Appendix I
Hazards and Hazards Materials

Appendix I1, Phase I Environmental Site Assessment for Little Bear 1 and 2 (July 2015)

Appendix I2, Phase I Environmental Site Assessment for Little Bear 3 and 4 (October 2015)

Appendix I3, Little Bear 1-4, Limited Phase II Environmental Site Assessment (Nov. 2015)

Appendix I4, Little Bear Expansion Property (Section 13), Limited Phase II Environmental Site Assessment Report (January 2017)

Appendix I5, Phase I Environmental Site Assessment Report for the Proposed Little Bear Expansion Solar Project (January 2017)

Appendix I6, Phase I ESA Update for the Proposed Little Bear 1 and 4 Solar Project (Section 14) (June 2017)

Appendix I1

Phase I Environmental Site Assessment for Little Bear 1 and 2 (July 2015)

Imagine the result

First Solar Development, LLC

Phase I Environmental Site Assessment

Little Bear 1 and 2 Solar Project
Fresno County, California

July 31, 2015

Phase I Environmental Site Assessment

Little Bear 1 and 2 Solar Project

Fresno County, California

Prepared for:

First Solar Development, LLC

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July 31, 2015

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Executive Summary

ARCADIS U.S., Inc. (ARCADIS) was retained by First Solar Development, LLC (Client) to conduct a Phase I Environmental Site Assessment (ESA) for the proposed Little Bear 1 and 2 Solar Project located in unincorporated Fresno County, California (Subject Property). The Subject Property, which First Solar has an option to purchase for solar energy generation, is approximately 312.56 acres of vacant, former agricultural land and is comprised of two parcels where solar panels and other associated infrastructure would be constructed. There is no physical address associated with the Subject Property. A vicinity map is depicted in **Figure 1**. The Subject Property is defined as the areas described above and as depicted in **Figure 2**.

This Phase I ESA was conducted in accordance with the ASTM International *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process ASTM 1527-13* (ASTM Practice E 1527-13, 2013*).* The goal of the Phase I ESA was to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and historical recognized environmental conditions (HRECs) associated with the property in conformance with ASTM E 1527-13.

Summary of Phase I ESA Findings

Summary Information – Non RECs

- The Subject Property includes approximately 312.56 acres of former agricultural land that will be the site of the proposed Little Bear 1 and 2 Solar Project. Two parcels have been contracted with an option to purchase where solar panels and other associated infrastructure are planned to be located.
- Based on the historical research and interviews completed for this Phase I ESA, the Subject Property has historically been agricultural land. Older persistent pesticides may have been applied to the Subject Property in the past. However, ARCADIS does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition. However, if significant disturbance to surface and near-surface soil will occur during future development activities, soil sampling and analysis for pesticides may be warranted to be protective of onsite worker health.

- The limited existing infrastructure on the Subject Property includes a water main and former irrigation features and pipes. There are no buildings located on the Subject Property. If future development activities involve removing former irrigation and drainage piping, the pipes should be inspected for Transite™ asbestos prior to removal. If the pipes contain Transite™ asbestos, they will require special handling and disposal as hazardous waste.

REC, HREC and CREC Findings

ARCADIS performed a Phase I ESA of the Subject Property in conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deviations from this practice are described in Section 1 of this Report. This assessment has revealed no evidence of RECs, HRECs or CRECs at the Subject Property, as defined under ASTM Practice E 1527-13.

***De Minimis* Conditions**

No *de minimis* conditions were identified for the Subject Property.

Conclusions

Based on a review of the information obtained from interviews of the property owner representatives, landowner, and other people knowledgeable of the Subject Property, historical topographical maps and aerial photographs, environmental regulatory and other databases, and a site reconnaissance, no RECs, HRECs or CRECs were identified in association with the Subject Property. No further investigation is recommended at this time.

1. Introduction

ARCADIS U.S., Inc. (ARCADIS) was retained by First Solar Development, LLC (Client) to conduct a Phase I Environmental Site Assessment (ESA) for the proposed Little Bear 1 and 2 Solar Project located in unincorporated Fresno County, California (Subject Property). The Subject Property, which First Solar has an option to purchase for solar energy generation, is approximately 312.56 acres of vacant, former agricultural land and is comprised of two parcels where solar panels and other associated infrastructure would be constructed. There is no physical address associated with the Subject Property. A vicinity map is depicted in **Figure 1**. The Subject Property is defined as the areas described above and as depicted in **Figure 2.**

This Phase I ESA was conducted in general accordance with the ASTM International *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13* (ASTM Practice E 1527-13, 2013). Any exceptions to or deviations from this standard practice have been noted in the report. The Phase I ESA investigation included a detailed review of aerial photography, visual reconnaissance of the property, observation of adjacent properties, environmental regulatory agency records review, review of existing environmental reports (where applicable), and interviews with personnel knowledgeable about the property.

The assessment included the following components:

1) A drive-through reconnaissance of the Subject Property on unpaved access roads;
2) A walk-through reconnaissance of the Subject Property where possible;
3) Interviews with the Subject Property landowner representative;
4) A review of readily available historical site information, including topographic maps and aerial photographs;
5) A review of Federal and State environmental regulatory agency databases; and
6) Report preparation.

There are no buildings on the Subject Property. No sampling was conducted to assess soil or groundwater impacts, suspected asbestos-containing materials, lead based paint, polychlorinated biphenyls (PCBs), or radon. Sampling is considered beyond the requirements of ASTM E 1527-13.

1.1 Purpose

The Client requested that ARCADIS conduct a Phase I ESA of the Subject Property as part of standard due diligence for a real estate transaction.

The purpose of this assessment was to identify Recognized Environmental Conditions (RECs) in connection with the Subject Property to the extent feasible pursuant to the processes prescribed in ASTM E 1527-13 and 40 CFR Part 312, "Standards and Practices for All Appropriate Inquires: Final Rule," which became effective on November 1, 2006.

The goal of the Phase I ESA was to identify RECs, controlled recognized environmental conditions (CRECs), and historical recognized environmental conditions (HRECs) associated with the property in conformance with ASTM E 1527-13.

A REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to 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. De minimis conditions are not RECs.

A CREC is defined 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), 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).

An HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting 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).

1.2 Detailed Scope of Services

ARCADIS' authorized scope of work specified that the Phase I ESA would be conducted in accordance with ASTM E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and included the following specific elements:

- Agency records review;
- Historical records review;
- Interviews with Subject Property user representatives and landowner;
- Subject Property site reconnaissance and observation of adjoining properties; and
- Report preparation.

The historical records review included a review of:

- Historical aerial photographs and topographic maps to evaluate historical uses of the Subject Property and surrounding properties; and
- Regulatory databases that could indicate current or historical environmental conditions.

The site reconnaissance included a visual assessment of the Subject Property with the objective of obtaining information indicating the presence of a REC by identifying existing and past releases or a material threat of releases of hazardous substances or petroleum products (or evidence of such) at the Subject Property. The site reconnaissance focused on, but was not limited to, the following items:

1. Indications of spills or releases;
2. Evidence of on-site disposal practices;
3. Observation of chemical, solid waste, and other environmental management practices;
4. Presence of, and current or past usage of, underground storage tanks (USTs) and aboveground storage tanks (ASTs);
5. Identification of adjacent land uses;
6. Identification of physiographic features;
7. Observation of water, wastewater, or waste treatment;
8. Evidence of standing surface water;
9. Observation of sources of drinking water;
10. Visual indications of equipment that may contain PCBs, if applicable; and
11. Evidence of potential sources of contamination or other environmental concerns.

1.3 Significant Assumptions

ARCADIS assumes that the information sources used for this assessment provided complete and accurate information. Evaluations presented in this Phase I ESA Report are based exclusively on information provided by the Client; available public records; interviews with landowners and persons familiar with the Subject Property or adjacent properties; and observations made during the site reconnaissance. ARCADIS assumes that the information provided by the Client, the regulatory database provider, and the regulatory agencies is correct, true, and reliable. No invasive field activities were conducted and no laboratory analyses were performed during this phase of the investigation.

The Client provided the boundaries of the Subject Property for this assessment and ARCADIS accepted these as true representations of the Subject Property boundaries.

1.4 Limitations and Exceptions

The opinions and recommendations presented in this Report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this Report was originally prepared. This Report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information.

This Report is expressly for the sole and exclusive use of the parties for which this Report was originally prepared for its specified purpose. Only the parties for which this Report was originally prepared and/or other specifically named parties, may make use of and rely upon the information in this Report, in its entirety, for a period not to exceed 180 days in accordance with ASTM's “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” ASTM Designation E 1527-13 dated November 1, 2013, and/or 40 CFR Part 312 “Standards and Practices for All Appropriate Inquiries: Final Rule” which became effective November 1, 2006. After 180 days, and prior to using the information contained herein, the Report should be updated in accordance with ASTM standards and federal regulations. Reuse of this Report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties without proper authorization, shall be at the user’s sole risk.

The findings presented in this Report apply solely to site conditions existing at the time when ARCADIS' assessment was performed (July 28, 2015). It must be recognized, however, that a Phase I ESA is conducted for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the Site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in Phase I ESA conclusions cannot reasonably be achieved.

It is understood that the services performed and any professional judgments expressed by ARCADIS in the report are based upon the limits of the investigation as described above. It is understood that ARCADIS has relied upon the accuracy of documents, oral information, and other material and information provided by Client and others, and ARCADIS assumes no liability for the accuracy of such data. Similarly, past and present activities on the Site indicating the potential for the existence of environmental concerns may not be discovered by ARCADIS' inquiries. ARCADIS can offer no assurances and assumes no responsibility for Site conditions or Site activities that are outside the scope of the services as described above, or for changes to Site conditions or regulatory requirements which may apply after completion of the services by ARCADIS. It is understood that such changes can lead to liability in connection with the Site which will not be identified in this Report. ARCADIS reviewed the information obtained in connection with the performance of the services as described above, in keeping with existing applicable environmental consulting standards and enforcement practices, but cannot predict what actions any given agency may take or what standards and practices may apply in the future.

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

1.5 Special Terms and Conditions

The scope of work for this Phase I ESA was presented in ARCADIS' *Proposal to Complete a Phase I Environmental Site Assessment for Little Bear 1 & 2 Solar Project Located in Fresno County, California* dated June 29, 2015.

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of PCBs or the assessment of natural hazards such as naturally occurring asbestos, radon gas, or methane gas, assessment of the potential presence of

radionuclides, or assessment of non-chemical hazards such as the potential for damage from earthquakes or floods. This Phase I ESA also did not include an assessment of the environmental compliance status of the Site or a health-based risk assessment.

1.6 User Reliance

This Report is expressly for the sole and exclusive use of First Solar Development, LLC and its parents and subsidiaries. Only the Permitted Users may rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with ASTM's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-13 dated November 1, 2013, and/or 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries: Final Rule" (which became effective November 1, 2006), provided that the Permitted Users may disclose this report to their counsel and consultants in connection with its review and evaluation of the Report. After 180 days, and prior to using the information contained herein, the report should be updated in accordance with ASTM standards and federal regulations. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties without proper authorization, shall be at the user's sole risk.

1.7 Qualifications

A summary of the ARCADIS personnel who worked on this project follows:

- Ms. Janet Holtz is a Principal Environmental Scientist and has over 20 years of experience in conducting ASTM-compliant Phase I ESAs. Her work experience includes evaluating potential environmental property impacts from historical onsite and offsite operations and current operations. Ms. Holtz also has extensive experience in evaluation a facility's regulatory compliance, permitting, and in conducting Phase II subsurface investigations.

2. Subject Property Description

2.1 Property Location

The Subject Property is not identified with a physical address. The Subject Property is located adjacent to and south of W. California Avenue between San Bernardino Avenue to the west and S. Ohio Avenue to the east in unincorporated Fresno County, California. San Bernardino Avenue and S. Ohio Avenue are unpaved roads. The Site is located approximately 2.3 miles southwest of Mendota, California. The Subject Property is accessed from State Highway 33 located 1.0 mile east of the Subject Property. Refer to **Figure 1**, Site Location Map, for the location of the Site.

