural use does not represent a recognized environmental condition to the Site.

In the drum storage/usage area and the 300 gallon gasoline aboveground storage tank (AST) petroleum storage area, chemical analysis of the soil samples was performed for the following chemicals: total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), oil (TPHo) and volatile organic compounds (VOCs). No TPHg or VOCs were reported above their PQLs at either location. Detected petroleum hydrocarbon concentrations at the AST included TPHd and TPHo at maximum concentrations of 13 and 25 mg/kg, respectively. Detected petroleum hydrocarbon concentrations at the 55-gallon drum dispensers included TPHd and TPHo at maximum concentrations of 400 and 890 mg/kg, respectively. All detected petroleum hydrocarbon concentrations are below the California Regional Water Quality Control Board Maximum Soil Screening Level guidance for groundwater greater than 150 feet below the ground surface (bgs) for TPHd (10,000 mg/kg) and TPHo (50,000 mg/kg).

Based on the visual inspection and laboratory results, the petroleum hydrocarbon impacts at the AST and drum oil drum dispensers do not extend over a large area. In light of the localized, limited impacts, Stantec concludes that the petroleum hydrocarbon-impacted soil represents a *de minimis* condition and does not represent a REC. The petroleum hydrocarbon impacts at the AST location are minor and no remediation work is required. However, prior to Site development activities, Stantec recommends that the soil beneath the 55 gallon oil dispensers be excavated and removed from the Site for off-site disposal.

Stantec concludes that the assessment indicates that the historical agricultural use and petroleum storage/usage on the Site do not represent RECs. Accordingly, Stantec concludes that there are no RECs associated with Wakefield Parcels (i.e., the historic agricultural usage/petroleum storage usage on the Site), and recommends no further investigation regarding the historic agricultural usage/petroleum storage usage or the Wakefield Parcels.

It has been a pleasure to provide these services for you, and we look forward to working with you in the future. Should there be any questions concerning the information contained in the following report, please contact us at (909) 335-6116.



July 29, 2014
Phase II ESA, Tranquillity, Wakefield Parcels
Page 4 of 4

Reference: Phase II Environmental Site Assessment

Sincerely,

STANTEC CONSULTING SERVICES INC.

Kyle Emerson, CEG 1271
Managing Principal Geologist
Phone: 909-335-6116
Fax: 909-335-6120
kyle.emerson@stantec.com

Attachment: Phase II Report

stantec v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase ii esa\phase ii rpt\wakefield rpt\tranquillity - wakefield.final.docx

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Table of Contents

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION1.1

1.1 SITE DESCRIPTION AND OPERATIONS..... 1.2

1.2 SITE GEOLOGY AND HYDROGEOLOGY 1.2

2.0 BACKGROUND INFORMATION2.1

3.0 FIELD INVESTIGATION PROGRAM3.1

3.1 SCOPE OF WORK 3.1

3.1.1 Agricultural Land 3.1

3.1.2 Petroleum Storage Area..... 3.1

3.2 SOIL SAMPLING PROCEDURES..... 3.1

3.2.1 Decontamination Procedures 3.2

3.2.2 Boring Abandonment Procedures 3.2

4.0 LABORATORY TESTING PROGRAM4.1

5.0 INVESTIGATION RESULTS5.1

5.1 FIELD OBSERVATIONS..... 5.1

5.2 ANALYTICAL RESULTS 5.1

5.2.1 Agricultural Land 5.1

5.2.2 Petroleum Storage Area..... 5.2

6.0 CONCLUSIONS AND RECOMMENDATIONS6.1

6.1 AGRICULTURAL LAND 6.1

6.2 PETROLEUM STORAGE AREAS 6.2

7.0 CLOSURE.....7.1

8.0 REFERENCES.....8.1



**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

LIST OF TABLES

Table 1:	Summary of Soil Analytical Results – Organochlorine Pesticides
Table 2:	Summary of Soil Analytical Results – Arsenic, Lead, and Selenium
Table 3:	Summary of Soil Analytical Results – Total Petroleum Hydrocarbons

LIST OF FIGURES

Figure 1:	Site Location Map
Figure 2:	Soil Sample Location Map, Wakefield Parcels

LIST OF APPENDICES

Appendix A:	Laboratory Data Sheets and QA/QC Results
-------------	--

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Introduction
July 29, 2014

1.0 Introduction

This report documents the methodology and findings of the Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) at the historic agricultural properties identified as the Wakefield Parcels within the RE Tranquillity LLC site (the "Site"). The Site is located southwest of the town of Tranquillity, in a rural area of Fresno County, California.

The Phase II ESA was conducted based on the results of Stantec's Phase I ESA prepared for RE Tranquillity LLC, dated September 27, 2013. In the Phase I ESA, Stantec recommended performing a Phase II ESA investigation on the historic agricultural parcels identified as the Wakefield Parcels within the Tranquillity site. Historical records indicate that the Wakefield Parcels were used for agricultural purposes from at least 1955 until the mid-2000s. Additionally, the Phase I ESA identified the two areas where petroleum storage and usage occurred on the property. The Phase I ESA identified both the historic agricultural use and the petroleum storage/usage on the property as recognized environmental conditions.

Based on that information, Stantec recommended performing a Phase II subsurface investigation to (1) sample and analyze soil to determine whether pesticides or the heavy metals that typically accompany herbicide application (i.e., arsenic and lead), are present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels and (2) sample and analyze soil to determine whether the petroleum storage/usage on the Site has released hydrocarbons into the subsurface at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

As part of the Site development, a Draft Environmental Impact Report (EIR) was prepared. The Draft EIR documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a contaminant of concern. The soil samples were analyzed for selenium to determine if selenium is present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels. The Phase II ESA field work was conducted on July 1, 2014.

The completed work was conducted in accordance with Stantec's *Revised Proposal #2 To Conduct Phase II Environmental Site Assessment*, dated May 20, 2014. The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the Site description and a summary of past operations.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Introduction
July 29, 2014

1.1 SITE DESCRIPTION AND OPERATIONS

The Phase I ESA was performed on the entire Tranquillity Site that totaled approximately 3,755 acres. The Wakefield Parcels within the Tranquillity Site encompass approximately 80 acres.

The Wakefield Site is rectangular in shape and is bounded by a dirt farm road on the north, West Dinuba Avenue to the south, South Derrick Avenue to the east, and a dirt farm road to the west (Figure 1). The Wakefield parcels are fallow farm fields that have been tilled recently. Based on Stantec's interpretation of available historical aerial photographs, the Wakefield parcels were used for agricultural purposes from at least 1955 until the mid-2000s.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located in the southern portion of the Great Valley Geomorphic Province, a region characterized as a trough in which sediments have been deposited almost continuously since the Jurassic. The Site resides in the southern portion of the province where oil fields have been discovered along anticlinal uplifts.

The Site is located in the San Joaquin Valley which is bound to the east by the Sierra Nevada Mountains, the west by the Coast Ranges, the south by the San Emigdio and Tehachapi Mountains, and the north by the Sacramento-San Joaquin Delta and the Sacramento Valley. The immediate Site vicinity is situated on Quaternary age sediments consisting of recent alluvium that includes fan and basin deposits (CDMG, 1958).

The Site, as is most of California, is located in a seismically active area. The nearest active fault is the Nunez Fault, located approximately 23 miles south of the Site. The Nunez Fault is part of an Alquist-Priolo Special Studies Zone (CDMG, 2000). The Site is not located within an Alquist-Priolo Special Studies Zone.

The Site is located within the Westland Subbasin (5-22.09) of the San Joaquin Valley Groundwater Basin (CDWR, 2013). The Westland Subbasin comprises approximately 1,000 square miles underlying portions of Fresno and Kings Counties. Based on the Phase I ESA, depth to groundwater ranges from 170 to 370 feet below the ground surface (bgs).



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Background Information
July 29, 2014

2.0 Background Information

Historical research indicates that the Tranquillity Site appears to have been used for agricultural purposes since sometime prior to 1955 through the mid-2000s. Due to the prolonged agricultural use on the Site, Stantec concluded in the Phase I ESA that there is a potential that residual organochlorine pesticides and the metals that typically accompany herbicide application may exist on the Site. Stantec concluded that the potential presence of pesticides was a recognized environmental condition (REC) to the Site; therefore, Stantec recommended performing a Phase II subsurface investigation for pesticides and heavy metals.

The Phase I ESA also identified the presence of two 55-gallon drums near the southeast corner of the residential property that were elevated, turned on their side, and were affixed with dispenser valves and a 300-gallon gasoline aboveground storage tank (AST) behind the garage. The two drums contained motor oil and hydraulic oil (Mr. Wakefield, personal communication). No secondary containment was provided for the drums or the AST. The presence of these oil dispensing drums and 300-gallon AST were considered RECs given the potential for a release to have occurred at these locations. Stantec recommended that shallow borings be advanced at the location of the oil drums and gasoline AST to sample soil for the presence of petroleum hydrocarbons and volatile organic compounds ("VOCs").

The Draft EIR for the Site documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Recurrent Energy requested as part of Stantec's proposal to include the selenium analyses to the Phase II ESA.

Accordingly, Stantec performed a Phase II subsurface investigation to sample and analyze the soil for the 1) presence of pesticides and metals (i.e., arsenic and lead) that typically accompany herbicide application, 2) the presence of selenium, and 3) the presence of petroleum hydrocarbons and VOCs. The scope of work for the Phase II ESA subsurface investigation is set forth below.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Field Investigation Program
July 29, 2014

3.0 Field Investigation Program

3.1 SCOPE OF WORK

3.1.1 Agricultural Land

Based on the findings of the Phase I ESA, soil samples were collected and analyzed throughout the former agricultural land. This work included the following tasks:

- Collection of 2 shallow soil samples at the locations using a hand auger (Figure 2). Each sample was collected between 6 to 12 inches bgs.
- Submission of 2 soil samples to a state certified laboratory. Analysis of the 2 shallow soil samples for organochlorine pesticides by EPA Method 8081B, and arsenic, lead, and selenium by EPA Method 6010B.

3.1.2 Petroleum Storage Area

Based on the findings of the Phase I ESA, soil samples were collected and analyzed within the soil stained area. This work included the following tasks:

- Collection of 4 soil samples at the locations of the drums and AST area using a hand auger (Figure 2). The samples were collected at 2 and 3 feet bgs.
- Submission of the 4 soil samples to a state certified laboratory. Analysis of the 4 soil samples for total petroleum hydrocarbons gasoline (TPHg), diesel (TPHd), and oil (TPHo) by EPA Method 8015 and VOCs by EPA Method 8260.

3.2 SOIL SAMPLING PROCEDURES

A hand-auger was advanced to collect the soil samples. Stantec recommended collecting soil samples at 2 and 5 feet bgs around the drums and AST. Multiple attempts were made at each location to hand auger to the desired depth however, abundant tree roots were encountered and the boreholes were could not advance and were terminated at 2 to 3 feet bgs. The samples were discharged directly from the hand-auger bailer into glass jars.

The samples were then labeled, and placed in an ice-filled cooler pending delivery under Chain-of-Custody (COC) to a laboratory for chemical analysis. Copies of the COC forms are included in Appendix A.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Field Investigation Program
July 29, 2014

3.2.1 Decontamination Procedures

Prior to sampling at each sample interval, sample equipment was decontaminated in non-phosphate detergent solution and double rinsed with distilled water.

3.2.2 Boring Abandonment Procedures

Excess soil cuttings were replaced in the borehole to an elevation matching the surrounding surface conditions.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Laboratory Testing Program
July 29, 2014

4.0 Laboratory Testing Program

All soil samples collected for laboratory analysis were delivered under COC (Appendix A) to Advanced Technology Laboratories (ATL) located in Signal Hill, California. ATL is a California state-certified laboratory accredited by the Environmental Laboratory Accreditation Program (ELAP) of the Department of Toxic Substances Control.

Analytical laboratory test results are attached as Appendix A and summarized in Tables 1 through 3.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Investigation Results
July 29, 2014

5.0 Investigation Results

5.1 FIELD OBSERVATIONS

Stantec personnel collected 2 shallow soil samples from the Tranquillity Wakefield Parcels on July 1, 2014 as part of this Phase II ESA to evaluate if residual pesticides, arsenic, lead, and selenium exist at levels of concern for construction workers and Site development. Subsurface soils encountered during sampling activities consisted generally of dry, medium- to coarse-grained sands with silts. Groundwater was not encountered to the maximum explored depth of 12 inches bgs. No odors or staining was noted in the soils encountered.

Stantec personnel collected 4 soil samples from the petroleum storage/usage areas of the Tranquillity Wakefield Parcels on July 1, 2014 as part of this Phase II ESA. The sample analyses were used to determine if petroleum hydrocarbons and/or VOCs exist at levels of concern for construction workers and Site development. Subsurface soils encountered during sampling activities consisted generally of dry, medium- to coarse-grained sands with silts. Groundwater was not encountered to the maximum explored depth of 3.5 feet bgs. No odors or staining was noted in the soils encountered.

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below and summarized in Tables 1 through 3. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

5.2.1 Agricultural Land

Chemical analysis of the shallow soil samples for organochlorine pesticides was performed using EPA Method 8081B. ATL reported concentrations of 4,4'-dichlorodiphenyl dichloroethylene (DDE), 4,4'-dichlorodiphenyl trichloroethane (DDT), and toxaphene.

- DDE was reported in both shallow soil samples and had concentrations of 0.019 and 0.061 milligrams per kilogram (mg/kg).
- DDT was reported in both shallow soil samples and had concentrations of 0.0065 and 0.023 mg/kg.
- Toxaphene was reported in both shallow soil samples and had concentrations of 0.170 and 0.370 mg/kg.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Investigation Results
July 29, 2014

- No other organochlorine pesticides were reported above their Practical Quantitation Limit (PQL)

DDE is a breakdown product of DDT, which was used in the past as an insecticide. The US Environmental Protection Agency Regional Screening Levels (EPA RSLs) for DDE and DDT for an outdoor worker are 7.55 and 9.5 mg/kg, respectively.

The California Department of Toxic Substances Control (DTSC) published the California Human Health Risk Screening Levels (CHHSLs) for DDE and DDT for commercial/industrial land uses and has published a risk level of 6.3 mg/kg for both chemicals. Toxaphene has an EPA RSL for outdoor workers and a CHHSL for commercial/industrial use of 2.33 mg/kg and 1.8 mg/kg, respectively. No reported concentrations, however, exceeded EPA RSLs for outdoor workers or the CHHSLs for commercial/industrial land use. Based on the low concentrations of DDE, DDT, and toxaphene detected in the shallow soil samples analysis, deeper soil samples were not warranted.

The 2 soil samples were also analyzed for arsenic, lead, and selenium by EPA Method 6010B. The laboratory results reported concentrations of arsenic at 6.1 and 6.8 mg/kg. The detected arsenic concentrations are above the EPA RSL for an outdoor worker of 3.34 mg/kg and the CHHSL for commercial/industrial land use of 0.24 mg/kg – but well within naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California). Most naturally-occurring arsenic concentrations in the soil in California exceed the EPA RSL and CHHSL for arsenic.

Additionally, lead was detected both soil samples with concentrations of 6.8 and 7.2 mg/kg. The lead concentrations are below the EPA outdoor worker RSL of 800 mg/kg and the commercial/industrial CHHSL of 320 mg/kg.

No selenium was detected in the two shallow soil samples. The laboratory PQL for selenium was 1.0 mg/kg and is below the EPA outdoor worker RSL of 6,490 mg/kg and the commercial/industrial CHHSL of 4,800 mg/kg.

5.2.2 Petroleum Storage Area

In the drum storage/usage area and the 300 gallon gasoline AST petroleum storage area, chemical analysis of the soil samples was performed for the following chemicals: TPHg, TPHd, TPHo, and VOCs using EPA Methods 8015 and 8260. No TPHg or VOCs were reported above their PQLs at either location.

Detected petroleum hydrocarbon concentrations at the AST location included TPHd and TPHo at maximum concentrations of 13 and 25 mg/kg, respectively. Detected petroleum hydrocarbon concentrations at the 55-gallon drum dispensers included TPHd and TPHo at



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Investigation Results
July 29, 2014

maximum concentrations of 400 and 890 mg/kg, respectively (Table 3). The California Regional Water Quality Control Board (RWQCB) has established a Maximum Soil Screening Level guidance for TPHg, TPHd, and TPHo based on the depth to the drinking water aquifers. Based on the local well information for the Site, the depth to groundwater ranges from 170 to 370 feet bgs. The Maximum Soil Screening Level guidance indicated that where groundwater is greater than 150 feet bgs, the cleanup levels are 1,000 mg/kg for TPHg; 10,000 mg/kg for TPHd; and 50,000 mg/kg for TPHo.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Conclusions and Recommendations
July 29, 2014

6.0 Conclusions and Recommendations

The Phase II ESA was conducted based on the results of Stantec's Phase I ESA prepared for RE Tranquillity LLC, dated September 27, 2013. In the Phase I ESA, Stantec recommended performing a Phase II ESA investigation on the historic agricultural parcels identified as the Wakefield Parcels within the Tranquillity site. Historical records indicate that the Wakefield Parcels were used for agricultural purposes from at least 1955 until the mid-2000s. Additionally, the Phase I ESA identified the two areas where petroleum storage and usage occurred on the property. The Phase I ESA identified both the historic agricultural use and the petroleum storage/usage on the property as recognized environmental conditions.

Based on that information, Stantec recommended performing a Phase II subsurface investigation to (1) sample and analyze soil to determine whether pesticides or the heavy metals that typically accompany herbicide application (i.e., arsenic and lead), are present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels and (2) sample and analyze soil to determine whether the petroleum storage/usage on the Site has released hydrocarbons into the subsurface at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

As part of the Site development, a Draft EIR was prepared. The Draft EIR documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a contaminant of concern. The soil samples were analyzed for selenium to determine if selenium is present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

The scope of the Phase II ESA included the collection of two (2) shallow soil samples for pesticides arsenic, lead, and selenium across the Wakefield Parcels and the collection of four (4) soil samples adjacent to the petroleum storage/usage areas on July 1, 2014. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the petroleum storage/usage, historical agricultural use of the Site, and the potential presence of selenium.

6.1 AGRICULTURAL LAND

Chemical analysis of the 2 shallow soil samples reported concentrations of DDE, DDT, and toxaphene above their PQL s. No other organochlorine pesticides were reported above their PQLs. DDE is a breakdown product of DDT, which was used in the past as an insecticide. No reported concentrations, however, exceeded the EPA RSLs for outdoor workers or the CHHSLs for commercial/industrial land use for DDE, DDT, and toxaphene. Accordingly, Stantec concludes that pesticides do not represent a REC to the Site.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Conclusions and Recommendations
July 29, 2014

Laboratory results detected arsenic in both soil samples - with a maximum concentration of 6.8 mg/kg. Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSLs and the CHHSLs. At the Site, the detected arsenic concentrations are above the EPA outdoor worker RSL of 3.34 mg/kg and the CHHSL for commercial/industrial land use of 0.24 mg/kg - but well within naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California).

Additionally, lead was detected both soil samples with a maximum concentration of 7.2 mg/kg. All concentrations of lead are below the EPA outdoor worker RSL of 800 mg/kg and the commercial/industrial CHHSL of 320 mg/kg.