The Site is identified by the Fresno County Assessor's Office as Assessor Parcel Numbers 019-110-04st and 019-110-05st and is located in Section 14, Township 14S, and Range 14E.

2.2 Physical Site Characteristics

The Subject Property is rectangular in shape and is relatively flat. The Site terrain consists of exposed surface soil on the western side and weeds and grasses on the eastern side. Photographs of the Subject Property are included in **Appendix A.**

2.3 Site Vicinity General Characteristics

The surrounding properties are comprised of a solar farm, agricultural land and vacant land **(Figure 2)**.

2.4 Current Use of the Subject Property

The Subject Property is currently unused.

2.5 Current Uses of the Adjoining Properties

The greater surrounding area is mainly comprised of agricultural land.

Properties adjacent to the Subject Property include the following:

- North: W. California Avenue followed by the First Solar – North Star solar farm located at 35200 W. California Avenue.

- East: S. Ohio Avenue followed by vacant land and abandoned farm structures and equipment.
- South: An unpaved access road followed by vacant land.
- West: San Bernardino Avenue followed by agricultural land (pistachio trees).

Current activities at the adjacent properties do not appear to be of environmental concern to the Site based on visual observations.

3. User Provided Information

On behalf of the Users of this Report, Ms. Lien Dinh with First Solar Development, LLC, completed an ASTM-standard User Questionnaire. In addition, Mr. Russ Freeman, representative of the Subject Property owner, Westlands Water District, completed an ASTM-standard Owner Questionnaire. The contents of the answered questionnaires are incorporated below. See **Appendix B** for copies of the questionnaires.

3.1 Title Records

Ms. Dinh provided ARCADIS with portions of chain-of-title (COT) documents recorded for the Subject Property. The earliest document was dated 1945 and indicates a portion of the Site was owned by private individuals. Two documents dated 1975 are contracts and grant of easements for a portion of the Subject Property between private individuals and Westlands Water District. A document dated 2004 is a drainage easement for the Site between private individuals and Westlands Water District. The final document is dated 2006 and is a Declaration of Restrictive Covenant (Non-irrigation Covenant) for numerous parcels and acres of land, including the Subject Property, that are owned by Westlands Water District. The document states that the Restrictive Covenant "shall run with the Subject Lands, shall prohibit irrigation of the Subject Lands, and shall be binding upon Owner." Information included in the portions of COT documents provided does not represent an environmental concern for the Subject Property. ARCADIS cannot provide an opinion on easements, covenants and restrictions for the Site regarding water issues as it is beyond the scope of a Phase I ESA. See **Appendix B** for copies of the COT documents.

3.2 Environmental Liens and Activity Use Limitations

No agreements with any third parties or regulatory agencies with jurisdiction over the Subject Property and concerning environmental commitments were identified by the property owners nor were any discovered by ARCADIS during the Phase I ESA site reconnaissance visit, telephone interviews, or record review activities.

Ms. Dinh stated that she is not aware of any environmental liens, or any activity and land use limitations against the Subject Property that were filed with any official governing agency. Mr. Freeman stated that there are liens associated with the Site but on further questioning he stated that he was referring to easements for pipelines for both water distribution and drainage collection. He stated that there are also recordings of a general drainage easement and a non-irrigation covenant. The easements and covenants do not represent an environmental concern for the Subject Property. However, if any of the water pipelines contain Transite™ asbestos, caution needs to be exercised if they are removed or

relocated. Any asbestos-containing pipelines removed from the Site will require special handling and disposal under manifest.

3.3 Specialized Knowledge

Ms. Dinh stated she did not have any specialized knowledge of any material information, consent orders or other environmental enforcement actions against the Subject Property, or any specialized knowledge or experience related to the site or nearby properties.

Ms. Dinh and Mr. Freeman stated that they were not aware of any spills or chemical releases that have taken place at the Subject Property. Mr. Freeman provided a prior Phase I ESA report and Addendum Report prepared for the Site in 2003 and 2004, respectively, which constitutes his specialized knowledge of the Site. The prior reports are discussed in Section 5 below.

3.4 Commonly Known or Reasonably Ascertainable Information

Ms. Dinh and Mr. Freeman stated that they were not aware of any commonly known or reasonably ascertainable information that would help the Environmental Professional identify conditions indicative of a release or threatened release.

3.5 Valuation Reduction for Environmental Issues

Ms. Dinh and Mr. Freeman stated there is no valuation reduction of the Subject Property resulting from any current or historical environmental issues.

3.6 Owner, Property Manager, and Occupant Information

The Subject Property is owned and managed by Westlands Water District. According to Mr. Freeman, Westlands Water District acquired the Subject Property circa 2002/2003. The Subject Property is not occupied.

3.7 Reason for Performing Phase I ESA

The Client requested a Phase I ESA for due diligence purposes. The ASTM E 1527-13 standard practice defines good commercial and customary practices for conducting a Phase I ESA with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), in addition to petroleum. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability

("appropriate inquiry into previous ownership and uses of the property consistent with good commercial and customary practice").

4. Records Review

The following records review is limited in scope to databases and resources that are readily available. The records review did not include an audit of the Subject Property's permits, if any. The review focused on readily available historical and regulatory database information to obtain a historical perspective of the Subject Property, the regulatory status of the Subject Property, and the regulatory status of the neighboring properties. Historical topographical maps and aerial photographs have been reviewed and a summary of findings are included in this section of the report.

4.1 Standard Environmental Record Sources

As part of this Phase I ESA, a review of applicable federal and state environmental regulatory databases was conducted. This entailed a review of Subject Property listings available through the appropriate agency databases. The database search was obtained through EDR. An EDR Radius Map™ with GeoCheck® Report (EDR Report) was requested for the standard one-mile radius from the approximate center of the Site. ARCADIS reviewed all listings; however, those determined to be beyond a one-mile radius were typically excluded as an environmental concern to the Site based on distance. A copy of the complete regulatory database report obtained from EDR is provided in **Appendix C**. The following is a description of the review of regulatory records and information provided as it pertains to the Subject Property.

Regulatory Agency Databases/Lists Reviewed

Search Radius	Agency	Database	Type of Records in Database
1 mile	U.S. EPA	NPL	Sites designated for Superfund cleanup by the U.S. EPA
	U.S. EPA	CORRACTS	RCRA facilities undergoing "corrective actions"
	DHS	BEP	Specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds
	DTSC	ENVIROSTOR	Sites that have known contamination or sites for which there may be a reason to investigate
0.5 mile	U.S. EPA	CERCLIS	Sites under review by the U.S. EPA
	RWQCB	LUST	Sites with LUSTs
	IWMB	SWLF/SWAT	Sites permitted as solid waste landfills, incinerators or transfer stations
	SWRCB	WMUDS/SWAT	Tracking and inventory of waste management units
	U.S. EPA	CERCLIS-NFRAP	CERCLIS sites with no further remedial actions planned.
Site or Adjacent Properties	U.S. EPA	RCRA Generator	Sites that generate large or small quantities of hazardous waste
	U.S. EPA and OES	ERNS	Sites with reported accidental releases of oil and hazardous substances
	SWRCB	UST	Sites with registered USTs

Notes:
BEP=Bond Expenditure Plan
CERCLIS=Comprehensive Environmental Response, Compensation and Liability Information System
ERNS= Emergency Response Notification System
LUST=Leaking Underground Storage Tank
NPL=National Priorities List
RCRA=Resource Conservation and Recovery Act
SWAT=Solid Waste Assessment Test
SWRCB=State Water Resources Control Board
WMUDS=Waste Management Unit Database
CORRACTS=Corrective Action Report
DHS=Department of Health Services
WMB=Integrated Waste Management Board
NFRAP=No Further Remedial Action Planned
OES=Office of Emergency Services
RWQCB=Regional Water Quality Control Board
SWLF=Solid Waste Landfills
U.S. EPA=U.S. Environmental Protection Agency

4.1.1 Summary of Significance of Regulatory Database Findings

The location of the Subject Property is not listed in any of the databases searched nor are any off-site properties listed within the ASTM-search radius. Therefore, the concern of environmental impairment or a vapor encroachment condition to the Subject Property from off-site sources is low.

4.2 Agency Review

According to information obtained from the websites maintained by the Regional Water Quality Control Board and the Department of Toxic Substances Control, the Subject Property location is not listed in any database that provide information on properties with hazardous materials spills, corrective actions, USTs, or leaking USTs (LUSTs).

ARCADIS also submitted a records request for the Subject Property APNs to the Fresno County Environmental Health Division (FCEHD). According to Ms. Bonnie Barber with FCEHD, records are filed by street address; however, occasionally records can be located by APN. A response from FCEHD indicated that there are no records for the Subject Property although without a street address it cannot entirely be ruled out that records do not exist. The FCEHD did send ARCADIS records for two water wells installed in 1987 approximately one-mile north-northwest of the Site. The wells were identified as observation wells and drilled to depths of 88 and 100 feet bgs. Depth to groundwater was not reported in the records.

ARCADIS did not request records for the Subject Property from the Fresno County Department of Agriculture (FCDA) because, according to Ms. Angel Gibson, Program Technician, the reporting databases are only kept active for five years. Any pesticides used onsite within the past five years would have a short half-life and would not be expected to represent an environmental concern to the Subject Property. Older persistent pesticides may have been applied to the Subject Property in the past. However, ARCADIS does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition.

4.3 Physical Setting Sources

4.3.1 Topography

U.S. Geological Survey (USGS) topographic maps were reviewed to determine the geographical features at and around the Subject Property (**Figure 1**). The maps that were reviewed are identified in Section 4.6.3.

The topography at the Subject Property is fairly flat. The land surface elevations within the Subject Property average 203 feet above mean sea level.

4.3.2 Geology and Hydrogeology

The Subject Property is located in the south-central portion of the San Joaquin Valley. The San Joaquin Valley is a gently sloping, nearly unbroken alluvial plain bounded on the east by the Sierra Nevada Mountains and on the west by the Coast Ranges. According to the environmental database report prepared by EDR, the sediments beneath the Site have been identified as part of the Quaternary Series of the Quaternary System of the Cenozoic Era. According to the United States Department of Agriculture Soil Conservation Service, the main soil component in the general area of the Subject Property is Calflax, which has a surface soil texture of clay loam, slow infiltration rates and is moderately well drained.

No specific groundwater data was found for the Site. According to information provided in a prior report for a tract of land that included the Subject Property, perched groundwater may be present beneath the Subject Property as shallow as 5 - 20 feet bgs. The direction of groundwater flow at the Subject Property can be expected to vary locally, but is generally believed to follow the general slope of the surface topography to the east, northeast.

4.3.3 Watershed

No watersheds were identified on the Subject Property.

4.3.4 Wetlands

The U.S. Fish and Wildlife Service, National Wetland Inventory wetlands would typically be depicted in the Radius Map™ Report with GeoCheck®; however, none were identified within the Subject Property.

4.3.5 Floodplains

Flood zone information from the EDR Radius Map™ Report with GeoCheck® indicates that the Subject Property is not located within a designated flood zone.

4.3.6 Oil and Gas Production Facilities

The EDR Radius Map™ Report with GeoCheck® provides oil and gas well information. The EDR report indicates that no oil or gas wells have been advanced within the boundaries of the Subject Property or within the one-mile search radius from the property perimeter. This information was confirmed on the Division of Oil, Gas & Geothermal Resources on-line *Well Finder* database.

4.4 Historical Use Information on the Subject Property and Adjoining Properties

4.4.1 Fire Insurance Maps

Sanborn™ Fire Insurance Maps are not included in this assessment because the project area is rural and such documents are unlikely to be available.

4.4.2 City Directories

City directories were not requested for the Subject Property since the property is located in a rural area of California and is not addressed.