No selenium was detected in the two shallow soil samples. The laboratory PQL for selenium was 1.0 mg/kg and is below the EPA outdoor worker RSL of 6,490 mg/kg and the commercial/industrial CHHSL of 4,800 mg/kg.

Stantec concludes that arsenic, lead, and selenium do not represent a REC to the Site. As a result, the detected metals and pesticides present no issue to on-site construction workers or the intended use of the Site, and the historical agricultural use does not represent a recognized environmental condition to the Site.

6.2 PETROLEUM STORAGE AREAS

Four soil samples were collected from the two petroleum storage/usage areas of the Tranquillity Wakefield parcels on July 1, 2014. No odors or staining was noted in the soils encountered.

In the drum storage/usage area and the 300 gallon gasoline aboveground storage tank (AST) petroleum storage area, chemical analysis of the soil samples was performed for the following chemicals: total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), oil (TPHo) and volatile organic compounds (VOCs). No TPHg or VOCs were reported above their PQLs at either location. Detected petroleum hydrocarbon concentrations at the AST included TPHd and TPHo at maximum concentrations of 13 and 25 mg/kg, respectively. Detected petroleum hydrocarbon concentrations at the 55-gallon drum dispensers included TPHd and TPHo at maximum concentrations of 400 and 890 mg/kg, respectively. All detected petroleum hydrocarbon concentrations are below the California Regional Water Quality Control Board Maximum Soil Screening Level guidance for groundwater greater than 150 feet below the ground surface (bgs) for TPHd (10,000 mg/kg) and TPHo (50,000 mg/kg).

Based on the visual inspection and laboratory results, the petroleum hydrocarbon impacts at the AST and drum oil drum dispensers do not extend over a large area. In light of the localized, limited impacts, Stantec concludes that the petroleum hydrocarbon-impacted soil represents a *de minimis* condition and does not represent a REC. The petroleum hydrocarbon impacts at the AST location are minor and no remediation work is required. However, prior to Site development



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Conclusions and Recommendations
July 29, 2014

activities, Stantec recommends that the soil beneath the 55 gallon oil dispensers be excavated and removed from the Site for off-site disposal.

Stantec concludes that the assessment indicates that the historical agricultural use and petroleum storage/usage on the Site do not represent RECs. Accordingly, Stantec concludes that there are no RECs associated with Wakefield Parcels (i.e., the historic agricultural usage/petroleum storage usage on the Site), and recommends no further investigation regarding the historic agricultural usage/petroleum storage usage or the Wakefield Parcels.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Closure
July 29, 2014

7.0 Closure

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement between Recurrent Energy Development Holdings, LLC and Stantec Consulting Services Inc., the consulting services agreement shall control.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

References
July 29, 2014

8.0 References

California Division of Mines and Geology (CDMG), 2000, Digital Images of Alquist-Priolo Earthquake Fault Zones of California, Central Coast Region, CD 2000-004.

_____, 1994, Fault Activity Map of California and Adjacent Areas with Locations and Ages of Volcanic Eruptions, scale 1:750,000

_____, 1958, Geologic Map of California, Santa Cruz Sheet, scale 1:250,000

California Department of Water Resources (CDWR), Integrated Water Resources Information Services Viewer, 2013, <http://www.water.ca.gov/iwris>.

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 3725142.2s, dated September 12, 2013.

Environmental Data Resources, Inc. (EDR), USGS Aerial Photography, Inquiry Number 3725142.5, dated September 12, 2013.

Stantec Consulting Services Inc., 2013, Phase I Environmental Site Assessment, RE tranquility, LLC, Highway 33 and South of Manning Ave., Fresno County, California, dated September 27, 2013.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Tables
July 29, 2014

Tables



Attorney / Client Privileged

Table 1
Summary of Soil Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - RE Tranquillity Wakefield Property
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	DDE (mg/kg)	DDT (mg/kg)	Toxaphene (mg/kg)
EPA RSLs			7.55	9.5	2.33
CHHSLs			6.3	6.3	1.8
W-1	6 to 12	7/1/2014	0.019	0.0065	0.170
W-2	6 to 12	7/1/2014	0.061	0.023	0.370

Notes:

EPA RSL = Environmental Protection Agency Regional Screening Levels in mg/kg for outdoor worker

CHHSLs = California Human Health Screening Levels for Commercial/Industrial Land Use Only in mg/kg

mg/kg = milligrams per kilogram

DDE = 4,4-dichlorodiphenyldichloroethene

DDT = 4,4-dichlorodiphenyltrichloroethane

Bold = Detectable Concentration

Table 2
Summary of Soil Analytical Results - Arsenic, Lead and Selenium
Phase II Environmental Site Assessment - RE Tranquillity Wakefield Property
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	Arsenic (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)
EPA RSLs			3.34	800	6,490
CHHSLs			0.24	320	4,800
W-1	6 to 12	7/1/2014	6.1	6.8	<1.0
W-2	6 to 12	7/1/2014	6.8	7.2	<1.0

Notes:

Bold = Detectable Concentration

EPA RSLs = Environmental Protection Agency Regional Screening Levels in mg/kg for outdoor worker

CHHSLs = California Human Health Screening Levels for Commercial/Industrial Land Use Only in mg/kg

mg/kg = milligrams per kilogram

Table 3
Summary of Soil Analytical Results -Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment - RE Tranquillity Wakefield Property
Fresno County, California

			TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)
CRWQCB Maximum Soil Screening Levels (groundwater >150 feet below the groundsurface)			1,000	10,000	50,000
Sample Identification	Depth (feet)	Sample Date			
W-3.2	2	7/1/2014	<1.0	7.9	22
W-4.2	2	7/1/2014	<1.0	400	890
W-5.2	2	7/1/2014	<1.0	2.8	3.8
W-5.3	3	7/1/2014	<1.0	13	25

Notes:

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

TPHo = total petroleum hydrocarbons as oil

Bold = Detectable Concentration

CRWQCB = California Regional Water Quality Control Board

mg/kg = milligrams per kilogram

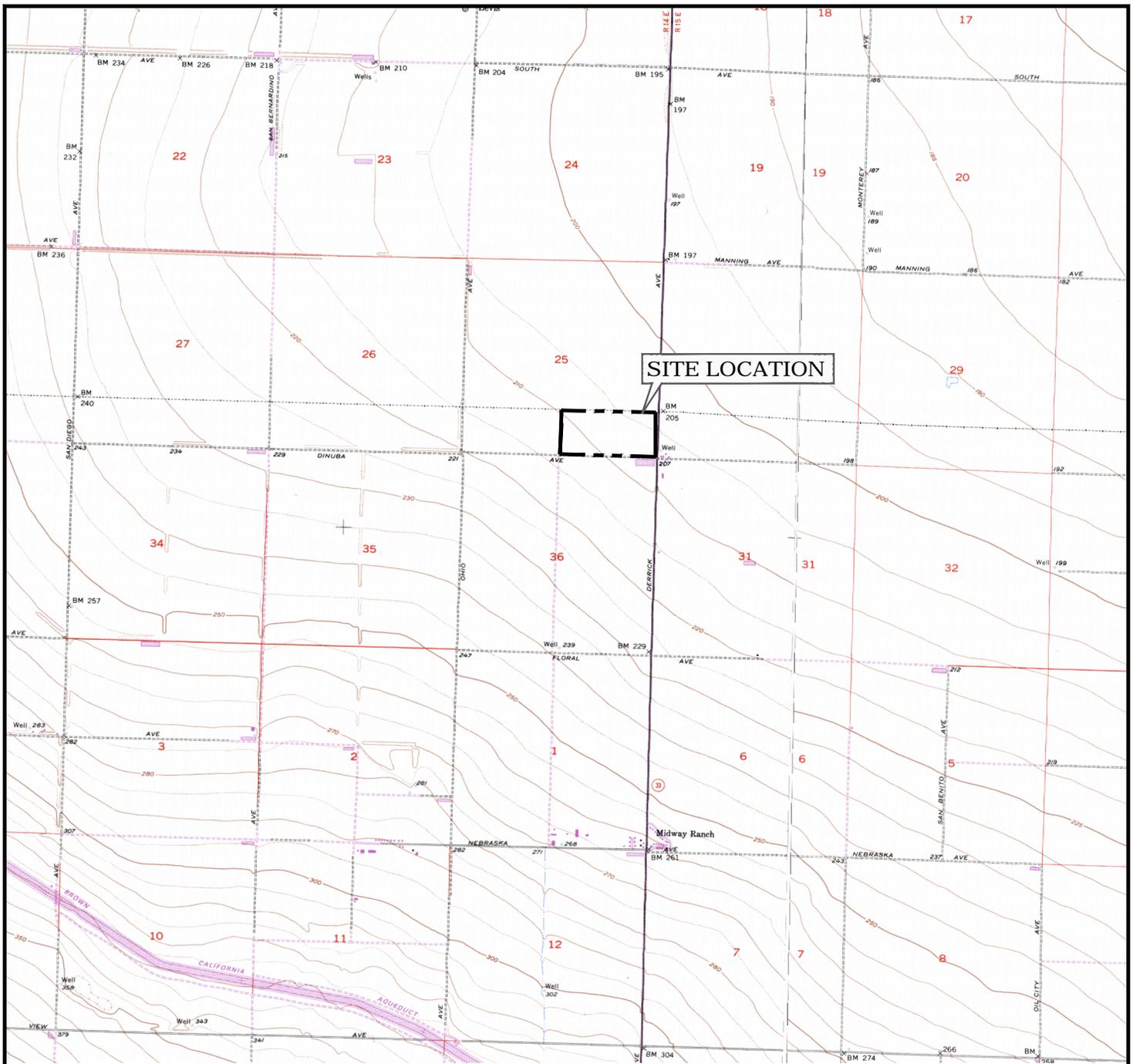
**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Figures
July 29, 2014

Figures



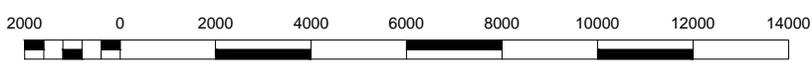
Attorney / Client Privileged



CALIFORNIA



SCALE IN MILE



SCALE IN FEET

REFERENCE: CA Digital Raster Graphics (<http://gis.ca.gov/casil/usgs.gov/>)
 7.5 Minute Series, Albers NAD83, Trimmed
 Block o33117e8 & o33117g8, Downloaded 5/14/10

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.



25864-F BUSINESS CENTER DRIVE
 REDLANDS, CALIFORNIA 92374
 PHONE: (909) 335-6116 FAX: (909) 556-6516

FOR:
 RE Tranquillity, LLC
 Highway 33 & South of Manning Ave
 Tranquillity, California

SITE LOCATION MAP

FIGURE:
1

JOB NUMBER: 185803073
 DRAWN BY: J. LIEBERMAN

CHECKED BY: R. CARSON

APPROVED BY: R. CARSON

DATE: JULY 2014



LEGEND:

	APPROXIMATE SITE BOUNDARY
	SOIL SAMPLE LOCATION (APPROXIMATE)



Stantec

25864-F BUSINESS CENTER DRIVE
 REDLANDS, CALIFORNIA 92374
 PHONE: (909) 335-6116 FAX: (909) 556-6516

FOR: RE Tranquillity, LLC Highway 33 & South of Manning Ave Tranquillity, California	
JOB NUMBER: 185803073	DRAWN BY: J. LIEBERMAN

SOIL SAMPLE LOCATION MAP WAKEFIELD PARCEL	
CHECKED BY: R. CARSON	APPROVED BY: R. CARSON

FIGURE: 2
DATE: JULY 2014

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WAKEFIELD PARCELS,
FRESNO COUNTY, CALIFORNIA**

Appendix A
July 29, 2014

Appendix A Laboratory Data Sheets and QA/QC Results



Attorney / Client Privileged

July 15, 2014

Ralph Carson
Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno, CA 93711
Tel: (559) 271-2650
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1401955
Client Reference : RE Tranquility, 185803073

Enclosed are the results for sample(s) received on July 02, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-1	1401955-39	Soil	7/01/14 11:05	7/02/14 8:30
W-2	1401955-40	Soil	7/01/14 10:15	7/02/14 8:30



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID W-1

Lab ID: 1401955-39

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.1	1.0	1	B4G0084	07/07/2014	07/08/14 15:30	
Lead	6.8	1.0	1	B4G0084	07/07/2014	07/08/14 15:30	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:30	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
4,4'-DDE	19	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
4,4'-DDT	6.5	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 23:40	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:40	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 23:40	
Toxaphene [2C]	170	50	1	B4G0072	07/05/2014	07/08/14 23:40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>66.7 %</i>	<i>29 - 143</i>		B4G0072	07/05/2014	07/08/14 23:40	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>49.8 %</i>	<i>52 - 114</i>		B4G0072	07/05/2014	07/08/14 23:40	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID W-2

Lab ID: 1401955-40

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B4G0084	07/07/2014	07/08/14 15:32	
Lead	7.2	1.0	1	B4G0084	07/07/2014	07/08/14 15:32	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:32	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
4,4'-DDE	61	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
4,4'-DDT [2C]	23	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 23:50	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:50	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 23:50	
Toxaphene [2C]	370	50	1	B4G0072	07/05/2014	07/08/14 23:50	
Surrogate: Decachlorobiphenyl	58.4 %	29 - 143		B4G0072	07/05/2014	07/08/14 23:50	
Surrogate: Tetrachloro-m-xylene	45.6 %	52 - 114		B4G0072	07/05/2014	07/08/14 23:50	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B4G0084 - EPA 3050B

Blank (B4G0084-BLK1)

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	ND	1.0			NR			
Lead	ND	1.0			NR			
Selenium	ND	1.0			NR			

LCS (B4G0084-BS1)

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	46.5699	1.0	50.0000		93.1	80 - 120		
Lead	48.1205	1.0	50.0000		96.2	80 - 120		
Selenium	42.5730	1.0	50.0000		85.1	80 - 120		

Matrix Spike (B4G0084-MS1)

Source: 1401955-23

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	102.380	1.0	125.000	6.66219	76.6	52 - 109		
Lead	97.3495	1.0	125.000	6.83768	72.4	43 - 120		
Selenium	91.1884	1.0	125.000	1.25332	71.9	57 - 101		

Matrix Spike Dup (B4G0084-MSD1)

Source: 1401955-23

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	101.286	1.0	125.000	6.66219	75.7	52 - 109	1.07	20
Lead	98.1177	1.0	125.000	6.83768	73.0	43 - 120	0.786	20
Selenium	93.0344	1.0	125.000	1.25332	73.4	57 - 101	2.00	20



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B4G0072 - GCSEMI_PCB/PEST

Blank (B4G0072-BLK1)

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDD	ND	2.0			NR				
4,4'-DDD [2C]	ND	2.0			NR				
4,4'-DDE	ND	2.0			NR				
4,4'-DDE [2C]	ND	2.0			NR				
4,4'-DDT	ND	2.0			NR				
4,4'-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B4G0072 - GCSEMI_PCB/PEST (continued)

Blank (B4G0072-BLK1) - Continued

Prepared: 7/5/2014 Analyzed: 7/8/2014

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<hr/>									
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.12</i>		<i>16.6667</i>		<i>72.7</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.21</i>		<i>16.6667</i>		<i>73.3</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>10.96</i>		<i>16.6667</i>		<i>65.8</i>	<i>52 - 114</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.39</i>		<i>16.6667</i>		<i>68.4</i>	<i>52 - 114</i>			

LCS (B4G0072-BS1)

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDT	12.0845	2.0	16.6667		72.5	50 - 110			
4,4'-DDT [2C]	12.1873	2.0	16.6667		73.1	50 - 110			
Aldrin	11.6688	1.0	16.6667		70.0	59 - 101			
Aldrin [2C]	12.0368	1.0	16.6667		72.2	59 - 101			
Dieldrin	12.2755	2.0	16.6667		73.7	55 - 101			
Dieldrin [2C]	12.5435	2.0	16.6667		75.3	55 - 101			
Endrin	12.7988	2.0	16.6667		76.8	49 - 109			
Endrin [2C]	12.8747	2.0	16.6667		77.2	49 - 109			
gamma-BHC	12.3378	1.0	16.6667		74.0	62 - 102			
gamma-BHC [2C]	12.1917	1.0	16.6667		73.2	62 - 102			
Heptachlor	14.4118	1.0	16.6667		86.5	50 - 123			
Heptachlor [2C]	13.8547	1.0	16.6667		83.1	50 - 123			
<hr/>									
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.65</i>		<i>16.6667</i>		<i>75.9</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.53</i>		<i>16.6667</i>		<i>75.2</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>10.47</i>		<i>16.6667</i>		<i>62.8</i>	<i>52 - 114</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.00</i>		<i>16.6667</i>		<i>66.0</i>	<i>52 - 114</i>			

Matrix Spike (B4G0072-MS1)

Source: 1401955-25

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDT	14.3217	2.0	16.6667	3.95017	62.2	32 - 161			
4,4'-DDT [2C]	15.1582	2.0	16.6667	3.93533	67.3	32 - 161			
Aldrin	9.46717	1.0	16.6667	ND	56.8	51 - 137			
Aldrin [2C]	10.1323	1.0	16.6667	ND	60.8	51 - 137			
Dieldrin	10.1990	2.0	16.6667	ND	61.2	39 - 150			
Dieldrin [2C]	11.2287	2.0	16.6667	ND	67.4	39 - 150			
Endrin	10.8865	2.0	16.6667	ND	65.3	41 - 160			
Endrin [2C]	11.1688	2.0	16.6667	ND	67.0	41 - 160			
gamma-BHC	9.97900	1.0	16.6667	ND	59.9	63 - 126			M2
gamma-BHC [2C]	10.2157	1.0	16.6667	ND	61.3	63 - 126			M2
Heptachlor	11.5153	1.0	16.6667	ND	69.1	32 - 177			
Heptachlor [2C]	11.8147	1.0	16.6667	ND	70.9	32 - 177			
<hr/>									
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.65</i>		<i>16.6667</i>		<i>63.9</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.94</i>		<i>16.6667</i>		<i>65.6</i>	<i>29 - 143</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B4G0072 - GCSEMI_PCB/PEST (continued)

Matrix Spike (B4G0072-MS1) - Continued

Source: 1401955-25

Prepared: 7/5/2014 Analyzed: 7/8/2014

<i>Surrogate: Tetrachloro-m-xylene</i>	8.341		16.6667		50.0	52 - 114			S10
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	8.861		16.6667		53.2	52 - 114			

Matrix Spike Dup (B4G0072-MSD1)

Source: 1401955-25

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDT	16.1262	2.0	16.6667	3.95017	73.1	32 - 161	11.9	20	
4,4'-DDT [2C]	17.1550	2.0	16.6667	3.93533	79.3	32 - 161	12.4	20	
Aldrin	10.5578	1.0	16.6667	ND	63.3	51 - 137	10.9	20	
Aldrin [2C]	11.2353	1.0	16.6667	ND	67.4	51 - 137	10.3	20	
Dieldrin	11.3065	2.0	16.6667	ND	67.8	39 - 150	10.3	20	
Dieldrin [2C]	12.3330	2.0	16.6667	ND	74.0	39 - 150	9.37	20	
Endrin	12.0908	2.0	16.6667	ND	72.5	41 - 160	10.5	20	
Endrin [2C]	12.3072	2.0	16.6667	ND	73.8	41 - 160	9.70	20	
gamma-BHC	11.2400	1.0	16.6667	ND	67.4	63 - 126	11.9	20	
gamma-BHC [2C]	11.4248	1.0	16.6667	ND	68.5	63 - 126	11.2	20	
Heptachlor	12.9942	1.0	16.6667	ND	78.0	32 - 177	12.1	20	
Heptachlor [2C]	13.1705	1.0	16.6667	ND	79.0	32 - 177	10.9	20	

<i>Surrogate: Decachlorobiphenyl</i>	11.45		16.6667		68.7	29 - 143			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	11.71		16.6667		70.3	29 - 143			
<i>Surrogate: Tetrachloro-m-xylene</i>	9.220		16.6667		55.3	52 - 114			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	9.764		16.6667		58.6	52 - 114			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/15/2014

Notes and Definitions

S10	Surrogate recovery outside of laboratory acceptance limit possibly due to matrix interference.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

July 09, 2014

Ralph Carson
Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno, CA 93711
Tel: (559) 271-2650
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1401957
Client Reference : RE Tranquility, 185803073

Enclosed are the results for sample(s) received on July 02, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-3.2	1401957-01	Soil	7/01/14 10:45	7/02/14 8:30
W-4.2	1401957-02	Soil	7/01/14 11:00	7/02/14 8:30
W-5.2	1401957-03	Soil	7/01/14 11:35	7/02/14 8:30
W-5.3	1401957-04	Soil	7/01/14 11:45	7/02/14 8:30



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-3.2

Lab ID: 1401957-01

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: AG

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B4G0069	07/08/2014	07/08/14 09:37	
Surrogate: 4-Bromofluorobenzene	110 %	48 - 137		B4G0069	07/08/2014	07/08/14 09:37	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	7.9	1.0	1	B4G0081	07/07/2014	07/07/14 13:22	
ORO	22	1.0	1	B4G0081	07/07/2014	07/07/14 13:22	
Surrogate: p-Terphenyl	71.7 %	26 - 145		B4G0081	07/07/2014	07/07/14 13:22	

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,1,1-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,1,2-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,1-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,1-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,1-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2,3-Trichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2,3-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2,4-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2,4-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2-Dibromo-3-chloropropane	ND	10	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2-Dibromoethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,3,5-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,3-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,3-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
1,4-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
2,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
2-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-3.2

Lab ID: 1401957-01

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
4-Isopropyltoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Benzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Bromobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Bromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Bromodichloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Bromoform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Bromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Carbon disulfide	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Carbon tetrachloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Chlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Chloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Chloroform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Chloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
cis-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
cis-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Di-isopropyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Dibromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Dibromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Dichlorodifluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Ethyl Acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:09	
Ethyl Ether	ND	50	1	B4G0060	07/03/2014	07/03/14 20:09	
Ethyl tert-butyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Ethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Freon-113	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Hexachlorobutadiene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Isopropylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
m,p-Xylene	ND	10	1	B4G0060	07/03/2014	07/03/14 20:09	
Methylene chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
MTBE	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
n-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
n-Propylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Naphthalene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
o-Xylene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
sec-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Styrene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
tert-Amyl methyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

Client Sample ID W-3.2

Lab ID: 1401957-01

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B4G0060	07/03/2014	07/03/14 20:09	
tert-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Tetrachloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Toluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
trans-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
trans-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Trichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Trichlorofluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
Vinyl acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:09	
Vinyl chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:09	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>92.4 %</i>	<i>67 - 152</i>		B4G0060	07/03/2014	<i>07/03/14 20:09</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.3 %</i>	<i>59 - 135</i>		B4G0060	07/03/2014	<i>07/03/14 20:09</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>94.7 %</i>	<i>71 - 150</i>		B4G0060	07/03/2014	<i>07/03/14 20:09</i>	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>77 - 129</i>		B4G0060	07/03/2014	<i>07/03/14 20:09</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

Client Sample ID W-4.2

Lab ID: 1401957-02

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: AG

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B4G0069	07/08/2014	07/08/14 09:53	
Surrogate: 4-Bromofluorobenzene	88.5 %	48 - 137		B4G0069	07/08/2014	07/08/14 09:53	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	400	25	25	B4G0081	07/07/2014	07/07/14 20:04	
ORO	890	25	25	B4G0081	07/07/2014	07/07/14 20:04	
Surrogate: p-Terphenyl	0%	26 - 145		B4G0081	07/07/2014	07/07/14 20:04	S4

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,1,1-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,1,2-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,1-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,1-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,1-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2,3-Trichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2,3-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2,4-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2,4-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2-Dibromo-3-chloropropane	ND	10	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2-Dibromoethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,3,5-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,3-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,3-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
1,4-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
2,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
2-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

Client Sample ID W-4.2

Lab ID: 1401957-02

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
4-Isopropyltoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Benzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Bromobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Bromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Bromodichloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Bromoform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Bromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Carbon disulfide	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Carbon tetrachloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Chlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Chloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Chloroform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Chloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
cis-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
cis-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Di-isopropyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Dibromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Dibromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Dichlorodifluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Ethyl Acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:25	
Ethyl Ether	ND	50	1	B4G0060	07/03/2014	07/03/14 20:25	
Ethyl tert-butyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Ethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Freon-113	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Hexachlorobutadiene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Isopropylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
m,p-Xylene	ND	10	1	B4G0060	07/03/2014	07/03/14 20:25	
Methylene chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
MTBE	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
n-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
n-Propylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Naphthalene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
o-Xylene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
sec-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Styrene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
tert-Amyl methyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-4.2

Lab ID: 1401957-02

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B4G0060	07/03/2014	07/03/14 20:25	
tert-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Tetrachloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Toluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
trans-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
trans-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Trichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Trichlorofluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
Vinyl acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:25	
Vinyl chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99.4 %</i>	<i>67 - 152</i>		B4G0060	07/03/2014	07/03/14 20:25	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>85.2 %</i>	<i>59 - 135</i>		B4G0060	07/03/2014	07/03/14 20:25	
<i>Surrogate: Dibromofluoromethane</i>	<i>97.3 %</i>	<i>71 - 150</i>		B4G0060	07/03/2014	07/03/14 20:25	
<i>Surrogate: Toluene-d8</i>	<i>106 %</i>	<i>77 - 129</i>		B4G0060	07/03/2014	07/03/14 20:25	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-5.2

Lab ID: 1401957-03

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: AG

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B4G0069	07/08/2014	07/08/14 10:09	
Surrogate: 4-Bromofluorobenzene	107 %	48 - 137		B4G0069	07/08/2014	07/08/14 10:09	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	2.8	1.0	1	B4G0081	07/07/2014	07/07/14 12:48	
ORO	3.8	1.0	1	B4G0081	07/07/2014	07/07/14 12:48	
Surrogate: p-Terphenyl	76.8 %	26 - 145		B4G0081	07/07/2014	07/07/14 12:48	

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,1,1-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,1,2-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,1-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,1-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,1-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2,3-Trichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2,3-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2,4-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2,4-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2-Dibromo-3-chloropropane	ND	10	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2-Dibromoethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,3,5-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,3-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,3-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
1,4-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
2,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
2-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

Client Sample ID W-5.2

Lab ID: 1401957-03

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
4-Isopropyltoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Benzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Bromobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Bromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Bromodichloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Bromoform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Bromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Carbon disulfide	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Carbon tetrachloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Chlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Chloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Chloroform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Chloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
cis-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
cis-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Di-isopropyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Dibromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Dibromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Dichlorodifluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Ethyl Acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:42	
Ethyl Ether	ND	50	1	B4G0060	07/03/2014	07/03/14 20:42	
Ethyl tert-butyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Ethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Freon-113	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Hexachlorobutadiene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Isopropylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
m,p-Xylene	ND	10	1	B4G0060	07/03/2014	07/03/14 20:42	
Methylene chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
MTBE	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
n-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
n-Propylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Naphthalene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
o-Xylene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
sec-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Styrene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
tert-Amyl methyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

Client Sample ID W-5.2

Lab ID: 1401957-03

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B4G0060	07/03/2014	07/03/14 20:42	
tert-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Tetrachloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Toluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
trans-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
trans-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Trichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Trichlorofluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
Vinyl acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:42	
Vinyl chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:42	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>102 %</i>	<i>67 - 152</i>		B4G0060	07/03/2014	<i>07/03/14 20:42</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.4 %</i>	<i>59 - 135</i>		B4G0060	07/03/2014	<i>07/03/14 20:42</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>100 %</i>	<i>71 - 150</i>		B4G0060	07/03/2014	<i>07/03/14 20:42</i>	
<i>Surrogate: Toluene-d8</i>	<i>108 %</i>	<i>77 - 129</i>		B4G0060	07/03/2014	<i>07/03/14 20:42</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-5.3

Lab ID: 1401957-04

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: AG

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	1	B4G0069	07/08/2014	07/08/14 10:25	
Surrogate: 4-Bromofluorobenzene	112 %	48 - 137		B4G0069	07/08/2014	07/08/14 10:25	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	13	1.0	1	B4G0081	07/07/2014	07/07/14 13:39	
ORO	25	1.0	1	B4G0081	07/07/2014	07/07/14 13:39	
Surrogate: p-Terphenyl	94.7 %	26 - 145		B4G0081	07/07/2014	07/07/14 13:39	

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,1,1-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,1,2-Trichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,1-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,1-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,1-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2,3-Trichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2,3-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2,4-Trichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2,4-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2-Dibromo-3-chloropropane	ND	10	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2-Dibromoethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2-Dichloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,3,5-Trimethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,3-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,3-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
1,4-Dichlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
2,2-Dichloropropane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
2-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-5.3

Lab ID: 1401957-04

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
4-Isopropyltoluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Benzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Bromobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Bromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Bromodichloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Bromoform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Bromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Carbon disulfide	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Carbon tetrachloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Chlorobenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Chloroethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Chloroform	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Chloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
cis-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
cis-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Di-isopropyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Dibromochloromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Dibromomethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Dichlorodifluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Ethyl Acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:59	
Ethyl Ether	ND	50	1	B4G0060	07/03/2014	07/03/14 20:59	
Ethyl tert-butyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Ethylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Freon-113	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Hexachlorobutadiene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Isopropylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
m,p-Xylene	ND	10	1	B4G0060	07/03/2014	07/03/14 20:59	
Methylene chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
MTBE	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
n-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
n-Propylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Naphthalene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
o-Xylene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
sec-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Styrene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
tert-Amyl methyl ether	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Client Sample ID W-5.3

Lab ID: 1401957-04

Volatile Organic Compounds by EPA 8260B

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B4G0060	07/03/2014	07/03/14 20:59	
tert-Butylbenzene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Tetrachloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Toluene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
trans-1,2-Dichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
trans-1,3-Dichloropropene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Trichloroethene	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Trichlorofluoromethane	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
Vinyl acetate	ND	50	1	B4G0060	07/03/2014	07/03/14 20:59	
Vinyl chloride	ND	5.0	1	B4G0060	07/03/2014	07/03/14 20:59	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>113 %</i>	<i>67 - 152</i>		B4G0060	07/03/2014	<i>07/03/14 20:59</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	<i>59 - 135</i>		B4G0060	07/03/2014	<i>07/03/14 20:59</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>114 %</i>	<i>71 - 150</i>		B4G0060	07/03/2014	<i>07/03/14 20:59</i>	
<i>Surrogate: Toluene-d8</i>	<i>118 %</i>	<i>77 - 129</i>		B4G0060	07/03/2014	<i>07/03/14 20:59</i>	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4G0069 - GCVOAS									
Blank (B4G0069-BLK1)				Prepared: 7/8/2014 Analyzed: 7/8/2014					
Gasoline Range Organics	ND	1.0				NR			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1961		0.200000		98.1	48 - 137			
LCS (B4G0069-BS1)				Prepared: 7/8/2014 Analyzed: 7/8/2014					
Gasoline Range Organics	5.22900	1.0	5.00000		105	70 - 130			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.1955		0.200000		97.8	48 - 137			
Matrix Spike (B4G0069-MS1)				Source: 1401957-01		Prepared: 7/8/2014 Analyzed: 7/8/2014			
Gasoline Range Organics	3.78000	1.0	5.00000	ND	75.6	50 - 122			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.2227		0.200000		111	48 - 137			
Matrix Spike Dup (B4G0069-MSD1)				Source: 1401957-01		Prepared: 7/8/2014 Analyzed: 7/8/2014			
Gasoline Range Organics	3.75200	1.0	5.00000	ND	75.0	50 - 122	0.743	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.2179		0.200000		109	48 - 137			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
Batch B4G0081 - GCSEMI_DRO_SOIL_LL									
Blank (B4G0081-BLK1)					Prepared: 7/7/2014 Analyzed: 7/7/2014				
DRO	ND	1.0			NR				
ORO	ND	1.0			NR				
<i>Surrogate: p-Terphenyl</i>	2.224		2.66667		83.4	26 - 145			
LCS (B4G0081-BS1)					Prepared: 7/7/2014 Analyzed: 7/7/2014				
DRO	25.3417	1.0	33.3333		76.0	28 - 138			
<i>Surrogate: p-Terphenyl</i>	2.189		2.66667		82.1	26 - 145			
Matrix Spike (B4G0081-MS1)					Prepared: 7/7/2014 Analyzed: 7/7/2014				
DRO	30.1673	1.0	33.3333	4.99633	75.5	18 - 122			
<i>Surrogate: p-Terphenyl</i>	2.144		2.66667		80.4	26 - 145			
Matrix Spike Dup (B4G0081-MSD1)					Prepared: 7/7/2014 Analyzed: 7/7/2014				
DRO	29.4103	1.0	33.3333	4.99633	73.2	18 - 122	2.54	20	
<i>Surrogate: p-Terphenyl</i>	2.080		2.66667		78.0	26 - 145			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	Limit Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	------------------	------------	----------------	-------

Batch B4G0060 - MSVOAS2

Blank (B4G0060-BLK1)

Prepared: 7/3/2014 Analyzed: 7/3/2014

1,1,1,2-Tetrachloroethane	ND	5.0		NR
1,1,1-Trichloroethane	ND	5.0		NR
1,1,2,2-Tetrachloroethane	ND	5.0		NR
1,1,2-Trichloroethane	ND	5.0		NR
1,1-Dichloroethane	ND	5.0		NR
1,1-Dichloroethene	ND	5.0		NR
1,1-Dichloropropene	ND	5.0		NR
1,2,3-Trichloropropane	ND	5.0		NR
1,2,3-Trichlorobenzene	ND	5.0		NR
1,2,4-Trichlorobenzene	ND	5.0		NR
1,2,4-Trimethylbenzene	ND	5.0		NR
1,2-Dibromo-3-chloropropane	ND	10		NR
1,2-Dibromoethane	ND	5.0		NR
1,2-Dichlorobenzene	ND	5.0		NR
1,2-Dichloroethane	ND	5.0		NR
1,2-Dichloropropane	ND	5.0		NR
1,3,5-Trimethylbenzene	ND	5.0		NR
1,3-Dichlorobenzene	ND	5.0		NR
1,3-Dichloropropane	ND	5.0		NR
1,4-Dichlorobenzene	ND	5.0		NR
2,2-Dichloropropane	ND	5.0		NR
2-Chlorotoluene	ND	5.0		NR
4-Chlorotoluene	ND	5.0		NR
4-Isopropyltoluene	ND	5.0		NR
Benzene	ND	5.0		NR
Bromobenzene	ND	5.0		NR
Bromochloromethane	ND	5.0		NR
Bromodichloromethane	ND	5.0		NR
Bromoform	ND	5.0		NR
Bromomethane	ND	5.0		NR
Carbon disulfide	ND	5.0		NR
Carbon tetrachloride	ND	5.0		NR
Chlorobenzene	ND	5.0		NR
Chloroethane	ND	5.0		NR
Chloroform	ND	5.0		NR
Chloromethane	ND	5.0		NR
cis-1,2-Dichloroethene	ND	5.0		NR
cis-1,3-Dichloropropene	ND	5.0		NR
Di-isopropyl ether	ND	5.0		NR
Dibromochloromethane	ND	5.0		NR
Dibromomethane	ND	5.0		NR



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	--------	-----	--------------	-------

Batch B4G0060 - MSVOAS2 (continued)

Blank (B4G0060-BLK1) - Continued

Prepared: 7/3/2014 Analyzed: 7/3/2014

Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100.2</i>		<i>100.000</i>		<i>100</i>	<i>67 - 152</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104.1</i>		<i>100.000</i>		<i>104</i>	<i>59 - 135</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>101.3</i>		<i>100.000</i>		<i>101</i>	<i>71 - 150</i>			
<i>Surrogate: Toluene-d8</i>	<i>112.3</i>		<i>100.000</i>		<i>112</i>	<i>77 - 129</i>			

LCS (B4G0060-BS1)

Prepared: 7/3/2014 Analyzed: 7/3/2014

1,1-Dichloroethene	39.2000	5.0	50.0000		78.4	62 - 129			
Benzene	46.9400	5.0	50.0000		93.9	82 - 121			
Chlorobenzene	46.7200	5.0	50.0000		93.4	83 - 132			
MTBE	47.0900	5.0	50.0000		94.2	55 - 138			
Toluene	48.0400	5.0	50.0000		96.1	80 - 129			
Trichloroethene	47.0900	5.0	50.0000		94.2	75 - 133			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86.59</i>		<i>100.000</i>		<i>86.6</i>	<i>67 - 152</i>			
---	--------------	--	----------------	--	-------------	-----------------	--	--	--



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/09/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B4G0060 - MSVOAS2 (continued)

LCS (B4G0060-BS1) - Continued

Prepared: 7/3/2014 Analyzed: 7/3/2014

Surrogate: 4-Bromofluorobenzene	90.67	100.000	90.7	59 - 135
Surrogate: Dibromofluoromethane	89.01	100.000	89.0	71 - 150
Surrogate: Toluene-d8	96.39	100.000	96.4	77 - 129

Matrix Spike (B4G0060-MS1)

Source: 1401957-04

Prepared: 7/3/2014 Analyzed: 7/3/2014

1,1-Dichloroethene	45.8800	5.0	50.0000	ND	91.8	51 - 125
Benzene	49.1300	5.0	50.0000	ND	98.3	61 - 123
Chlorobenzene	47.5600	5.0	50.0000	ND	95.1	46 - 140
MTBE	49.0400	5.0	50.0000	ND	98.1	45 - 135
Toluene	50.0700	5.0	50.0000	ND	100	45 - 140
Trichloroethene	49.6500	5.0	50.0000	ND	99.3	50 - 146

Surrogate: 1,2-Dichloroethane-d4	109.6	100.000	110	67 - 152
Surrogate: 4-Bromofluorobenzene	109.2	100.000	109	59 - 135
Surrogate: Dibromofluoromethane	108.0	100.000	108	71 - 150
Surrogate: Toluene-d8	114.8	100.000	115	77 - 129

Matrix Spike Dup (B4G0060-MSD1)

Source: 1401957-04

Prepared: 7/3/2014 Analyzed: 7/3/2014

1,1-Dichloroethene	36.9400	5.0	50.0000	ND	73.9	51 - 125	21.6	20	R2
Benzene	43.4400	5.0	50.0000	ND	86.9	61 - 123	12.3	20	
Chlorobenzene	42.5100	5.0	50.0000	ND	85.0	46 - 140	11.2	20	
MTBE	42.5200	5.0	50.0000	ND	85.0	45 - 135	14.2	20	
Toluene	44.5200	5.0	50.0000	ND	89.0	45 - 140	11.7	20	
Trichloroethene	45.2700	5.0	50.0000	ND	90.5	50 - 146	9.23	20	

Surrogate: 1,2-Dichloroethane-d4	97.34	100.000	97.3	67 - 152
Surrogate: 4-Bromofluorobenzene	99.85	100.000	99.8	59 - 135
Surrogate: Dibromofluoromethane	98.38	100.000	98.4	71 - 150
Surrogate: Toluene-d8	105.9	100.000	106	77 - 129



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/09/2014

Notes and Definitions

S4	Surrogate was diluted out.
R2	RPD value outside acceptance criteria due to possible matrix interference.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only
 ATLCCOC Ver. 20130715

Method of Transport
 Client
 FedEx
 GSO
 Other:

Sample Conditions Upon Receipt
 Condition Y N
 1. CHILLED Y N
 2. HEADSPACE (VOA) Y N
 3. CONTAINER INTACT Y N
 4. SEALED Y N

5. # OF SAMPLES MATCH COC
 6. PRESERVED
 7. COOLER TEMP. REG. C.
 8. I. U.