4.4.3 Historical Topographic Maps

Available historical topographic maps obtained from EDR were reviewed as part of this Phase I ESA, and are included in **Appendix D**. The following topographic maps were obtained and reviewed for the Subject Property and adjacent properties:

- Tufts Ranch – Coit Ranch, California 1922, 7.5 Minute Series
- Tranquility, California, 1946, 15 Minute Series
- Tufts Ranch, California, 1947, 7.5 Minute Series
- Coit Ranch, California, 1956, 7.5 Minute Series
- Coit Ranch, California, 1971, 7.5 Minute Series
- Coit Ranch, California, 1984, 7.5 Minute Series

The features of the Subject Property observed from the topographic maps are described below. Maps are addressed in chronological order. Unless otherwise noted, progressive descriptions indicate that no changes were observed from the previous year's features other than the new items mentioned.

The following features were observed on the topographic maps reviewed for the Subject Property and adjacent properties:

1922 Topographic Map: No features are depicted on the Subject Property or within the site vicinity.

1946 and 1947 Topographic Maps: No features are depicted on the Subject Property. A grid of streets is now depicted in the surrounding area including the streets adjacent to the Subject Property.

1956 Topographic Map: A water well and a small reservoir are depicted in the southern central portion of the Subject Property. Small plots of agriculture are depicted farther west-southwest of the Subject Property.

1971 and 1984 Topographic Maps: No changes to the Subject Property or surrounding area are depicted on these topographic maps with the exception that the reservoir is no longer depicted on the Subject Property.

4.4.4 Historical Aerial Photographs

Aerial photographs available from EDR for the Subject Property and adjacent properties were reviewed and are provided in **Appendix D**. The aerial photographs reviewed by ARCADIS are from the following dates: 1937, 1946, 1950, 1955, 1965, 1971, 1981, 1987, 1998, 2005, 2006, 2009, 2010, and 2012. A general description of notable features observed on site in each aerial photograph (using current names and identifiers) follows.

1937 EDR Aerial Photograph: The Subject Property and adjacent properties appear to be agricultural land.

1946 EDR Aerial Photograph: The Subject Property and adjacent properties appear to be agricultural land.

1950 EDR Aerial Photograph: The Subject Property and adjacent properties appear to be agricultural land or fallow land.

1955 EDR Aerial Photograph: The Subject Property appears to be more intensively farmed and comprised of different crops. Adjacent properties are agricultural.

1965 EDR Aerial Photograph: Land on the west side of the Subject Property appears disturbed, and land on the east side appears agricultural. Adjacent properties are agricultural.

1971 EDR Aerial Photograph: The entire Subject Property appears agricultural (row crops). A reservoir is visible in the central portion of the Site along the southern boundary. Unpaved access roads are visible on the Subject Property.

1981 EDR Aerial Photograph: The reservoir at the southern end of the Subject Property is no longer visible.

1987 EDR Aerial Photograph: The Subject Property appears to be farmed with a single crop or is fallow land. A single unpaved road running north/south bisects the site in half. No other features are visible onsite. The adjacent properties remain agricultural.

1998 EDR Aerial Photograph: The Subject Property appears to be in row crop production. No other features are visible onsite.

2005 EDR Aerial Photograph: No significant changes are observed on the Subject Property or on adjacent properties.

2006 - 2010 EDR Aerial Photographs: The Subject Property is fallow land or planted in row crops on these photographs. No features are depicted on the Subject Property or on adjacent properties.

2012 EDR Aerial Photograph: The Subject Property appears to no longer be in agricultural use and appears as undeveloped land with some ground disturbance. No features are shown on adjacent properties.

4.4.5 Conclusions from Historical Use Information on the Subject Property

Review of historical topographic maps and aerial photographs that cover the Subject Property indicated that the Subject Property has been agricultural or fallow land since at least the 1930s. No RECs were identified from the review of historical data, topographic maps, and aerial photographs of the Subject Property.

4.4.6 Conclusions from Historical Use Information on Adjacent Properties to the Subject Property

The topographic maps and historical aerial photographs indicate that the surrounding area has been agricultural land since at least the 1930s. No RECs were identified from the review of historical data, topographic maps, and aerial photographs in connection with lands adjacent to the Subject Property.

5. Other Environmental Reports

ARCADIS was provided with previous environmental reports for the Subject Property from the site owner. A summary of the reports is presented here:

BSK. 2003. *Limited Phase I ESA Report, 31,500 Acres of Farmland within the Westlands Water District, Fresno County, CA.* August 19.

The BSK report was prepared for approximately 33,400 acres of land (discrepancy with the title of the report) within the Westlands Water District (Westlands) that includes the Subject Property. At that time, the properties consisted of cropland, fallow land, farm land removed from production, farm roads, farming operation yards, and farm labor residences. BSK stated that agricultural development of the site properties began in the early 1940s and by the late 1980s, were largely developed in their current state. Subsurface drainage systems were installed in the 1970s and by the mid-1980s, were largely out of use. However, the report stated portions of the properties are no longer farmed now due to rising perched water levels.

Based on observed conditions during the site reconnaissance, BSK stated that the principal crops grown were cotton, tomatoes, grapes, alfalfa, onions, and garlic. No orchards or rice fields were present. Several farming operation yards, numerous water wells, abandoned subsurface drainage collection system pumps and associated reservoirs, and water storage reservoirs were observed. Irrigation ditches were observed for chemical impact. The report stated that no conditions appearing to be associated with the introduction of fuels or chemicals were observed. In addition, the report stated there was no indication of waste piles or surface impoundments within the farming operation areas. There was no specific mention of the Subject Property in the report.

Requests to local regulatory agencies and review of federal and states databases did not identify any records of concern for the site. Several off-site properties were identified with the possible potential to impact the site; however, none appear to be located in proximity to the current Subject Property. BSK did not provide any conclusions or recommendations in their report.

BSK. 2004. *Addendum to Limited Phase I ESA Report, 22,627 Acres of Farmland, Phase 3 and 4 Properties within the Westlands Water District, Fresno County, CA*. August 18.