Company: **Stantec Consulting Services Inc.** Address: **3175 W. Shaw Ave #104** Tel: **562-271-2650**
 City: **Fresno** State: **CA** Zip: **93711** Fax: _____
 Attn: **Ralph Carson** Email: **Ralph.Carson@Stantec.com**
 Company: **Stantec** Address: _____
 Address: **3175 W. Shaw Ave #104** City: **Fresno** State: **CA** Zip: **93711**
 Attn: **Same** Email: _____
 Address: _____ City: _____ State: _____ Zip: _____

ITEM	Lab No.	Sample Description	Sample ID / Location	Date	Time	Encircle or Write Requested Analysis	Encircle Sample Matrix	Container	QA/QC	REMARKS
1	140957 - 1	W-3.2		7/1/14	1045	8260 / 624 (Volatiles)	SOIL / SEDIMENT / SLUDGE	151	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Caltrans <input type="checkbox"/> Legal <input type="checkbox"/> RW/QCB <input type="checkbox"/> Level IV	
2	- 2	W-4.2		1100		8015 (GRO)	WATER - DRINKING / GROUND			
3	- 3	W-5.2		1136		8015 (DRO)	WATER - STORM / WASTE			
4	- 4	W-5.3		1145		8082 (PCBS)	SOLIDS / WIPE / FILTER			
5						8270 (Semi-volatiles)				
6						8015 (GRO)				
7						8082 (PCBS)				
8						6010 / 7000 (Title 22 Metals)				
9						TO-15				
10										

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Submitter Print Name: **Mike Myers** Signature: *Mike Myers*
 Date: **7/1/14** Time: **8:30**

Received by: (Signature and Printed Name) *Mike Myers* Date: **7/1/14** Time: **8:30**
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

**Phase II Environmental Site
Assessment,
RE Tranquillity LLC,
Westlands Water District-
Owned Parcels,
Fresno County, California**



Prepared for:
RE Tranquillity LLC
300 California Street, 8th Floor
San Francisco, California 94104

Prepared by:
Stantec Consulting Services Inc.
3475 W. Shaw Ave. #104
Fresno, California 93711

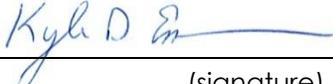
July 23, 2014

Sign-off Sheet

This Phase II Environmental Site Assessment, RE Tranquillity LLC, Westlands Water District-Owned Parcels, Fresno County, California was prepared by Stantec Consulting Services Inc. for RE Tranquillity LLC. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. In the event of any conflict between the terms and conditions of this report and the terms and conditions of the master environmental consulting services agreement between Stantec Consulting Services Inc. and the client (the "MSA"), the MSA shall control.

Prepared by 
(signature)

Ralph Carson, PG
Senior Geologist

Reviewed by 
(signature)

Kyle Emerson, CEG 1271
Managing Principal Geologist



Stantec Consulting Services Inc.
3475 W. Shaw Ave. #104
Fresno CA 93711
Tel: (559) 271-2650
Fax: (559) 271-2650

Executive Summary

July 23, 2014

Ms. Marisa Mitchell
RE Tranquillity LLC
300 California Street, 8th Floor
San Francisco, California 94104

RE: PHASE II ENVIRONMENTAL SITE ASSESSMENT
RE Tranquillity LLC
Westlands Water District-Owned Parcels
Fresno County, California

Dear Ms. Mitchell:

At the request and authorization of RE Tranquillity LLC, Stantec Consulting Services Inc. (Stantec) has prepared this report detailing the results of a Phase II Environmental Site Assessment (ESA) completed at the above referenced property (Site). This Phase II ESA was completed in accordance with Stantec's *Revised Proposal #2 To Conduct Phase II Environmental Site Assessment*, dated May 20, 2014. The results of the completed work are summarized in the following Executive Summary, and described in greater detail in the attached report.

EXECUTIVE SUMMARY

The Phase II ESA was conducted based on the results of Stantec's review of the RE Tranquillity LLC Phase I ESA prepared by Stantec dated September 27, 2013. Stantec recommended performing a Phase II ESA investigation on the historic agricultural parcels identified as the Westlands Water District-Owned Parcels within the Tranquillity site. Historical records indicate that the Westlands Water District-Owned Parcels were used for agricultural purposes from at least 1955 until the mid-2000s. The Phase I ESA identified the historic agricultural use of the property as a recognized environmental condition.

Based on that information, Stantec recommended performing a Phase II subsurface investigation to sample and analyze soil to determine whether pesticides or the heavy metals that typically accompany herbicide application (i.e., arsenic and lead), are present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

As part of the Site development, a Draft Environmental Impact Report (EIR) was prepared. The Draft EIR documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a



Reference: Phase II Environmental Site Assessment

contaminant of concern. The soil samples were analyzed for selenium to determine if selenium is present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

The scope of the Phase II ESA included the collection of 38 shallow soil samples across the Westlands Water District-Owned Parcels of the Site on June 30 and July 1, 2014. The soil samples were collected to evaluate if residual organochlorine pesticides, arsenic, lead, and/or selenium exist at levels of concern for construction workers and Site development. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the historical agricultural use of the Site and the potential presence of selenium.

Chemical analysis of the shallow soil samples reported concentrations of 4,4'-dichlorodiphenyl dichloroethane (DDD), 4,4'-dichlorodiphenyl dichloroethylene (DDE), 4,4'-dichlorodiphenyl trichloroethane (DDT), dieldrin, and toxaphene above their Practical Quantitation Limits (PQLs). No other organochlorine pesticides were reported above their PQLs. DDD and DDE are breakdown products of DDT, which was used in the past as an insecticide. No reported concentrations, however, exceeded US Environmental Protection Agency Regional Screening Levels (EPA RSLs) for outdoor workers or the California Office of Environmental Health Hazard Assessment California Human Health Risk Screening Levels (CHHSLs) for commercial/industrial land use. Accordingly, Stantec concludes that pesticides do not represent a REC to the Site.

Laboratory results reported detections of arsenic in all of the 38 soil samples - with a maximum concentration of 8.3 milligrams per kilogram (mg/kg). Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSLs and the CHHSLs. At the Site, the detected arsenic concentrations are above the EPA outdoor worker RSL of 3.34 mg/kg and the CHHSL for commercial/industrial land use of 0.24 mg/kg - but well within naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California).

Additionally, lead was detected in all of the soil samples with a maximum concentration of 9.4 mg/kg. All concentrations of lead are below the EPA outdoor worker RSL of 800 mg/kg and the commercial/industrial CHHSL of 320 mg/kg.

Selenium was detected in 21 of the 38 soil samples - with a maximum concentration of 1.6 mg/kg. All concentrations of selenium are below the EPA outdoor worker RSL of 6,490 mg/kg and the commercial/industrial CHHSL of 4,800 mg/kg.

Stantec concludes that arsenic, lead, and selenium do not represent a REC to the Site. As a result, the detected metals and pesticides present no issue to on-site construction workers or the intended use of the Site.



July 23, 2014
Phase II ESA, Tranquillity
Page 3 of 3

Reference: Phase II Environmental Site Assessment

Stantec concludes that the assessment indicates that the historical agricultural use of the Site does not represent a recognized environmental condition. Accordingly, Stantec concludes that there are no recognized environmental conditions associated with the historic agricultural usage of the Site and recommends no further investigation regarding the historic agricultural usage.

It has been a pleasure to provide these services for you, and we look forward to working with you in the future. Should there be any questions concerning the information contained in the following report, please contact us at (909) 335-6116.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Kyle Emerson, CEG 1271
Managing Principal Geologist
Phone: 909-335-6116
Fax: 909-335-6120
kyle.emerson@stantec.com

Attachment: Phase II Report

stantec v:\recurrent energy\05_report_deliv\project folders\tranquillity\phase ii esa\phase ii rpt\westland rpt\tranquillity_westland.final.docx



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Table of Contents

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION1.1

1.1 SITE DESCRIPTION AND OPERATIONS..... 1.1

1.2 SITE GEOLOGY AND HYDROGEOLOGY 1.1

2.0 BACKGROUND INFORMATION2.1

3.0 FIELD INVESTIGATION PROGRAM.....3.1

3.1 SCOPE OF WORK 3.1

3.2 SOIL SAMPLING PROCEDURES..... 3.1

 3.2.1 Decontamination Procedures 3.1

 3.2.2 Boring Abandonment Procedures 3.1

4.0 LABORATORY TESTING PROGRAM4.1

5.0 INVESTIGATION RESULTS5.1

5.1 FIELD OBSERVATIONS..... 5.1

5.2 ANALYTICAL RESULTS 5.1

6.0 CONCLUSIONS AND RECOMMENDATIONS.....6.1

7.0 CLOSURE.....7.1

8.0 REFERENCES.....8.1

LIST OF TABLES

- Table 1: Summary of Soil Analytical Results – Organochlorine Pesticides
Table 2: Summary of Soil Analytical Results – Arsenic, Lead, and Selenium

LIST OF FIGURES

- Figure 1: Site Location Map
Figure 2: Soil Sample Location Map, Westlands Water District-Owned Parcels

LIST OF APPENDICES

- Appendix A: Laboratory Data Sheets and QA/QC Results



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Introduction
July 23, 2014

1.0 Introduction

This report documents the methodology and findings of the Phase II Environmental Site Assessment (ESA) completed by Stantec Consulting Services Inc. (Stantec) at the historic agricultural properties identified as the Westlands Water District-Owned Parcels within the RE Tranquillity LLC site ("the Site"). The Site is located southwest of the town of Tranquillity, in a rural area of Fresno County, California.

The Phase II ESA was conducted to determine whether the historical agricultural use of the Site identified in the Phase I ESA performed by Stantec (dated September 27, 2013) resulted in the presence of residual pesticides and or the metals that typically accompany herbicide application are in the soil at levels of concern for construction workers and Site development.

As part of the Site development, a Draft Environmental Impact Report (EIR) was prepared. The Draft EIR documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a contaminant of concern. The soil samples were analyzed for selenium to determine if selenium is present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels. The Phase II ESA field work was conducted on June 30 and July 1, 2014.

The completed work was conducted in accordance with Stantec's *Revised Proposal #2 To Conduct Phase II Environmental Site Assessment*, dated May 20, 2014. The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the Site description and a summary of past operations.

1.1 SITE DESCRIPTION AND OPERATIONS

The Phase I ESA was performed on the Tranquillity Westlands Water District-Owned Parcels that total approximately 3,675 acres. The Site is irregular in shape and is bounded by a dirt farm road and Dinuba Avenue on the north, Nebraska Avenue to the south, San Benito Avenue to the east, and San Bernardino Avenue to the west (Figure 1). The Westlands Water District-Owned Parcels are fallow farm fields that have been tilled recently. Based on Stantec's interpretation of available historical aerial photographs, the Westlands Water District-Owned Parcels were used for agricultural purposes from at least 1955 until the mid-2000s.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located in the southern portion of the Great Valley Geomorphic Province, a region characterized as a trough in which sediments have been deposited almost continuously since the



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Introduction
July 23, 2014

Jurassic. The Site resides in the southern portion of the province where oil fields have been discovered along anticlinal uplifts.

The Site is located in the San Joaquin Valley which is bound to the east by the Sierra Nevada Mountains, the west by the Coast Ranges, the south by the San Emigdio and Tehachapi Mountains, and the north by the Sacramento-San Joaquin Delta and the Sacramento Valley. The immediate Site vicinity is situated on Quaternary age sediments consisting of recent alluvium that includes fan and basin deposits (CDMG, 1958).

The Site, as is most of California, is located in a seismically active area. The nearest active fault is the Nunez Fault, located approximately 23 miles south of the Site. The Nunez Fault is part of an Alquist-Priolo Special Studies Zone (CDMG, 2000). The Site is not located within an Alquist-Priolo Special Studies Zone.

The Site is located within the Westland Subbasin (5-22.09) of the San Joaquin Valley Groundwater Basin (CDWR, 2013). The Westland Subbasin comprises approximately 1,000 square miles underlying portions of Fresno and Kings Counties. Based on the Phase I ESA, depth to groundwater ranges from 170 to 370 feet below the ground surface.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Background Information
July 23, 2014

2.0 Background Information

Historical research indicates that the Tranquillity Site appears to have been used for agricultural purposes since sometime prior to 1955 through the mid-2000s. Due to the prolonged agricultural use on the Site, Stantec concluded in the Phase I ESA that there is a potential that residual organochlorine pesticides and the metals that typically accompany herbicide application may exist on the Site. Stantec concluded that the potential presence of pesticides was a recognized environmental condition (REC) to the Site; therefore, Stantec recommended performing a Phase II subsurface investigation for pesticides and heavy metals.

The Draft EIR for the Site documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site.

Accordingly, Stantec performed a Phase II subsurface investigation to sample and analyze the soil for the presence of pesticides and metals (i.e., arsenic and lead) that typically accompany herbicide application and also for selenium. The scope of work for the Phase II ESA subsurface investigation is set forth below.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Field Investigation Program
July 23, 2014

3.0 Field Investigation Program

3.1 SCOPE OF WORK

Based on the findings of the Phase I ESA, soil samples were collected and analyzed. This work included the following tasks:

- Collection of 38 shallow soil samples at the locations using a hand auger (Figure 2). Each sample was collected between 6 to 12 inches below ground surface (bgs).
- Submission of 38 soil samples to a state certified laboratory. Analyze the 38 shallow soil samples for organochlorine pesticides by EPA Method 8081B, and arsenic, lead, and selenium by EPA Method 6010B.
- Development of a report describing the methodology, findings, results of the investigation, as well as conclusions and recommendations derived from the investigation findings.

3.2 SOIL SAMPLING PROCEDURES

A hand-auger was advanced to the desired sampling depth. The sample was discharged directly from the hand-auger bailer into a glass jar.

The sample was then labeled, and placed in an ice-filled cooler pending delivery under Chain-of-Custody (COC) to a laboratory for chemical analysis. Copies of the COC forms are included in Appendix A.

3.2.1 Decontamination Procedures

Prior to sampling at each sample interval, sample equipment was decontaminated in non-phosphate detergent solution and double rinsed with distilled water.

3.2.2 Boring Abandonment Procedures

Excess soil cuttings were replaced in the borehole to an elevation matching the surrounding surface conditions.



**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Laboratory Testing Program
July 23, 2014

4.0 Laboratory Testing Program

All soil samples collected for laboratory analysis were delivered under COC (Appendix A) to Advanced Technology Laboratories (ATL) located in Signal Hill, California. ATL is a California state-certified laboratory accredited by the Environmental Laboratory Accreditation Program (ELAP) of the Department of Toxic Substances Control.

Analytical laboratory test results are attached as Appendix A and summarized in Tables 1 and 2.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Investigation Results
July 23, 2014

5.0 Investigation Results

5.1 FIELD OBSERVATIONS

Stantec personnel collected 38 shallow soil samples from the Tranquillity Westlands Water District-Owned Parcels on June 30 and July 1, 2014 as part of this Phase II ESA to evaluate if residual pesticides, arsenic, lead, and selenium exist at levels of concern for construction workers and Site development.

Subsurface soils encountered during sampling activities consisted generally of dry, medium- to coarse-grained sands with silts. Groundwater was not encountered to the maximum explored depth of 12 inches bgs. No odors or staining was noted in the soils encountered.

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below and summarized in Tables 1 and 2. The complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

Chemical analysis of the shallow soil samples for organochlorine pesticides was performed using EPA Method 8081B. ATL reported concentrations of 4,4'-dichlorodiphenyl dichloroethane (DDD), 4,4'-dichlorodiphenyl dichloroethylene (DDE), 4,4'-dichlorodiphenyl trichloroethane (DDT), dieldrin, and toxaphene.

- DDD was only reported in the soil sample S-5 and had concentration of 0.0021 milligrams per kilogram (mg/kg). The remainder of the analytical results were reported as not detectable above the Practical Quantitation Limit (PQL).
- DDE was reported in all of the 38 shallow soil samples analyzed and had concentrations ranging from 0.0026 to 0.200 mg/kg.
- DDT was reported in 34 of the 38 shallow soil samples analyzed and had concentrations ranging from 0.0027 to 0.072 mg/kg.
- Dieldrin was reported in 16 of the 38 shallow soil samples analyzed and had concentrations ranging from 0.0023 to 0.011 mg/kg.
- Toxaphene was reported in 37 of the 38 shallow soil samples analyzed and had concentrations ranging from 0.058 to 0.860 mg/kg.
- No other organochlorine pesticides were reported above their PQLs.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Investigation Results
July 23, 2014

DDD and DDE are breakdown products of DDT, which was used in the past as an insecticide. The US Environmental Protection Agency Regional Screening Levels (EPA RSLs) for outdoor workers for DDD, DDE, and DDT for an outdoor worker are 10.7; 7.55; and 9.5 mg/kg, respectively.

The California Department of Toxic Substances Control (DTSC) published the California Human Health Risk Screening Levels (CHHSLs) for DDD, DDE, and DDT for commercial/industrial land uses and has published a risk level of 9.0, 6.3, and 6.3 mg/kg, respectively. Therefore, the reported concentrations at the Site are well below the EPA RSLs and CHHSLs for DDD, DDE, and DDT.

EPA RSLs for outdoor workers for dieldrin and toxaphene are 0.16 and 2.33 mg/kg, respectively. The CHHSLs for dieldrin and toxaphene are 0.13 and 1.8 mg/kg, respectively.

Based on the low concentrations of DDD, DDE, DDT, dieldrin, and toxaphene detected in the shallow soil samples analysis, deeper soil samples were not warranted.

The soil samples were also analyzed for arsenic, lead, and selenium by EPA Method 6010B. The laboratory results reported concentrations of arsenic in all of the 38 samples ranging from 5.5 mg/kg (S-23) to 8.3 mg/kg (S-2). The detected arsenic concentrations are above the EPA RSL for an outdoor worker of 3.34 mg/kg and the CHHSL for commercial/industrial land use of 0.24 mg/kg – but consistent with naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California). Most naturally-occurring arsenic concentrations in the soil in California exceed the EPA RSL and CHHSL for arsenic.

All samples reported iron detections ranged from 5.0 mg/kg (S-4 and S-17) to 9.4 mg/kg (S-27). All concentrations of lead are below the EPA outdoor worker RSL of 800 mg/kg and the commercial/industrial CHHSL of 320 mg/kg.

Selenium was detected in 21 of the 38 soil samples ranging from 1.0 mg/kg (S-3 and S-22) to 1.6 mg/kg (S-13). All concentrations of selenium are below the EPA outdoor worker RSL of 6,490 mg/kg and the commercial/industrial CHHSL of 4,800 mg/kg.



**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Conclusions and Recommendations
July 23, 2014

6.0 Conclusions and Recommendations

The Phase II ESA was conducted based on the results of Stantec's Phase I ESA dated September 27, 2013 and the Draft EIR. Stantec recommended performing a Phase II ESA investigation on the historic agricultural parcels identified as the Westlands Water District-Owned Parcels within the Tranquillity site. The scope of work included the sampling and analyzing the soil to determine whether pesticides or the metals that typically accompany herbicide application (i.e., arsenic and lead) are present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

A Draft EIR was prepared for the Site that documented the potential for selenium contaminated soil due to historic irrigation practices and inadequate drainage on the Site. Therefore the Phase II ESA also focused on selenium as a contaminant of concern and the soil samples were analyzed for selenium to determine if selenium is present at concentrations exceeding regulatory thresholds, human health risk criteria or hazardous waste levels.

The scope of the Phase II ESA included the collection of 38 shallow soil samples across the Site on June 30 and July 1, 2014. The soil samples were collected to evaluate if residual organochlorine pesticides, arsenic, lead, and/or selenium exist at levels of concern for construction workers and Site development.

Chemical analysis of the shallow soil samples reported concentrations of DDD, DDE, DDT, dieldrin, and toxaphene above their PQLs. No other organochlorine pesticides were reported above their PQLs. DDD and DDE are breakdown products of DDT, which was used in the past as an insecticide. No reported concentrations however, exceeded the EPA outdoor worker RSLs or the commercial/industrial CHHSLs for these pesticides. Accordingly, Stantec concludes that pesticides do not represent a REC to the Site. Stantec concludes that the scope of this investigation is sufficient for purposes of evaluating the historical agricultural use of the Site.

Laboratory results reported detections of arsenic in all of the 38 soil samples - with a maximum concentration of 8.3 mg/kg. Most naturally-occurring arsenic concentrations in soil in the State of California exceed the EPA RSLs and the CHHSLs. At the Site, the detected arsenic concentrations are above the EPA outdoor worker RSL of 3.34 mg/kg and CHHSL of 0.24 mg/kg - but well within naturally-occurring regional background levels (ranging from 0.6 to 11.8 mg/kg in California). Stantec concludes that arsenic does not pose an environmental condition for development of the Site or a human health risk to construction workers.

Additionally, lead was detected in all of the soil samples with a maximum concentration of 9.4 mg/kg. All concentrations of lead are below the EPA outdoor worker RSL of 800 mg/kg and the commercial/industrial CHHSL of 320 mg/kg.



Attorney / Client Privileged

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Conclusions and Recommendations
July 23, 2014

Selenium was detected in 21 of the 38 soil samples - with a maximum concentration of 1.6 mg/kg. All concentrations of selenium are below the EPA outdoor worker RSL of 6,490 mg/kg and the commercial/industrial CHHSL of 4,800 mg/kg.

Stantec concludes that arsenic, lead, and selenium do not represent a REC to the Site. As a result, the detected metals and pesticides present no issue to on-site construction workers or the intended use of the Site.

Stantec concludes that the assessment indicates that the historical agricultural use of the Site does not represent a recognized environmental condition. Accordingly, Stantec concludes that there are no recognized environmental conditions associated with the historic agricultural usage of the Site and recommends no further investigation regarding the historic agricultural usage.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Closure
July 23, 2014

7.0 Closure

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement between Recurrent Energy Development Holdings, LLC and Stantec Consulting Services Inc., the consulting services agreement shall control.



**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

References
July 23, 2014

8.0 References

California Division of Mines and Geology (CDMG), 2000, Digital Images of Alquist-Priolo Earthquake Fault Zones of California, Central Coast Region, CD 2000-004.

_____, 1994, Fault Activity Map of California and Adjacent Areas with Locations and Ages of Volcanic Eruptions, scale 1:750,000

_____, 1958, Geologic Map of California, Santa Cruz Sheet, scale 1:250,000

California Department of Water Resources (CDWR), Integrated Water Resources Information Services Viewer, 2013, <http://www.water.ca.gov/iwris>.

Environmental Data Resources, Inc. (EDR), EDR Radius Map with Geocheck, Inquiry Number 3725142.2s, dated September 12, 2013.

Environmental Data Resources, Inc. (EDR), USGS Aerial Photography, Inquiry Number 3725142.5, dated September 12, 2013.

Stantec Consulting Services Inc., 2013, Phase I Environmental Site Assessment, RE tranquility, LLC, Highway 33 and South of Manning Ave., Fresno County, California, dated September 27, 2013.

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Tables
July 23, 2014

Tables



Attorney / Client Privileged

Table 1
Summary of Soil Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - RE Tranquillity Westlands Water District-Owned Parcels
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	DDD (mg/kg)	DDE (mg/kg)	DDT (mg/kg)	Dieldrin (mg/kg)	Toxaphene (mg/kg)
EPA RSLs			10.7	7.55	9.5	0.16	2.33
CHHSLs			9.0	6.3	6.3	0.13	1.8
S-1	6 to 12	6/30/2014	<0.0020	0.066	0.019	<0.0020	0.280
S-2	6 to 12	6/30/2014	<0.0020	0.130	0.050	0.0045	0.860
S-3	6 to 12	6/30/2014	<0.0020	0.075	0.020	<0.0020	0.180
S-4	6 to 12	6/30/2014	<0.0020	0.017	0.0052	<0.0020	0.067
S-5	6 to 12	6/30/2014	0.0021	0.083	0.025	0.0030	0.230
S-6	6 to 12	6/30/2014	<0.0020	0.085	0.034	<0.0020	0.310
S-7	6 to 12	6/30/2014	<0.0020	0.150	0.060	0.011	0.470
S-8	6 to 12	6/30/2014	<0.0020	0.097	0.033	0.0050	0.270
S-9	6 to 12	6/30/2014	<0.0020	0.096	0.025	0.0034	0.310
S-10	6 to 12	6/30/2014	<0.0020	0.032	0.016	<0.0020	0.130
S-11	6 to 12	6/30/2014	<0.0020	0.011	0.0030	<0.0020	0.062
S-12	6 to 12	6/30/2014	<0.0020	0.036	0.013	<0.0020	0.270
S-13	6 to 12	6/30/2014	<0.0020	0.045	0.016	<0.0020	0.410
S-14	6 to 12	7/1/2014	<0.0020	0.023	0.012	0.0023	0.170
S-15	6 to 12	6/30/2014	<0.0020	0.050	0.012	<0.0020	0.170
S-16	6 to 12	6/30/2014	<0.0020	0.039	0.013	<0.0020	0.170
S-17	6 to 12	7/1/2014	<0.0020	0.048	0.014	<0.0020	0.170
S-18	6 to 12	6/30/2014	<0.0020	0.041	0.0086	<0.0020	0.170
S-19	6 to 12	6/30/2014	<0.0020	0.099	0.034	0.0027	0.330
S-20	6 to 12	6/30/2014	<0.0020	0.054	0.024	0.0027	0.300
S-21	6 to 12	6/30/2014	<0.0020	0.058	0.022	0.0029	0.310
S-22	6 to 12	6/30/2014	<0.0020	0.044	0.022	<0.0020	0.280
S-23	6 to 12	6/30/2014	<0.0020	0.038	0.017	0.0024	0.300
S-24	6 to 12	7/1/2014	<0.0020	0.0065	<0.0020	<0.0020	0.095
S-25	6 to 12	7/1/2014	<0.0020	0.0026	<0.0020	<0.0020	0.058
S-26	6 to 12	7/1/2014	<0.0020	0.0049	<0.0020	<0.0020	<0.050
S-27	6 to 12	7/1/2014	<0.0020	0.037	0.022	0.0040	0.280
S-28	6 to 12	6/30/2014	<0.0020	0.065	0.030	0.0030	0.380

Table 1
Summary of Soil Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - RE Tranquillity Westlands Water District-Owned Parcels
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	DDD (mg/kg)	DDE (mg/kg)	DDT (mg/kg)	Dieldrin (mg/kg)	Toxaphene (mg/kg)
EPA RSLs			10.7	7.55	9.5	0.16	2.33
CHHSLs			9.0	6.3	6.3	0.13	1.8
S-29	6 to 12	6/30/2014	<0.0020	0.0094	0.0027	<0.0020	0.093
S-30	6 to 12	6/30/2014	<0.0020	0.150	0.072	0.0058	0.840
S-31	6 to 12	6/30/2014	<0.0020	0.045	0.029	0.0032	0.290
S-32	6 to 12	6/30/2014	<0.0020	0.013	0.0040	<0.0020	0.110
S-33	6 to 12	6/30/2014	<0.0020	0.200	0.055	0.0048	0.650
S-34	6 to 12	6/30/2014	<0.0020	0.150	0.043	0.0030	0.440
S-35	6 to 12	7/1/2014	<0.0020	0.0070	0.0038	<0.0020	0.087
S-36	6 to 12	6/30/2014	<0.0020	0.0035	<0.0020	<0.0020	0.091
S-37	6 to 12	6/30/2014	<0.0020	0.019	0.0057	<0.0020	0.130
S-38	6 to 12	6/30/2014	<0.0020	0.031	0.0098	<0.0020	0.180

Notes:

EPA RSLs = Environmental Protection Agency Regional Screening Levels in mg/kg (outdoor worker)

CHHSLs = California Human Health Screening Levels for Commercial/Industrial Land Use Only in mg/kg

mg/kg = milligrams per kilogram

DDD = 4,4-dichlorodiphenyldichloroethane

DDE = 4,4-dichlorodiphenyldichloroethene

DDT = 4,4-dichlorodiphenyltrichloroethane

Bold = Detectable Concentration

Table 2
Summary of Soil Analytical Results - Arsenic, Lead and Selenium
Phase II Environmental Site Assessment - RE Tranquillity Westlands Water District-Owned Parcels
Fresno County, California

Sample Identification	Depth (inches)	Sample Date	Arsenic (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)
EPA RSLs			3.34	800	6,490
CHHSLs			0.24	320	4,800
S-1	6 to 12	6/30/2014	7.0	7.1	1.2
S-2	6 to 12	6/30/2014	8.3	8.2	1.4
S-3	6 to 12	6/30/2014	6.9	6.6	1.0
S-4	6 to 12	6/30/2014	6.1	5.0	1.2
S-5	6 to 12	6/30/2014	5.9	5.1	1.3
S-6	6 to 12	6/30/2014	6.0	5.2	<1.0
S-7	6 to 12	6/30/2014	6.8	6.1	1.1
S-8	6 to 12	6/30/2014	6.2	5.9	1.1
S-9	6 to 12	6/30/2014	5.7	5.4	<1.0
S-10	6 to 12	6/30/2014	6.2	5.1	<1.0
S-11	6 to 12	6/30/2014	6.5	5.8	<1.0
S-12	6 to 12	6/30/2014	7.4	7.4	1.3
S-13	6 to 12	6/30/2014	6.9	7.2	1.6
S-14	6 to 12	7/1/2014	6.9	7.1	1.2
S-15	6 to 12	6/30/2014	5.9	5.6	<1.0
S-16	6 to 12	6/30/2014	6.9	6.8	1.2
S-17	6 to 12	7/1/2014	5.8	5.0	<1.0
S-18	6 to 12	6/30/2014	6.0	6.1	<1.0
S-19	6 to 12	6/30/2014	6.1	5.7	1.1
S-20	6 to 12	6/30/2014	6.6	5.7	<1.0
S-21	6 to 12	6/30/2014	6.2	5.1	<1.0
S-22	6 to 12	6/30/2014	6.2	5.9	1.0
S-23	6 to 12	6/30/2014	5.5	5.7	<1.0
S-24	6 to 12	7/1/2014	6.5	6.6	<1.0
S-25	6 to 12	7/1/2014	6.6	6.4	<1.0
S-26	6 to 12	7/1/2014	6.7	7.1	1.1
S-27	6 to 12	7/1/2014	6.2	9.4	1.5
S-28	6 to 12	6/30/2014	7.3	6.0	1.1
S-29	6 to 12	6/30/2014	6.4	6.5	1.3
S-30	6 to 12	6/30/2014	7.2	6.6	1.4
S-31	6 to 12	6/30/2014	7.0	7.2	<1.0
S-32	6 to 12	6/30/2014	6.2	6.2	<1.0
S-33	6 to 12	6/30/2014	5.8	5.5	<1.0
S-34	6 to 12	6/30/2014	6.2	5.9	<1.0
S-35	6 to 12	7/1/2014	6.9	7.4	1.3
S-36	6 to 12	6/30/2014	6.7	6.8	1.3
S-37	6 to 12	6/30/2014	6.0	5.8	1.1
S-38	6 to 12	6/30/2014	6.1	6.4	<1.0

Notes:

Bold = Detectable Concentration

EPA RSLs = Environmental Protection Agency Regional Screening Levels in mg/kg (outdoor worker)

CHHSLs = California Human Health Screening Levels for Commercial/Industrial Land Use Only in mg/kg

mg/kg = milligrams per kilogram

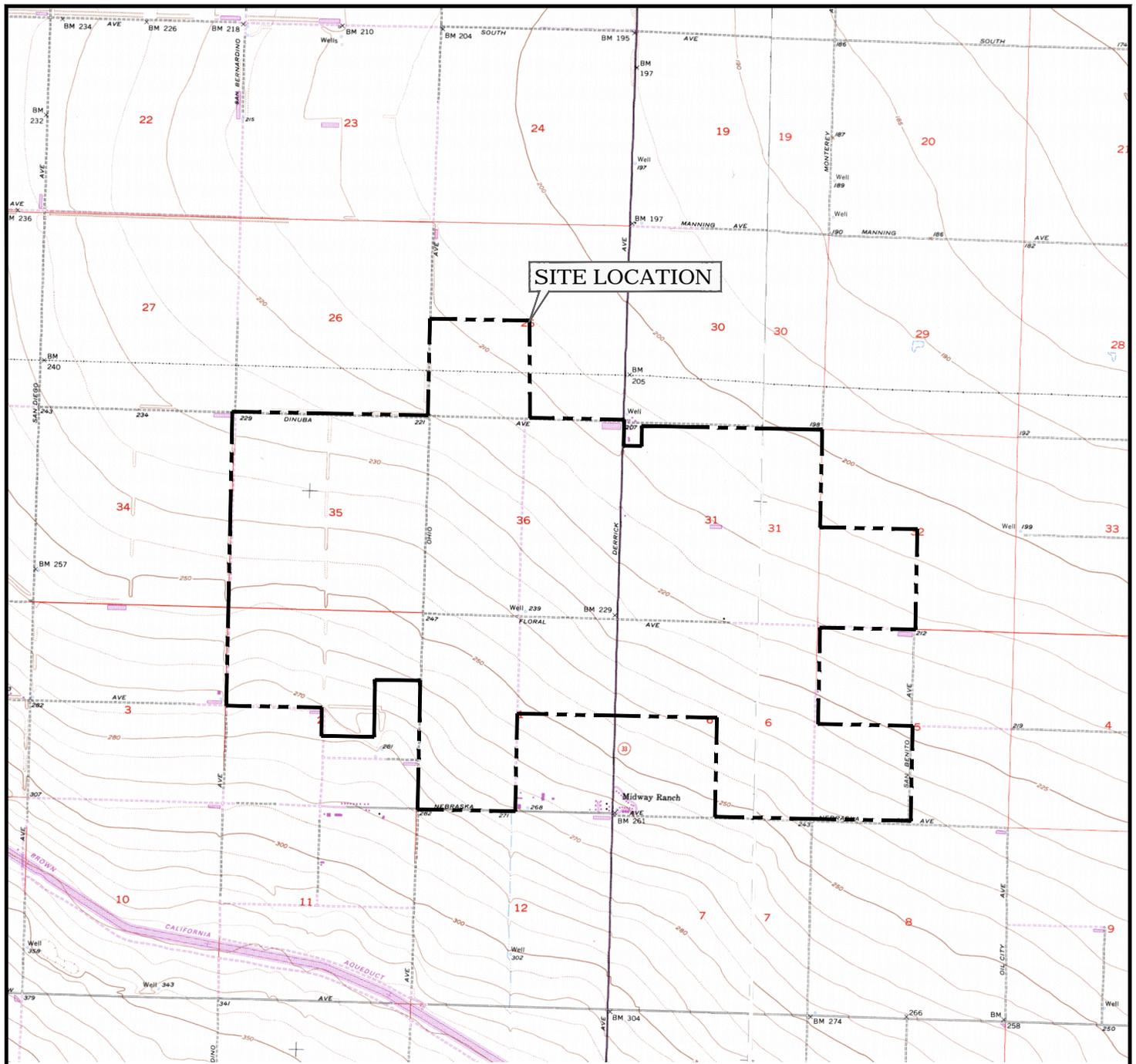
**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Figures
July 23, 2014