The addendum report also includes the Subject Property and was prepared to update site conditions as new parcels were transferred to Westlands. Although new properties were observed by BSK that handled large quantities of fuels and/or chemicals, it appears that there were no changes to properties that were previously cropland or fallow land, which includes the Subject Property. BSK provided specific recommendations for several properties; however, not the Subject Property or properties adjacent to the Subject Property. BSK also provided general conclusions for all the properties which included the following, “While BSK found no evidence of RECs, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.” BSK also stated that oil-lubricated irrigation supply wells can be a source of impact to soil and groundwater through loss of oil, and that further investigation would be required to determine if releases occurred that warranted further action. At this time it does not appear that there are present-day irrigation supply wells on the Subject Property.

6. Site Reconnaissance

6.1 Methodologies and Limiting Conditions

Ms. Janet Holtz of ARCADIS conducted a site reconnaissance of the Subject Property on July 28, 2015. Photographs from the site reconnaissance are included as **Appendix A**. Ms. Holtz is an Environmental Professional, qualified to conduct Phase I ESA work. ARCADIS was not accompanied during site reconnaissance activities.

The Subject Property boundaries were based on information provided by First Solar, Inc. During the site reconnaissance, the weather was sunny with an average temperature of 85 degrees Fahrenheit. Visibility was clear to at least one mile.

The Phase I ESA investigation included a detailed review of aerial photography and historical topographical maps prior to the site reconnaissance to identify items to be observed during the site reconnaissance. ARCADIS reviewed the aerial photographs to identify features that were unknown in the photographs, or warranted further investigation based on human construction or usage, and visited each of these areas. The Subject Property and adjacent lands were inspected via vehicle on unpaved access roads and via foot in readily accessible areas.

The purpose of the site reconnaissance was to visually obtain information that would indicate the potential presence of RECs. This included indications of spills, chemical or solid-waste disposal practices, and the observance of ASTs, USTs, and other environmental concerns identified in the ASTM E 1527-13 standard practice. The site reconnaissance did not include sampling of water, soil, air, or materials at the Subject Property.

6.2 General Site Setting

The Subject Property is currently vacant land; no buildings are located onsite.

6.3 Observations

The following sections summarize observations and findings made during the site reconnaissance.

6.3.1 General Observations of Operations

The Subject Property consists of two square-shaped parcels of equal size (156.28 acres each) that are contiguous. The west parcel is identified as Little Bear Solar 1 and the east parcel is identified as Little Bear Solar 2. Little Bear Solar 1 consists of tilled soil with no vegetation, and Little Bear Solar 2 is not tilled and is covered by weeds and grasses. No wells were observed on either parcel although irrigation features are present on both parcels, most notably along the perimeters. The two parcels are divided by an unpaved, unnamed road running north/south. Stakes were observed on Little Bear Solar 1 and reportedly are being installed for future solar development of the site. Two small soil piles were observed on Little Bear Solar 2. Electric and phone lines are present along the perimeter of the Subject Property.

6.3.2 Solid and Hazardous Waste

No hazardous waste or solid wastes were observed by ARCADIS during the site visit.

6.3.3 Aboveground Storage Tanks

No evidence of ASTs were observed on the Subject Property by ARCADIS.

6.3.4 Underground Storage Tanks

No evidence of any USTs (fill ports, vent pipes, dispensers, or concrete pads) was observed on the Subject Property by ARCADIS, and none were reported to exist by the landowner or Client personnel.

6.3.5 Chemical Storage

No chemicals or evidence of chemical storage was observed on the Subject Property by ARCADIS. Hazardous waste is not generated on the Subject Property.

6.3.6 Utilities

The Subject Property is serviced by local utilities. Pacific Gas & Electric power lines were observed in proximity to the site. Water is supplied by Westlands Water District. Reportedly, a 14-inch water main runs along the southern end of the Subject Property in an east/west direction, although it may turn and run either north or south near the center of the property.

6.3.7 Air Emissions

No sources of industrial or manufacturing air emissions were observed by ARCADIS during the site reconnaissance.

6.3.8 PCBs

No electrical or hydraulic equipment known to contain PCBs or likely to contain PCBs was identified during this assessment.

6.3.9 Wells

During the site visit, ARCADIS' representative looked for wells, including dry wells, irrigation wells, injection wells, monitoring wells, abandoned wells, or other wells. No wells were observed onsite or reported to be onsite. It does not appear that the water well depicted onsite on historical topographic maps is currently onsite. However, it was likely cut and capped below surface grade and may still exist below ground.

6.3.10 Other Conditions Observed during Site Reconnaissance

In addition to the observations discussed in previous sections, none of the following items of potential concern were observed by ARCADIS on the Subject Property during the site reconnaissance:

- Industrial or manufacturing activities or facilities;
- Leachate or seeps;
- Drains or sumps;
- Evidence of chemical spills or releases;
- Evidence of monitor wells or remediation equipment;
- Evidence of surface water contamination;
- Pools of liquids; or
- Discharges, leachate, migration, or runoff of potential contaminants from offsite sources.

6.3.11 Conditions Observed on Adjacent Properties During Site Reconnaissance

In addition to the Subject Property observations discussed above, none of the observed activities on adjacent properties were identified as RECs.

7. Interviews

7.1 Interview with Current Landowner

The Subject Property is comprised of land contracted with an option to purchase by First Solar Development, LLC. from a single landowner entity, Westlands Water District. ARCADIS contacted and interviewed the landowner representative, Mr. Russ Freeman, to obtain information on the Subject Property. Mr. Freeman stated that the Subject Property has always been agricultural land and he was not aware of any environmental concerns at the Subject Property. ARCADIS also interviewed an employee of Westlands Water District that was passing by the Subject Property during the site reconnaissance. The employee stated that the Subject Property was used for the cultivation of tomatoes, watermelon and cantaloupes up until approximately nine years ago. At that time, due to water restrictions, the Subject Property became fallow. Little Bear Solar 1 is kept free of vegetation either by tilling the soil or allowing sheep to graze on it and burning vegetation at the perimeter if needed. Little Bear Solar 2 has been allowed to return to a “natural” state.

No hazardous chemicals or petroleum products were reported during the interview to be used or stored on the Subject Property. No issues were identified to indicate the presence of RECs through the conducted interviews.