Figures



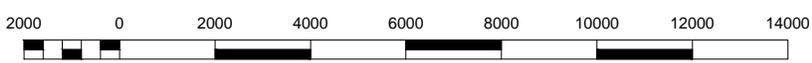
Attorney / Client Privileged



CALIFORNIA



SCALE IN MILE

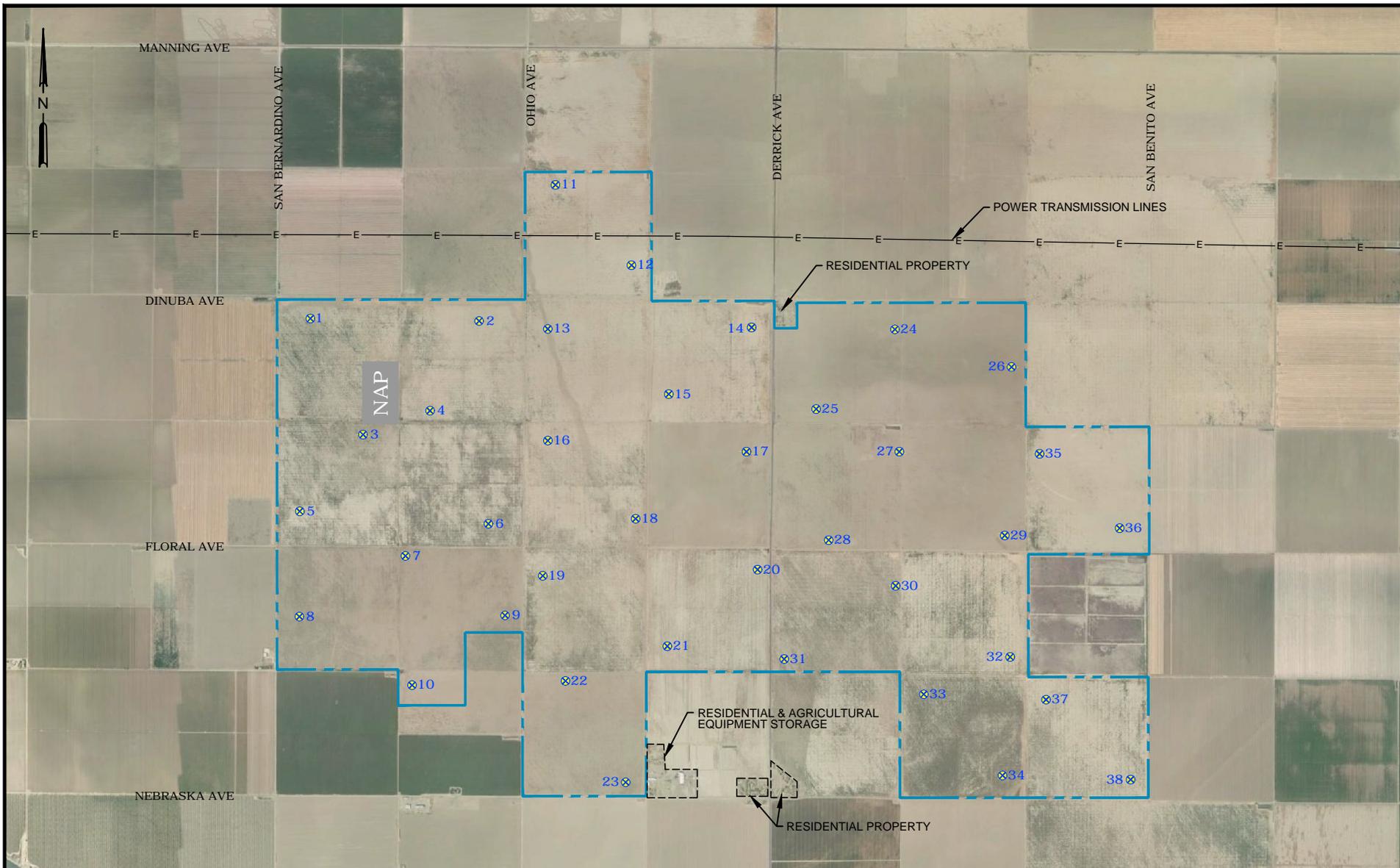


SCALE IN FEET

REFERENCE: CA Digital Raster Graphics (<http://gis.ca.gov/casil/usgs.gov/>)
 7.5 Minute Series, Albers NAD83, Trimmed
 Block o33117e8 & o33117g8, Downloaded 5/14/10

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE: (909) 335-6116 FAX: (909) 556-6516	FOR: RE Tranquillity, LLC Highway 33 & South of Manning Ave Tranquillity, California		SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 185803073	DRAWN BY: J. RESENDIZ	CHECKED BY: D. MONGE	APPROVED BY:	DATE: SEP. 2013

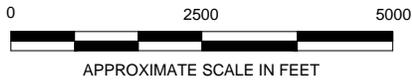


LEGEND:

APPROXIMATE SITE BOUNDARY

1 SOIL SAMPLE LOCATION (APPROXIMATE)

NAP NOT A PART



No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and or information.

<p>25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PHONE: (909) 335-6116 FAX: (909) 556-6516</p>	FOR: RE Tranquillity, LLC Highway 33 & South of Manning Ave Tranquillity, California		SOIL SAMPLE LOCATION MAP WESTLANDS WATER DISTRICT- OWNED PARCELS		FIGURE: 2
	JOB NUMBER: 185803073	DRAWN BY: J. LIEBERMAN	CHECKED BY: R. CARSON	APPROVED BY: R. CARSON	DATE: JULY 2014

**PHASE II ENVIRONMENTAL SITE ASSESSMENT,
RE TRANQUILLITY LLC,
WESTLANDS WATER DISTRICT-OWNED PARCELS,
FRESNO COUNTY, CALIFORNIA**

Appendix A
July 23, 2014

Appendix A Laboratory Data Sheets and QA/QC Results



Attorney / Client Privileged

July 15, 2014

Ralph Carson
Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno, CA 93711
Tel: (559) 271-2650
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1401955
Client Reference : RE Tranquility, 185803073

Enclosed are the results for sample(s) received on July 02, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-11	1401955-01	Soil	6/30/14 10:14	7/02/14 8:30
S-12	1401955-02	Soil	6/30/14 10:20	7/02/14 8:30
S-13	1401955-03	Soil	6/30/14 10:29	7/02/14 8:30
S-2	1401955-04	Soil	6/30/14 10:32	7/02/14 8:30
S-1	1401955-05	Soil	6/30/14 10:38	7/02/14 8:30
S-5	1401955-06	Soil	6/30/14 10:52	7/02/14 8:30
S-8	1401955-07	Soil	6/30/14 10:56	7/02/14 8:30
S-10	1401955-08	Soil	6/30/14 11:03	7/02/14 8:30
S-22	1401955-09	Soil	6/30/14 11:12	7/02/14 8:30
S-9	1401955-10	Soil	6/30/14 11:20	7/02/14 8:30
S-19	1401955-11	Soil	6/30/14 11:30	7/02/14 8:30
S-7	1401955-12	Soil	6/30/14 11:36	7/02/14 8:30
S-6	1401955-13	Soil	6/30/14 11:38	7/02/14 8:30
S-3	1401955-14	Soil	6/30/14 11:47	7/02/14 8:30
S-4	1401955-15	Soil	6/30/14 11:52	7/02/14 8:30
S-16	1401955-16	Soil	6/30/14 12:02	7/02/14 8:30
S-15	1401955-17	Soil	6/30/14 12:18	7/02/14 8:30
S-18	1401955-18	Soil	6/30/14 12:25	7/02/14 8:30
S-21	1401955-19	Soil	6/30/14 12:34	7/02/14 8:30
S-23	1401955-20	Soil	6/30/14 12:48	7/02/14 8:30
S-34	1401955-21	Soil	6/30/14 12:55	7/02/14 8:30
S-38	1401955-22	Soil	6/30/14 13:03	7/02/14 8:30
S-36	1401955-23	Soil	6/30/14 13:15	7/02/14 8:30
S-29	1401955-24	Soil	6/30/14 13:25	7/02/14 8:30
S-32	1401955-25	Soil	6/30/14 13:30	7/02/14 8:30
S-37	1401955-26	Soil	6/30/14 13:38	7/02/14 8:30
S-33	1401955-27	Soil	6/30/14 13:47	7/02/14 8:30
S-30	1401955-28	Soil	6/30/14 13:55	7/02/14 8:30
S-28	1401955-29	Soil	6/30/14 14:00	7/02/14 8:30
S-20	1401955-30	Soil	6/30/14 14:10	7/02/14 8:30
S-31	1401955-31	Soil	6/30/14 14:20	7/02/14 8:30
S-14	1401955-32	Soil	7/01/14 8:20	7/02/14 8:30
S-17	1401955-33	Soil	7/01/14 8:30	7/02/14 8:30
S-25	1401955-34	Soil	7/01/14 8:45	7/02/14 8:30
S-27	1401955-35	Soil	7/01/14 9:00	7/02/14 8:30
S-35	1401955-36	Soil	7/01/14 9:15	7/02/14 8:30
S-26	1401955-37	Soil	7/01/14 9:25	7/02/14 8:30



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

S-24

1401955-38

Soil

7/01/14 9:40

7/02/14 8:30



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-11

Lab ID: 1401955-01

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.5	1.0	1	B4G0082	07/07/2014	07/08/14 13:21	
Lead	5.8	1.0	1	B4G0082	07/07/2014	07/08/14 13:21	
Selenium	ND	1.0	1	B4G0082	07/07/2014	07/08/14 13:21	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
4,4'-DDE [2C]	11	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
4,4'-DDT [2C]	3.0	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 12:44	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:44	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 12:44	
Toxaphene	62	50	1	B4G0066	07/04/2014	07/07/14 12:44	
<i>Surrogate: Decachlorobiphenyl</i>	51.1 %	29 - 143		B4G0066	07/04/2014	07/07/14 12:44	
<i>Surrogate: Tetrachloro-m-xylene</i>	39.9 %	52 - 114		B4G0066	07/04/2014	07/07/14 12:44	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-12

Lab ID: 1401955-02

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.4	1.0	1	B4G0082	07/07/2014	07/08/14 13:23	
Lead	7.4	1.0	1	B4G0082	07/07/2014	07/08/14 13:23	
Selenium	1.3	1.0	1	B4G0082	07/07/2014	07/08/14 13:23	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
4,4'-DDE	36	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
4,4'-DDT [2C]	13	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 12:55	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Dieldrin [2C]	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 12:55	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 12:55	
Toxaphene [2C]	270	50	1	B4G0066	07/04/2014	07/07/14 12:55	
Surrogate: Decachlorobiphenyl	52.9 %	29 - 143		B4G0066	07/04/2014	07/07/14 12:55	
Surrogate: Tetrachloro-m-xylene	38.9 %	52 - 114		B4G0066	07/04/2014	07/07/14 12:55	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-13

Lab ID: 1401955-03

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B4G0083	07/07/2014	07/08/14 13:28	
Lead	7.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:28	
Selenium	1.6	1.0	1	B4G0083	07/07/2014	07/08/14 13:28	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
4,4'-DDE	45	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
4,4'-DDT [2C]	16	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 13:14	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:14	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 13:14	
Toxaphene [2C]	410	50	1	B4G0066	07/04/2014	07/07/14 13:14	
<i>Surrogate: Decachlorobiphenyl</i>	<i>60.6 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	07/07/14 13:14	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>42.7 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	07/07/14 13:14	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID S-2

Lab ID: 1401955-04

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	8.3	1.0	1	B4G0083	07/07/2014	07/08/14 13:35	
Lead	8.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:35	
Selenium	1.4	1.0	1	B4G0083	07/07/2014	07/08/14 13:35	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
4,4'-DDE	130	10	5	B4G0066	07/04/2014	07/09/14 03:58	
4,4'-DDT [2C]	50	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 13:25	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Dieldrin [2C]	4.5	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:25	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 13:25	
Toxaphene [2C]	860	250	5	B4G0066	07/04/2014	07/09/14 03:58	
<i>Surrogate: Decachlorobiphenyl</i>	<i>79.3 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	<i>07/09/14 03:58</i>	
<i>Surrogate: Decachlorobiphenyl</i>	<i>62.0 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	<i>07/07/14 13:25</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>54.9 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	<i>07/09/14 03:58</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>45.5 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	<i>07/07/14 13:25</i>	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-1
Lab ID: 1401955-05

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B4G0083	07/07/2014	07/08/14 13:37	
Lead	7.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:37	
Selenium	1.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:37	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
4,4'-DDE [2C]	66	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
4,4'-DDT [2C]	19	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 13:35	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Dieldrin [2C]	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:35	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 13:35	
Toxaphene [2C]	280	50	1	B4G0066	07/04/2014	07/07/14 13:35	
<i>Surrogate: Decachlorobiphenyl</i>	<i>65.1 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	07/07/14 13:35	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>47.7 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	07/07/14 13:35	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-5
Lab ID: 1401955-06

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.9	1.0	1	B4G0083	07/07/2014	07/08/14 13:39	
Lead	5.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:39	
Selenium	1.3	1.0	1	B4G0083	07/07/2014	07/08/14 13:39	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD [2C]	2.1	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
4,4'-DDE [2C]	83	10	5	B4G0066	07/04/2014	07/09/14 04:19	
4,4'-DDT [2C]	25	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 13:46	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Dieldrin [2C]	3.0	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:46	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 13:46	
Toxaphene	230	50	1	B4G0066	07/04/2014	07/07/14 13:46	
Surrogate: Decachlorobiphenyl	67.7 %	29 - 143		B4G0066	07/04/2014	07/09/14 04:19	
Surrogate: Decachlorobiphenyl	57.3 %	29 - 143		B4G0066	07/04/2014	07/07/14 13:46	
Surrogate: Tetrachloro-m-xylene	47.0 %	52 - 114		B4G0066	07/04/2014	07/09/14 04:19	S10
Surrogate: Tetrachloro-m-xylene	39.8 %	52 - 114		B4G0066	07/04/2014	07/07/14 13:46	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-8
Lab ID: 1401955-07

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:40	
Lead	5.9	1.0	1	B4G0083	07/07/2014	07/08/14 13:40	
Selenium	1.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:40	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
4,4'-DDE	97	10	5	B4G0066	07/04/2014	07/09/14 04:30	
4,4'-DDT [2C]	33	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 13:56	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Dieldrin [2C]	5.0	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 13:56	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 13:56	
Toxaphene	270	50	1	B4G0066	07/04/2014	07/07/14 13:56	
<i>Surrogate: Decachlorobiphenyl</i>	68.1 %	29 - 143		B4G0066	07/04/2014	07/09/14 04:30	
<i>Surrogate: Decachlorobiphenyl</i>	56.2 %	29 - 143		B4G0066	07/04/2014	07/07/14 13:56	
<i>Surrogate: Tetrachloro-m-xylene</i>	46.2 %	52 - 114		B4G0066	07/04/2014	07/09/14 04:30	S10
<i>Surrogate: Tetrachloro-m-xylene</i>	39.7 %	52 - 114		B4G0066	07/04/2014	07/07/14 13:56	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID S-10

Lab ID: 1401955-08

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:42	
Lead	5.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:42	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 13:42	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
4,4'-DDE	32	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
4,4'-DDT [2C]	16	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 14:07	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:07	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 14:07	
Toxaphene	130	50	1	B4G0066	07/04/2014	07/07/14 14:07	
Surrogate: Decachlorobiphenyl	49.6 %	29 - 143		B4G0066	07/04/2014	07/07/14 14:07	
Surrogate: Tetrachloro-m-xylene	37.8 %	52 - 114		B4G0066	07/04/2014	07/07/14 14:07	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-22

Lab ID: 1401955-09

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:43	
Lead	5.9	1.0	1	B4G0083	07/07/2014	07/08/14 13:43	
Selenium	1.0	1.0	1	B4G0083	07/07/2014	07/08/14 13:43	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
4,4'-DDE [2C]	44	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
4,4'-DDT [2C]	22	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 14:17	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:17	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 14:17	
Toxaphene	280	50	1	B4G0066	07/04/2014	07/07/14 14:17	
<i>Surrogate: Decachlorobiphenyl</i>	81.2 %	29 - 143		B4G0066	07/04/2014	07/07/14 14:17	
<i>Surrogate: Tetrachloro-m-xylene</i>	48.6 %	52 - 114		B4G0066	07/04/2014	07/07/14 14:17	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-9
Lab ID: 1401955-10

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.7	1.0	1	B4G0083	07/07/2014	07/08/14 13:45	
Lead	5.4	1.0	1	B4G0083	07/07/2014	07/08/14 13:45	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 13:45	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
4,4'-DDE [2C]	96	10	5	B4G0066	07/04/2014	07/09/14 05:01	
4,4'-DDT [2C]	25	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 14:28	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Dieldrin [2C]	3.4	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:28	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 14:28	
Toxaphene [2C]	310	50	1	B4G0066	07/04/2014	07/07/14 14:28	
<i>Surrogate: Decachlorobiphenyl</i>	75.2 %	29 - 143		B4G0066	07/04/2014	07/09/14 05:01	
<i>Surrogate: Decachlorobiphenyl</i>	61.9 %	29 - 143		B4G0066	07/04/2014	07/07/14 14:28	
<i>Surrogate: Tetrachloro-m-xylene</i>	54.5 %	52 - 114		B4G0066	07/04/2014	07/09/14 05:01	
<i>Surrogate: Tetrachloro-m-xylene</i>	42.1 %	52 - 114		B4G0066	07/04/2014	07/07/14 14:28	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID S-19

Lab ID: 1401955-11

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:47	
Lead	5.7	1.0	1	B4G0083	07/07/2014	07/08/14 13:47	
Selenium	1.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:47	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
4,4'-DDE [2C]	99	10	5	B4G0066	07/04/2014	07/09/14 10:21	
4,4'-DDT [2C]	34	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 14:38	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Dieldrin [2C]	2.7	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:38	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 14:38	
Toxaphene [2C]	330	50	1	B4G0066	07/04/2014	07/07/14 14:38	
Surrogate: Decachlorobiphenyl	80.8 %	29 - 143		B4G0066	07/04/2014	07/09/14 10:21	
Surrogate: Decachlorobiphenyl	60.6 %	29 - 143		B4G0066	07/04/2014	07/07/14 14:38	
Surrogate: Tetrachloro-m-xylene	56.6 %	52 - 114		B4G0066	07/04/2014	07/09/14 10:21	
Surrogate: Tetrachloro-m-xylene	45.1 %	52 - 114		B4G0066	07/04/2014	07/07/14 14:38	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-7
Lab ID: 1401955-12

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.8	1.0	1	B4G0083	07/07/2014	07/08/14 13:48	
Lead	6.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:48	
Selenium	1.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:48	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
4,4'-DDE [2C]	150	10	5	B4G0066	07/04/2014	07/09/14 10:32	
4,4'-DDT [2C]	60	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 14:49	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Dieldrin [2C]	11	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:49	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 14:49	
Toxaphene	470	50	1	B4G0066	07/04/2014	07/07/14 14:49	
<i>Surrogate: Decachlorobiphenyl</i>	58.5 %	29 - 143		B4G0066	07/04/2014	07/07/14 14:49	
<i>Surrogate: Decachlorobiphenyl</i>	78.8 %	29 - 143		B4G0066	07/04/2014	07/09/14 10:32	
<i>Surrogate: Tetrachloro-m-xylene</i>	55.9 %	52 - 114		B4G0066	07/04/2014	07/09/14 10:32	
<i>Surrogate: Tetrachloro-m-xylene</i>	45.2 %	52 - 114		B4G0066	07/04/2014	07/07/14 14:49	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-6
Lab ID: 1401955-13

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B4G0083	07/07/2014	07/08/14 13:50	
Lead	5.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:50	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 13:50	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
4,4'-DDE	85	10	5	B4G0066	07/04/2014	07/09/14 10:42	
4,4'-DDT [2C]	34	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 14:59	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 14:59	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 14:59	
Toxaphene	310	50	1	B4G0066	07/04/2014	07/07/14 14:59	
Surrogate: Decachlorobiphenyl	83.2 %	29 - 143		B4G0066	07/04/2014	07/09/14 10:42	
Surrogate: Decachlorobiphenyl	73.4 %	29 - 143		B4G0066	07/04/2014	07/07/14 14:59	
Surrogate: Tetrachloro-m-xylene	52.6 %	52 - 114		B4G0066	07/04/2014	07/07/14 14:59	
Surrogate: Tetrachloro-m-xylene	59.4 %	52 - 114		B4G0066	07/04/2014	07/09/14 10:42	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID S-3

Lab ID: 1401955-14

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B4G0083	07/07/2014	07/08/14 13:55	
Lead	6.6	1.0	1	B4G0083	07/07/2014	07/08/14 13:55	
Selenium	1.0	1.0	1	B4G0083	07/07/2014	07/08/14 13:55	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
4,4'-DDE	75	10	5	B4G0066	07/04/2014	07/09/14 10:53	
4,4'-DDT [2C]	20	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 15:10	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:10	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 15:10	
Toxaphene	180	50	1	B4G0066	07/04/2014	07/07/14 15:10	
Surrogate: Decachlorobiphenyl	67.3 %	29 - 143		B4G0066	07/04/2014	07/07/14 15:10	
Surrogate: Decachlorobiphenyl	74.6 %	29 - 143		B4G0066	07/04/2014	07/09/14 10:53	
Surrogate: Tetrachloro-m-xylene	48.5 %	52 - 114		B4G0066	07/04/2014	07/07/14 15:10	S10
Surrogate: Tetrachloro-m-xylene	57.4 %	52 - 114		B4G0066	07/04/2014	07/09/14 10:53	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID S-4

Lab ID: 1401955-15

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.1	1.0	1	B4G0083	07/07/2014	07/08/14 13:57	
Lead	5.0	1.0	1	B4G0083	07/07/2014	07/08/14 13:57	
Selenium	1.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:57	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
4,4'-DDE	17	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
4,4'-DDT	5.2	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 15:20	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:20	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 15:20	
Toxaphene [2C]	67	50	1	B4G0066	07/04/2014	07/07/14 15:20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>61.4 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	07/07/14 15:20	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>46.1 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	07/07/14 15:20	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-16

Lab ID: 1401955-16

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B4G0083	07/07/2014	07/08/14 13:58	
Lead	6.8	1.0	1	B4G0083	07/07/2014	07/08/14 13:58	
Selenium	1.2	1.0	1	B4G0083	07/07/2014	07/08/14 13:58	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
4,4'-DDE	39	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
4,4'-DDT [2C]	13	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/07/14 15:30	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Dieldrin [2C]	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/07/14 15:30	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/07/14 15:30	
Toxaphene [2C]	170	50	1	B4G0066	07/04/2014	07/07/14 15:30	
<i>Surrogate: Decachlorobiphenyl</i>	<i>66.7 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	07/07/14 15:30	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>47.7 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	07/07/14 15:30	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-15

Lab ID: 1401955-17

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.9	1.0	1	B4G0083	07/07/2014	07/08/14 14:00	
Lead	5.6	1.0	1	B4G0083	07/07/2014	07/08/14 14:00	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 14:00	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
4,4'-DDE	50	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
4,4'-DDT [2C]	12	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/08/14 02:07	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Dieldrin	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:07	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/08/14 02:07	
Toxaphene	170	50	1	B4G0066	07/04/2014	07/08/14 02:07	
<i>Surrogate: Decachlorobiphenyl</i>	<i>53.3 %</i>	<i>29 - 143</i>		B4G0066	07/04/2014	07/08/14 02:07	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>43.2 %</i>	<i>52 - 114</i>		B4G0066	07/04/2014	07/08/14 02:07	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-18

Lab ID: 1401955-18

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B4G0083	07/07/2014	07/08/14 14:01	
Lead	6.1	1.0	1	B4G0083	07/07/2014	07/08/14 14:01	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 14:01	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
4,4'-DDE	41	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
4,4'-DDT [2C]	8.6	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/08/14 02:17	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Dieldrin [2C]	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:17	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/08/14 02:17	
Toxaphene [2C]	170	50	1	B4G0066	07/04/2014	07/08/14 02:17	
Surrogate: Decachlorobiphenyl	49.3 %	29 - 143		B4G0066	07/04/2014	07/08/14 02:17	
Surrogate: Tetrachloro-m-xylene	38.2 %	52 - 114		B4G0066	07/04/2014	07/08/14 02:17	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-21

Lab ID: 1401955-19

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0083	07/07/2014	07/08/14 14:03	
Lead	5.1	1.0	1	B4G0083	07/07/2014	07/08/14 14:03	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 14:03	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
4,4'-DDE	58	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
4,4'-DDT [2C]	22	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/08/14 02:28	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Dieldrin [2C]	2.9	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:28	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/08/14 02:28	
Toxaphene [2C]	310	50	1	B4G0066	07/04/2014	07/08/14 02:28	
Surrogate: Decachlorobiphenyl	51.1 %	29 - 143		B4G0066	07/04/2014	07/08/14 02:28	
Surrogate: Tetrachloro-m-xylene	42.3 %	52 - 114		B4G0066	07/04/2014	07/08/14 02:28	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-23

Lab ID: 1401955-20

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.5	1.0	1	B4G0083	07/07/2014	07/08/14 14:04	
Lead	5.7	1.0	1	B4G0083	07/07/2014	07/08/14 14:04	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 14:04	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
4,4'-DDE	38	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
4,4'-DDT [2C]	17	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Aldrin	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
alpha-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
alpha-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
beta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Chlordane	ND	8.5	1	B4G0066	07/04/2014	07/08/14 02:38	
delta-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Dieldrin [2C]	2.4	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Endosulfan I	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Endosulfan II	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Endosulfan sulfate	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Endrin	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Endrin aldehyde	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Endrin ketone	ND	2.0	1	B4G0066	07/04/2014	07/08/14 02:38	
gamma-BHC	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
gamma-Chlordane	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Heptachlor	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Heptachlor epoxide	ND	1.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Methoxychlor	ND	5.0	1	B4G0066	07/04/2014	07/08/14 02:38	
Toxaphene [2C]	300	50	1	B4G0066	07/04/2014	07/08/14 02:38	
<i>Surrogate: Decachlorobiphenyl</i>	43.6 %	29 - 143		B4G0066	07/04/2014	07/08/14 02:38	
<i>Surrogate: Tetrachloro-m-xylene</i>	34.7 %	52 - 114		B4G0066	07/04/2014	07/08/14 02:38	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-34
Lab ID: 1401955-21

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0083	07/07/2014	07/08/14 14:06	
Lead	5.9	1.0	1	B4G0083	07/07/2014	07/08/14 14:06	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 14:06	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
4,4'-DDE [2C]	150	10	5	B4G0072	07/05/2014	07/09/14 09:50	
4,4'-DDT [2C]	43	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 20:31	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Dieldrin [2C]	3.0	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:31	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 20:31	
Toxaphene [2C]	440	50	1	B4G0072	07/05/2014	07/08/14 20:31	
Surrogate: Decachlorobiphenyl	72.2 %	29 - 143		B4G0072	07/05/2014	07/08/14 20:31	
Surrogate: Decachlorobiphenyl	90.8 %	29 - 143		B4G0072	07/05/2014	07/09/14 09:50	
Surrogate: Tetrachloro-m-xylene	52.7 %	52 - 114		B4G0072	07/05/2014	07/08/14 20:31	
Surrogate: Tetrachloro-m-xylene	61.8 %	52 - 114		B4G0072	07/05/2014	07/09/14 09:50	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-38

Lab ID: 1401955-22

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.1	1.0	1	B4G0083	07/07/2014	07/08/14 14:07	
Lead	6.4	1.0	1	B4G0083	07/07/2014	07/08/14 14:07	
Selenium	ND	1.0	1	B4G0083	07/07/2014	07/08/14 14:07	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
4,4'-DDE	31	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
4,4'-DDT [2C]	9.8	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 20:42	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:42	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 20:42	
Toxaphene [2C]	180	50	1	B4G0072	07/05/2014	07/08/14 20:42	
<i>Surrogate: Decachlorobiphenyl</i>	72.7 %	29 - 143		B4G0072	07/05/2014	07/08/14 20:42	
<i>Surrogate: Tetrachloro-m-xylene</i>	54.1 %	52 - 114		B4G0072	07/05/2014	07/08/14 20:42	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-36

Lab ID: 1401955-23

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B4G0084	07/07/2014	07/08/14 14:54	
Lead	6.8	1.0	1	B4G0084	07/07/2014	07/08/14 14:54	
Selenium	1.3	1.0	1	B4G0084	07/07/2014	07/08/14 14:54	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
4,4'-DDE	3.5	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
4,4'-DDT	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 20:53	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 20:53	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 20:53	
Toxaphene [2C]	91	50	1	B4G0072	07/05/2014	07/08/14 20:53	
<i>Surrogate: Decachlorobiphenyl</i>	<i>71.9 %</i>	<i>29 - 143</i>		B4G0072	07/05/2014	07/08/14 20:53	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>55.2 %</i>	<i>52 - 114</i>		B4G0072	07/05/2014	07/08/14 20:53	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-29

Lab ID: 1401955-24

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.4	1.0	1	B4G0084	07/07/2014	07/08/14 14:57	
Lead	6.5	1.0	1	B4G0084	07/07/2014	07/08/14 14:57	
Selenium	1.3	1.0	1	B4G0084	07/07/2014	07/08/14 14:57	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
4,4'-DDE	9.4	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
4,4'-DDT	2.7	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 21:03	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:03	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 21:03	
Toxaphene [2C]	93	50	1	B4G0072	07/05/2014	07/08/14 21:03	
<i>Surrogate: Decachlorobiphenyl</i>	<i>129 %</i>	<i>29 - 143</i>		B4G0072	07/05/2014	07/08/14 21:03	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>46.9 %</i>	<i>52 - 114</i>		B4G0072	07/05/2014	07/08/14 21:03	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-32

Lab ID: 1401955-25

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0084	07/07/2014	07/08/14 14:59	
Lead	6.2	1.0	1	B4G0084	07/07/2014	07/08/14 14:59	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 14:59	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
4,4'-DDE	13	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
4,4'-DDT	4.0	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 21:13	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:13	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 21:13	
Toxaphene [2C]	110	50	1	B4G0072	07/05/2014	07/08/14 21:13	
Surrogate: Decachlorobiphenyl	78.5 %	29 - 143		B4G0072	07/05/2014	07/08/14 21:13	
Surrogate: Tetrachloro-m-xylene	54.6 %	52 - 114		B4G0072	07/05/2014	07/08/14 21:13	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-37

Lab ID: 1401955-26

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.0	1.0	1	B4G0084	07/07/2014	07/08/14 15:00	
Lead	5.8	1.0	1	B4G0084	07/07/2014	07/08/14 15:00	
Selenium	1.1	1.0	1	B4G0084	07/07/2014	07/08/14 15:00	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
4,4'-DDE [2C]	19	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
4,4'-DDT [2C]	5.7	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 21:24	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:24	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 21:24	
Toxaphene [2C]	130	50	1	B4G0072	07/05/2014	07/08/14 21:24	
<i>Surrogate: Decachlorobiphenyl</i>	<i>66.9 %</i>	<i>29 - 143</i>		B4G0072	07/05/2014	07/08/14 21:24	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>52.8 %</i>	<i>52 - 114</i>		B4G0072	07/05/2014	07/08/14 21:24	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Client Sample ID S-33

Lab ID: 1401955-27

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B4G0084	07/07/2014	07/08/14 15:06	
Lead	5.5	1.0	1	B4G0084	07/07/2014	07/08/14 15:06	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:06	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
4,4'-DDE [2C]	200	20	10	B4G0072	07/05/2014	07/09/14 10:01	
4,4'-DDT [2C]	55	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 21:34	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Dieldrin [2C]	4.8	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:34	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 21:34	
Toxaphene [2C]	650	50	1	B4G0072	07/05/2014	07/08/14 21:34	
<i>Surrogate: Decachlorobiphenyl</i>	68.6 %	29 - 143		B4G0072	07/05/2014	07/08/14 21:34	
<i>Surrogate: Decachlorobiphenyl</i>	95.2 %	29 - 143		B4G0072	07/05/2014	07/09/14 10:01	
<i>Surrogate: Tetrachloro-m-xylene</i>	51.1 %	52 - 114		B4G0072	07/05/2014	07/08/14 21:34	S10
<i>Surrogate: Tetrachloro-m-xylene</i>	63.6 %	52 - 114		B4G0072	07/05/2014	07/09/14 10:01	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-30

Lab ID: 1401955-28

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.2	1.0	1	B4G0084	07/07/2014	07/08/14 15:07	
Lead	6.6	1.0	1	B4G0084	07/07/2014	07/08/14 15:07	
Selenium	1.4	1.0	1	B4G0084	07/07/2014	07/08/14 15:07	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
4,4'-DDE	150	10	5	B4G0072	07/05/2014	07/09/14 10:11	
4,4'-DDT [2C]	72	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 21:45	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Dieldrin [2C]	5.8	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:45	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 21:45	
Toxaphene [2C]	840	250	5	B4G0072	07/05/2014	07/09/14 10:11	
<i>Surrogate: Decachlorobiphenyl</i>	78.9 %	29 - 143		B4G0072	07/05/2014	07/08/14 21:45	
<i>Surrogate: Decachlorobiphenyl</i>	82.7 %	29 - 143		B4G0072	07/05/2014	07/09/14 10:11	
<i>Surrogate: Tetrachloro-m-xylene</i>	48.2 %	52 - 114		B4G0072	07/05/2014	07/08/14 21:45	S10
<i>Surrogate: Tetrachloro-m-xylene</i>	57.2 %	52 - 114		B4G0072	07/05/2014	07/09/14 10:11	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-28

Lab ID: 1401955-29

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.3	1.0	1	B4G0084	07/07/2014	07/08/14 15:09	
Lead	6.0	1.0	1	B4G0084	07/07/2014	07/08/14 15:09	
Selenium	1.1	1.0	1	B4G0084	07/07/2014	07/08/14 15:09	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
4,4'-DDE [2C]	65	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
4,4'-DDT [2C]	30	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 21:55	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Dieldrin [2C]	3.0	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 21:55	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 21:55	
Toxaphene [2C]	380	50	1	B4G0072	07/05/2014	07/08/14 21:55	
<i>Surrogate: Decachlorobiphenyl</i>	60.6 %	29 - 143		B4G0072	07/05/2014	07/08/14 21:55	
<i>Surrogate: Tetrachloro-m-xylene</i>	48.6 %	52 - 114		B4G0072	07/05/2014	07/08/14 21:55	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-20

Lab ID: 1401955-30

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B4G0084	07/07/2014	07/08/14 15:11	
Lead	5.7	1.0	1	B4G0084	07/07/2014	07/08/14 15:11	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:11	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
4,4'-DDE	54	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
4,4'-DDT [2C]	24	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 22:05	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Dieldrin [2C]	2.7	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:05	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 22:05	
Toxaphene	300	50	1	B4G0072	07/05/2014	07/08/14 22:05	
<i>Surrogate: Decachlorobiphenyl</i>	76.1 %	29 - 143		B4G0072	07/05/2014	07/08/14 22:05	
<i>Surrogate: Tetrachloro-m-xylene</i>	47.9 %	52 - 114		B4G0072	07/05/2014	07/08/14 22:05	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-31

Lab ID: 1401955-31

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	7.0	1.0	1	B4G0084	07/07/2014	07/08/14 15:12	
Lead	7.2	1.0	1	B4G0084	07/07/2014	07/08/14 15:12	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:12	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
4,4'-DDE	45	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
4,4'-DDT [2C]	29	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 22:16	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Dieldrin [2C]	3.2	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:16	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 22:16	
Toxaphene	290	50	1	B4G0072	07/05/2014	07/08/14 22:16	
<i>Surrogate: Decachlorobiphenyl</i>	65.2 %	29 - 143		B4G0072	07/05/2014	07/08/14 22:16	
<i>Surrogate: Tetrachloro-m-xylene</i>	50.3 %	52 - 114		B4G0072	07/05/2014	07/08/14 22:16	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-14

Lab ID: 1401955-32

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B4G0084	07/07/2014	07/08/14 15:14	
Lead	7.1	1.0	1	B4G0084	07/07/2014	07/08/14 15:14	
Selenium	1.2	1.0	1	B4G0084	07/07/2014	07/08/14 15:14	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
4,4'-DDE	23	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
4,4'-DDT [2C]	12	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 22:26	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Dieldrin [2C]	2.3	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:26	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 22:26	
Toxaphene [2C]	170	50	1	B4G0072	07/05/2014	07/08/14 22:26	
<i>Surrogate: Decachlorobiphenyl</i>	62.2 %	29 - 143		B4G0072	07/05/2014	07/08/14 22:26	
<i>Surrogate: Tetrachloro-m-xylene</i>	48.7 %	52 - 114		B4G0072	07/05/2014	07/08/14 22:26	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-17

Lab ID: 1401955-33

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	5.8	1.0	1	B4G0084	07/07/2014	07/08/14 15:15	
Lead	5.0	1.0	1	B4G0084	07/07/2014	07/08/14 15:15	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:15	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
4,4'-DDE [2C]	48	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
4,4'-DDT [2C]	14	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 22:37	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:37	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 22:37	
Toxaphene	170	50	1	B4G0072	07/05/2014	07/08/14 22:37	
Surrogate: Decachlorobiphenyl	66.6 %	29 - 143		B4G0072	07/05/2014	07/08/14 22:37	
Surrogate: Tetrachloro-m-xylene	54.7 %	52 - 114		B4G0072	07/05/2014	07/08/14 22:37	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-25

Lab ID: 1401955-34

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.6	1.0	1	B4G0084	07/07/2014	07/08/14 15:17	
Lead	6.4	1.0	1	B4G0084	07/07/2014	07/08/14 15:17	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:17	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
4,4'-DDE	2.6	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
4,4'-DDT	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 22:47	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:47	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 22:47	
Toxaphene [2C]	58	50	1	B4G0072	07/05/2014	07/08/14 22:47	
<i>Surrogate: Decachlorobiphenyl</i>	92.8 %	29 - 143		B4G0072	07/05/2014	07/08/14 22:47	
<i>Surrogate: Tetrachloro-m-xylene</i>	53.3 %	52 - 114		B4G0072	07/05/2014	07/08/14 22:47	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-27

Lab ID: 1401955-35

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.2	1.0	1	B4G0084	07/07/2014	07/08/14 15:18	
Lead	9.4	1.0	1	B4G0084	07/07/2014	07/08/14 15:18	
Selenium	1.5	1.0	1	B4G0084	07/07/2014	07/08/14 15:18	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
4,4'-DDE	37	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
4,4'-DDT [2C]	22	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 22:58	
delta-BHC [2C]	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Dieldrin [2C]	4.0	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 22:58	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 22:58	
Toxaphene [2C]	280	50	1	B4G0072	07/05/2014	07/08/14 22:58	
Surrogate: Decachlorobiphenyl	70.4 %	29 - 143		B4G0072	07/05/2014	07/08/14 22:58	
Surrogate: Tetrachloro-m-xylene	56.1 %	52 - 114		B4G0072	07/05/2014	07/08/14 22:58	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-35

Lab ID: 1401955-36

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.9	1.0	1	B4G0084	07/07/2014	07/08/14 15:20	
Lead	7.4	1.0	1	B4G0084	07/07/2014	07/08/14 15:20	
Selenium	1.3	1.0	1	B4G0084	07/07/2014	07/08/14 15:20	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
4,4'-DDE	7.0	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
4,4'-DDT [2C]	3.8	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 23:08	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:08	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 23:08	
Toxaphene [2C]	87	50	1	B4G0072	07/05/2014	07/08/14 23:08	
Surrogate: Decachlorobiphenyl	62.9 %	29 - 143		B4G0072	07/05/2014	07/08/14 23:08	
Surrogate: Tetrachloro-m-xylene	48.3 %	52 - 114		B4G0072	07/05/2014	07/08/14 23:08	S10



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/15/2014

Client Sample ID S-26

Lab ID: 1401955-37

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.7	1.0	1	B4G0084	07/07/2014	07/08/14 15:27	
Lead	7.1	1.0	1	B4G0084	07/07/2014	07/08/14 15:27	
Selenium	1.1	1.0	1	B4G0084	07/07/2014	07/08/14 15:27	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
4,4'-DDE	4.9	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
4,4'-DDT	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 23:19	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:19	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 23:19	
Toxaphene	ND	50	1	B4G0072	07/05/2014	07/08/14 23:19	
Surrogate: Decachlorobiphenyl	63.3 %	29 - 143		B4G0072	07/05/2014	07/08/14 23:19	
Surrogate: Tetrachloro-m-xylene	49.1 %	52 - 114		B4G0072	07/05/2014	07/08/14 23:19	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Client Sample ID S-24