8. Phase I ESA Findings, Opinions and Conclusions

The following sections present ARCADIS's Phase I ESA findings, opinions and conclusions.

8.1 Summary Information – Non RECs

- The Subject Property includes approximately 312.56 acres of former agricultural land that will be the site of the proposed Little Bear 1 and 2 Solar Project. Two parcels have been contracted with an option to purchase where solar panels and other associated infrastructure are planned to be located.
- Based on the historical research and interviews completed for this Phase I ESA, the Subject Property has historically been agricultural land. Older persistent pesticides may have been applied to the Subject Property in the past. However, ARCADIS does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition. However, if significant disturbance to surface and near-surface soil will occur during future development activities, soil sampling and analysis for pesticides may be warranted to be protective of onsite worker health.
- The limited existing infrastructure on the Subject Property includes a water main and former irrigation features and pipes. There are no buildings located on the Subject Property. If future development activities involve removing former irrigation and drainage piping, the pipes should be inspected for Transite™ asbestos prior to removal. If the pipes contain Transite™ asbestos, they will require special handling and disposal as hazardous waste.

8.2 REC, HREC and CREC Findings

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Subject Property. Any exceptions to, or deviations from this practice, are described in Section 1 of this Report. This assessment has revealed no evidence of RECs, HRECs or CRECs at the Subject Property, as defined under ASTM Practice E 1527-13.

8.1 *De Minimis* Conditions

No *de minimis* conditions were identified for the Subject Property.

9. Conclusions and Opinions

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Subject Property.

Based on a review of the information obtained from interviews of the property owner representatives, landowner, and other people knowledgeable of the Subject Property, historical topographical maps and aerial photographs, environmental regulatory and other databases, and a site reconnaissance, no RECs, HRECs or CRECs were identified associated with the Subject Property. No further investigation is recommended at this time.

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs, HRECs, or CRECs in connection with a property. This evaluation was intended to reduce, but not eliminate uncertainty in RECs, HRECs and CRECs.

10. Deviations and Data Gaps

The ASTM practice requires environmental professionals to identify data gaps following reasonable inquiry of First Solar Development, LLC. personnel and ARCADIS' search for "reasonably ascertainable" resources. ASTM E 1527-13 defines a data gap as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information". ARCADIS has performed this Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 and 40 CFR Part 312. Any additions to, or deviations from, this practice are described in Section 1.

The interval between aerial photographs and topographic maps exceeds 5 years. No other limiting factors were documented during this Phase I ESA. These limiting factors represent data gaps. Based on information obtained by ARCADIS during our review of historical sources, and observation of site conditions during our visit, additional photographs and maps would not appear to be significant and we do not anticipate that the information that could be obtained from these sources would change the conclusions of this report. Pertinent data, if any, obtained by the Client following the issuance of this report should be reviewed by an environmental professional and an addendum prepared presenting an evaluation of the data and any changes to the conclusions of this report, as warranted by the data.

11. Additional Services

No additional services were requested or performed.

12. References

ASTM E 1527-13. 2013. "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"* ASTM International, West Conshohocken, PA.

BSK. 2003. *Limited Phase I ESA Report, 31,500 Acres of Farmland within the Westlands Water District, Fresno County, CA*. August 19.

BSK. 2004. *Addendum to Limited Phase I ESA Report, 22,627 Acres of Farmland, Phase 3 and 4 Properties within the Westlands Water District, Fresno County, CA*. August 18.

EDR Radius Map™ Report with GeoCheck®. 2015. Little Bear 1 and 2. Inquiry #4352240.2s. July 13.

_____. 2015. EDR - Historical Topographic Map Report. July 13.

_____. 2015. EDR - Aerial Photo Package. July 16.

Signature of Environmental Professional

The environmental assessment described herein was conducted by the undersigned employee of ARCADIS. ARCADIS' assessment consisted solely of the activities described in the Introduction of this Report, and in accordance with the ASTM E 1527-13 guidelines for Phase I Environmental Site Assessments signed prior to initiation of the assessment, as applicable.

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 Code of Federal Regulations (CFR) 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. *

Report Prepared By:

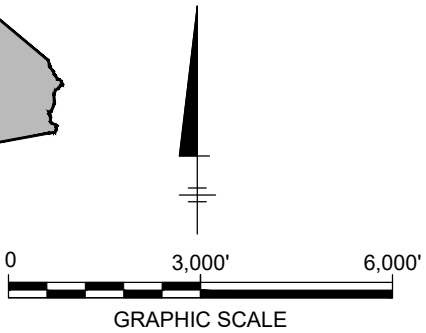
July 31, 2015

Janet Holtz — Date
Principal Scientist

*A professional geologist's or environmental professional's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

FIGURES

MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"