Lab ID: 1401955-38

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	6.5	1.0	1	B4G0084	07/07/2014	07/08/14 15:29	
Lead	6.6	1.0	1	B4G0084	07/07/2014	07/08/14 15:29	
Selenium	ND	1.0	1	B4G0084	07/07/2014	07/08/14 15:29	

Organochlorine Pesticides by EPA 8081

Analyst: MFR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
4,4'-DDE	6.5	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
4,4'-DDT	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Aldrin	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
alpha-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
alpha-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
beta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Chlordane	ND	8.5	1	B4G0072	07/05/2014	07/08/14 23:29	
delta-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Dieldrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Endosulfan I	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Endosulfan II	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Endosulfan sulfate	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Endrin	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Endrin aldehyde	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Endrin ketone	ND	2.0	1	B4G0072	07/05/2014	07/08/14 23:29	
gamma-BHC	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
gamma-Chlordane	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Heptachlor	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Heptachlor epoxide	ND	1.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Methoxychlor	ND	5.0	1	B4G0072	07/05/2014	07/08/14 23:29	
Toxaphene [2C]	95	50	1	B4G0072	07/05/2014	07/08/14 23:29	
Surrogate: Decachlorobiphenyl	62.0 %	29 - 143		B4G0072	07/05/2014	07/08/14 23:29	
Surrogate: Tetrachloro-m-xylene	46.7 %	52 - 114		B4G0072	07/05/2014	07/08/14 23:29	S10



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B4G0082 - EPA 3050B

Blank (B4G0082-BLK1)

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
Selenium	ND	1.0			NR				

LCS (B4G0082-BS1)

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	48.0404	1.0	50.0000		96.1	80 - 120			
Lead	49.6404	1.0	50.0000		99.3	80 - 120			
Selenium	44.0806	1.0	50.0000		88.2	80 - 120			

Duplicate (B4G0082-DUP1)

Source: 1401954-01

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	7.70745	1.0		6.19594	NR		21.7	20	R
Lead	4.26024	1.0		4.98701	NR		15.7	20	
Selenium	3.59027	1.0		2.10110	NR		52.3	20	R

Matrix Spike (B4G0082-MS1)

Source: 1401954-01

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	99.0490	1.0	125.000	6.19594	74.3	52 - 109			
Lead	88.7322	1.0	125.000	4.98701	67.0	43 - 120			
Selenium	90.0070	1.0	125.000	2.10110	70.3	57 - 101			

Matrix Spike Dup (B4G0082-MSD1)

Source: 1401954-01

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	106.795	1.0	125.000	6.19594	80.5	52 - 109	7.53	20	
Lead	96.1076	1.0	125.000	4.98701	72.9	43 - 120	7.98	20	
Selenium	96.5774	1.0	125.000	2.10110	75.6	57 - 101	7.04	20	

Batch B4G0083 - EPA 3050B

Blank (B4G0083-BLK1)

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	ND	1.0			NR				
Lead	ND	1.0			NR				
Selenium	ND	1.0			NR				

LCS (B4G0083-BS1)

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	46.4045	1.0	50.0000		92.8	80 - 120			
Lead	48.0850	1.0	50.0000		96.2	80 - 120			
Selenium	42.6560	1.0	50.0000		85.3	80 - 120			

Matrix Spike (B4G0083-MS1)

Source: 1401955-03

Prepared: 7/7/2014 Analyzed: 7/8/2014

Arsenic	101.607	1.0	125.000	6.91437	75.8	52 - 109			
Lead	97.4840	1.0	125.000	7.22681	72.2	43 - 120			
Selenium	90.5976	1.0	125.000	1.59032	71.2	57 - 101			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Total Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B4G0083 - EPA 3050B (continued)

Matrix Spike Dup (B4G0083-MSD1)		Source: 1401955-03		Prepared: 7/7/2014 Analyzed: 7/8/2014					
Arsenic	104.460	1.0	125.000	6.91437	78.0	52 - 109	2.77	20	
Lead	98.9808	1.0	125.000	7.22681	73.4	43 - 120	1.52	20	
Selenium	92.0762	1.0	125.000	1.59032	72.4	57 - 101	1.62	20	

Batch B4G0084 - EPA 3050B

Blank (B4G0084-BLK1)		Prepared: 7/7/2014 Analyzed: 7/8/2014							
Arsenic	ND	1.0				NR			
Lead	ND	1.0				NR			
Selenium	ND	1.0				NR			

LCS (B4G0084-BS1)		Prepared: 7/7/2014 Analyzed: 7/8/2014							
Arsenic	46.5699	1.0	50.0000		93.1	80 - 120			
Lead	48.1205	1.0	50.0000		96.2	80 - 120			
Selenium	42.5730	1.0	50.0000		85.1	80 - 120			

Matrix Spike (B4G0084-MS1)		Source: 1401955-23		Prepared: 7/7/2014 Analyzed: 7/8/2014					
Arsenic	102.380	1.0	125.000	6.66219	76.6	52 - 109			
Lead	97.3495	1.0	125.000	6.83768	72.4	43 - 120			
Selenium	91.1884	1.0	125.000	1.25332	71.9	57 - 101			

Matrix Spike Dup (B4G0084-MSD1)		Source: 1401955-23		Prepared: 7/7/2014 Analyzed: 7/8/2014					
Arsenic	101.286	1.0	125.000	6.66219	75.7	52 - 109	1.07	20	
Lead	98.1177	1.0	125.000	6.83768	73.0	43 - 120	0.786	20	
Selenium	93.0344	1.0	125.000	1.25332	73.4	57 - 101	2.00	20	



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	------------------	------------	--------------	-------

Batch B4G0066 - GCSEMI_PCB/PEST

Blank (B4G0066-BLK1)

Prepared: 7/4/2014 Analyzed: 7/7/2014

4,4'-DDD	ND	2.0			NR				
4,4'-DDD [2C]	ND	2.0			NR				
4,4'-DDE	ND	2.0			NR				
4,4'-DDE [2C]	ND	2.0			NR				
4,4'-DDT	ND	2.0			NR				
4,4'-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	------------	--------------	-------

Batch B4G0066 - GCSEMI_PCB/PEST (continued)

Blank (B4G0066-BLK1) - Continued

Prepared: 7/4/2014 Analyzed: 7/7/2014

Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.74</i>		<i>16.6667</i>		<i>70.4</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.50</i>		<i>16.6667</i>		<i>75.0</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.15</i>		<i>16.6667</i>		<i>66.9</i>	<i>52 - 114</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.32</i>		<i>16.6667</i>		<i>67.9</i>	<i>52 - 114</i>			

LCS (B4G0066-BS1)

Prepared: 7/4/2014 Analyzed: 7/7/2014

4,4'-DDT	12.1837	2.0	16.6667		73.1	50 - 110			
4,4'-DDT [2C]	11.8615	2.0	16.6667		71.2	50 - 110			
Aldrin	11.9425	1.0	16.6667		71.7	59 - 101			
Aldrin [2C]	12.2368	1.0	16.6667		73.4	59 - 101			
Dieldrin	12.3330	2.0	16.6667		74.0	55 - 101			
Dieldrin [2C]	12.3728	2.0	16.6667		74.2	55 - 101			
Endrin	12.5800	2.0	16.6667		75.5	49 - 109			
Endrin [2C]	12.0875	2.0	16.6667		72.5	49 - 109			
gamma-BHC	12.4948	1.0	16.6667		75.0	62 - 102			
gamma-BHC [2C]	12.5173	1.0	16.6667		75.1	62 - 102			
Heptachlor	15.5593	1.0	16.6667		93.4	50 - 123			
Heptachlor [2C]	14.2045	1.0	16.6667		85.2	50 - 123			
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.88</i>		<i>16.6667</i>		<i>71.3</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>11.85</i>		<i>16.6667</i>		<i>71.1</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.67</i>		<i>16.6667</i>		<i>70.0</i>	<i>52 - 114</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>12.25</i>		<i>16.6667</i>		<i>73.5</i>	<i>52 - 114</i>			

Matrix Spike (B4G0066-MS1)

Source: 1401955-17

Prepared: 7/4/2014 Analyzed: 7/7/2014

4,4'-DDT	18.4348	2.0	16.6667	9.16600	55.6	32 - 161			
4,4'-DDT [2C]	21.5322	2.0	16.6667	11.9447	57.5	32 - 161			
Aldrin	8.74433	1.0	16.6667	ND	52.5	51 - 137			
Aldrin [2C]	9.08650	1.0	16.6667	ND	54.5	51 - 137			
Dieldrin	10.5333	2.0	16.6667	ND	63.2	39 - 150			
Dieldrin [2C]	10.4985	2.0	16.6667	ND	63.0	39 - 150			
Endrin	10.7995	2.0	16.6667	ND	64.8	41 - 160			
Endrin [2C]	10.7513	2.0	16.6667	ND	64.5	41 - 160			
gamma-BHC	8.76700	1.0	16.6667	ND	52.6	63 - 126			M2
gamma-BHC [2C]	8.82767	1.0	16.6667	ND	53.0	63 - 126			M2
Heptachlor	10.8055	1.0	16.6667	ND	64.8	32 - 177			
Heptachlor [2C]	10.7193	1.0	16.6667	ND	64.3	32 - 177			
<i>Surrogate: Decachlorobiphenyl</i>	<i>9.654</i>		<i>16.6667</i>		<i>57.9</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.36</i>		<i>16.6667</i>		<i>62.1</i>	<i>29 - 143</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B4G0066 - GCSEMI_PCB/PEST (continued)

Matrix Spike (B4G0066-MS1) - Continued

Source: 1401955-17

Prepared: 7/4/2014 Analyzed: 7/7/2014

Surrogate: Tetrachloro-m-xylene	7.438		16.6667		44.6	52 - 114			S10
Surrogate: Tetrachloro-m-xylene [2C]	8.680		16.6667		52.1	52 - 114			

Matrix Spike Dup (B4G0066-MSD1)

Source: 1401955-17

Prepared: 7/4/2014 Analyzed: 7/7/2014

4,4'-DDT	18.9462	2.0	16.6667	9.16600	58.7	32 - 161	2.74	20	
4,4'-DDT [2C]	22.1090	2.0	16.6667	11.9447	61.0	32 - 161	2.64	20	
Aldrin	8.87617	1.0	16.6667	ND	53.3	51 - 137	1.50	20	
Aldrin [2C]	9.20667	1.0	16.6667	ND	55.2	51 - 137	1.31	20	
Dieldrin	10.5695	2.0	16.6667	ND	63.4	39 - 150	0.343	20	
Dieldrin [2C]	10.6108	2.0	16.6667	ND	63.7	39 - 150	1.06	20	
Endrin	11.0123	2.0	16.6667	ND	66.1	41 - 160	1.95	20	
Endrin [2C]	10.9650	2.0	16.6667	ND	65.8	41 - 160	1.97	20	
gamma-BHC	8.83850	1.0	16.6667	ND	53.0	63 - 126	0.812	20	M2
gamma-BHC [2C]	8.88017	1.0	16.6667	ND	53.3	63 - 126	0.593	20	M2
Heptachlor	11.0065	1.0	16.6667	ND	66.0	32 - 177	1.84	20	
Heptachlor [2C]	10.7595	1.0	16.6667	ND	64.6	32 - 177	0.374	20	
<hr/>									
Surrogate: Decachlorobiphenyl	9.937		16.6667		59.6	29 - 143			
Surrogate: Decachlorobiphenyl [2C]	10.05		16.6667		60.3	29 - 143			
Surrogate: Tetrachloro-m-xylene	7.582		16.6667		45.5	52 - 114			S10
Surrogate: Tetrachloro-m-xylene [2C]	8.764		16.6667		52.6	52 - 114			

Batch B4G0072 - GCSEMI_PCB/PEST

Blank (B4G0072-BLK1)

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDD	ND	2.0							NR
4,4'-DDD [2C]	ND	2.0							NR
4,4'-DDE	ND	2.0							NR
4,4'-DDE [2C]	ND	2.0							NR
4,4'-DDT	ND	2.0							NR
4,4'-DDT [2C]	ND	2.0							NR
Aldrin	ND	1.0							NR
Aldrin [2C]	ND	1.0							NR
alpha-BHC	ND	1.0							NR
alpha-BHC [2C]	ND	1.0							NR
alpha-Chlordane	ND	1.0							NR
alpha-Chlordane [2C]	ND	1.0							NR
beta-BHC	ND	1.0							NR
beta-BHC [2C]	ND	1.0							NR
Chlordane	ND	8.5							NR
Chlordane [2C]	ND	8.5							NR
delta-BHC	ND	1.0							NR



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073
 Report To : Ralph Carson
 Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	--------	-----	--------------	-------

Batch B4G0072 - GCSEMI_PCB/PEST (continued)

Blank (B4G0072-BLK1) - Continued

Prepared: 7/5/2014 Analyzed: 7/8/2014

delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				

<i>Surrogate: Decachlorobiphenyl</i>	<i>12.12</i>		<i>16.6667</i>		<i>72.7</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.21</i>		<i>16.6667</i>		<i>73.3</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>10.96</i>		<i>16.6667</i>		<i>65.8</i>	<i>52 - 114</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.39</i>		<i>16.6667</i>		<i>68.4</i>	<i>52 - 114</i>			

LCS (B4G0072-BS1)

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDT	12.0845	2.0	16.6667		72.5	50 - 110			
4,4'-DDT [2C]	12.1873	2.0	16.6667		73.1	50 - 110			
Aldrin	11.6688	1.0	16.6667		70.0	59 - 101			
Aldrin [2C]	12.0368	1.0	16.6667		72.2	59 - 101			
Dieldrin	12.2755	2.0	16.6667		73.7	55 - 101			
Dieldrin [2C]	12.5435	2.0	16.6667		75.3	55 - 101			
Endrin	12.7988	2.0	16.6667		76.8	49 - 109			
Endrin [2C]	12.8747	2.0	16.6667		77.2	49 - 109			



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	----------------	-----------------	-----	--------------	-------

Batch B4G0072 - GCSEMI_PCB/PEST (continued)

LCS (B4G0072-BS1) - Continued

Prepared: 7/5/2014 Analyzed: 7/8/2014

gamma-BHC	12.3378	1.0	16.6667		74.0	62 - 102			
gamma-BHC [2C]	12.1917	1.0	16.6667		73.2	62 - 102			
Heptachlor	14.4118	1.0	16.6667		86.5	50 - 123			
Heptachlor [2C]	13.8547	1.0	16.6667		83.1	50 - 123			
<i>Surrogate: Decachlorobiphenyl</i>	<i>12.65</i>		<i>16.6667</i>		<i>75.9</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>12.53</i>		<i>16.6667</i>		<i>75.2</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>10.47</i>		<i>16.6667</i>		<i>62.8</i>	<i>52 - 114</i>			
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>11.00</i>		<i>16.6667</i>		<i>66.0</i>	<i>52 - 114</i>			

Matrix Spike (B4G0072-MS1)

Source: 1401955-25

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDT	14.3217	2.0	16.6667	3.95017	62.2	32 - 161			
4,4'-DDT [2C]	15.1582	2.0	16.6667	3.93533	67.3	32 - 161			
Aldrin	9.46717	1.0	16.6667	ND	56.8	51 - 137			
Aldrin [2C]	10.1323	1.0	16.6667	ND	60.8	51 - 137			
Dieldrin	10.1990	2.0	16.6667	ND	61.2	39 - 150			
Dieldrin [2C]	11.2287	2.0	16.6667	ND	67.4	39 - 150			
Endrin	10.8865	2.0	16.6667	ND	65.3	41 - 160			
Endrin [2C]	11.1688	2.0	16.6667	ND	67.0	41 - 160			
gamma-BHC	9.97900	1.0	16.6667	ND	59.9	63 - 126			M2
gamma-BHC [2C]	10.2157	1.0	16.6667	ND	61.3	63 - 126			M2
Heptachlor	11.5153	1.0	16.6667	ND	69.1	32 - 177			
Heptachlor [2C]	11.8147	1.0	16.6667	ND	70.9	32 - 177			
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.65</i>		<i>16.6667</i>		<i>63.9</i>	<i>29 - 143</i>			
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>10.94</i>		<i>16.6667</i>		<i>65.6</i>	<i>29 - 143</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>8.341</i>		<i>16.6667</i>		<i>50.0</i>	<i>52 - 114</i>			S10
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>8.861</i>		<i>16.6667</i>		<i>53.2</i>	<i>52 - 114</i>			

Matrix Spike Dup (B4G0072-MSD1)

Source: 1401955-25

Prepared: 7/5/2014 Analyzed: 7/8/2014

4,4'-DDT	16.1262	2.0	16.6667	3.95017	73.1	32 - 161	11.9	20	
4,4'-DDT [2C]	17.1550	2.0	16.6667	3.93533	79.3	32 - 161	12.4	20	
Aldrin	10.5578	1.0	16.6667	ND	63.3	51 - 137	10.9	20	
Aldrin [2C]	11.2353	1.0	16.6667	ND	67.4	51 - 137	10.3	20	
Dieldrin	11.3065	2.0	16.6667	ND	67.8	39 - 150	10.3	20	
Dieldrin [2C]	12.3330	2.0	16.6667	ND	74.0	39 - 150	9.37	20	
Endrin	12.0908	2.0	16.6667	ND	72.5	41 - 160	10.5	20	
Endrin [2C]	12.3072	2.0	16.6667	ND	73.8	41 - 160	9.70	20	
gamma-BHC	11.2400	1.0	16.6667	ND	67.4	63 - 126	11.9	20	
gamma-BHC [2C]	11.4248	1.0	16.6667	ND	68.5	63 - 126	11.2	20	
Heptachlor	12.9942	1.0	16.6667	ND	78.0	32 - 177	12.1	20	
Heptachlor [2C]	13.1705	1.0	16.6667	ND	79.0	32 - 177	10.9	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.45</i>		<i>16.6667</i>		<i>68.7</i>	<i>29 - 143</i>			



Certificate of Analysis

Stantec Consulting Services Inc.
 3475 W. Shaw Ave. Suite 104
 Fresno , CA 93711

Project Number : RE Tranquility, 185803073

Report To : Ralph Carson

Reported : 07/15/2014

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B4G0072 - GCSEMI_PCB/PEST (continued)

Matrix Spike Dup (B4G0072-MSD1) - Continued

Source: 1401955-25

Prepared: 7/5/2014 Analyzed: 7/8/2014

Surrogate: Decachlorobiphenyl [2C]	11.71		16.6667		70.3	29 - 143		
Surrogate: Tetrachloro-m-xylene	9.220		16.6667		55.3	52 - 114		
Surrogate: Tetrachloro-m-xylene [2C]	9.764		16.6667		58.6	52 - 114		



Certificate of Analysis

Stantec Consulting Services Inc.
3475 W. Shaw Ave. Suite 104
Fresno , CA 93711

Project Number : RE Tranquility, 185803073
Report To : Ralph Carson
Reported : 07/15/2014

Notes and Definitions

S10	Surrogate recovery outside of laboratory acceptance limit possibly due to matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