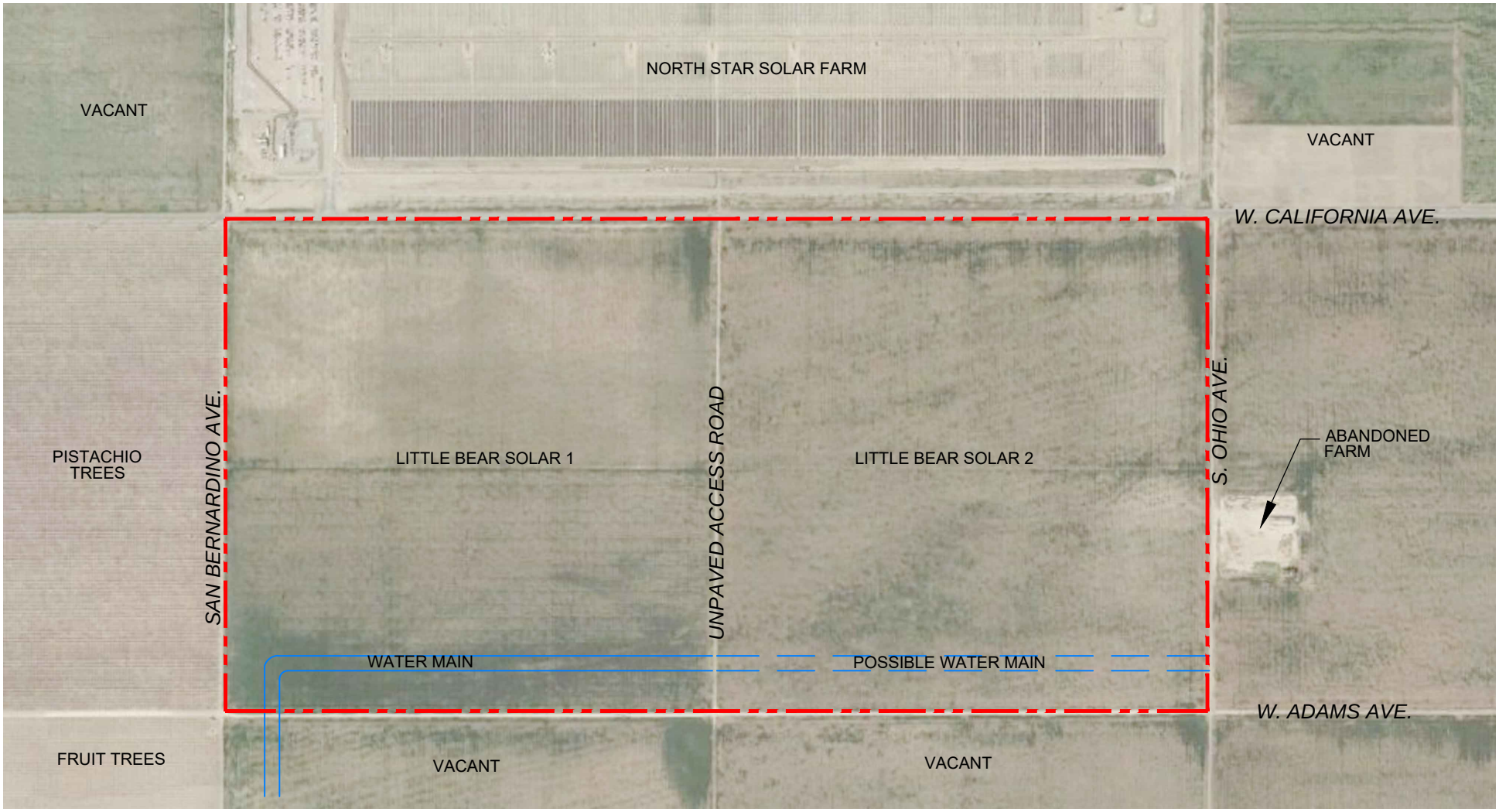
FIRST SOLAR
LITTLE BEAR 1 AND 2
FRESNO COUNTY, CALIFORNIA
PHASE I ESA

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: IRVINE DIV/GROUP: ENVCAD DB: E. MURESAN PM: J. HOLTZ
P:\Irvine\ENVCAD\ACT\CO002047\0001\CO002047.0001 Site.dwg LAYOUT: 1 SAVED: 7/21/2015 11:01 AM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 7/21/2015 11:01 AM BY: ELENA MURESAN



LEGEND:

PROPERTY BOUNDARY

0 800 FEET

MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"

FIRST SOLAR
LITTLE BEAR 1 AND 2
FRESNO COUNTY, CALIFORNIA
PHASE I ESA

SITE PLAN

ARCADIS

FIGURE
2

Appendix A

Site Reconnaissance Photographs

Photograph #1

Description of Photograph:
View of northwest corner of Site looking east along W. California Avenue.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #2

Description of Photograph:
View of west end of Site looking south along San Bernardino Avenue. Pistachio trees are adjacent to the west.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #3

Description of Photograph:
View of southwest corner of Site looking north. Note abandoned irrigation equipment. The burned area is vegetation control.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #4

Description of Photograph:
View of southwest corner of Site looking east along the Site's southern boundary.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #5

Description of Photograph:
View of Little Bear Solar 1 looking north; this portion of the Site is tilled and un-vegetated.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #6

Description of Photograph:
View of unnamed access road that separates Little Bear Solar 1 and 2.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #7

Description of Photograph:
Vegetation growing on Little Bear Solar 2.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #8

Description of Photograph:
Abandoned irrigation features at north end of Site, central portion.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #9

Description of Photograph:
View of stakes that have been installed on Little Bear Solar 1.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #10

Description of Photograph:
Close-up of typical abandoned irrigation pipe observed onsite.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #11

Description of Photograph:
View of southeast corner of Site looking north along S. Ohio Avenue.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #12

Description of Photograph:
View of entire site looking north, northwest.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #13

Description of Photograph:
View of abandoned farm structures east of the Site.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #14

Description of Photograph:
Close-up of abandoned farm building and equipment adjacent to the east of the Site.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #15

Description of Photograph:
Vacant land south of the Site.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #16

Description of Photograph:
North Star solar farm located north of the Site.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #17

Description of Photograph:
Transmission station north of the Site.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Photograph #18

Description of Photograph:
Solar panel arrays north of the Site.

Site Location:
Little Bear Solar 1 & 2
Fresno County, CA

Photograph Taken By:
Janet Holtz

Date of Photograph:
July 28, 2015

Appendix B

ASTM User and Owner Questionnaires

URGENT and CONFIDENTIAL

USER QUESTIONNAIRE

AS REQUIRED by ASTM Standard E1527-13 or E 2247-08

To:	Tara Corbett	From:	Lien Dinh
At:		At:	First Solar Development, LLC
Fax:		Pages:	2
Phone:		Date:	July 13. 2015

Site Name: Little Bear 1 and 2

Site Address: 2 parcels approximately 156.28 acres each, located at the intersection of California Avenue and San Bernardino and Ohio Avenues in Fresno County, CA

The person who will use the Phase I ESA should provide the following information. Please fill in this form to the best of your ability, explaining any Yes answers in the space provided or on a separate sheet of paper. Without response to the User Questionnaire, our report would have to note that the Phase I ESA is incomplete, and your Landowner Liability Protections could be at risk. Please provide response to the User Questionnaire prior to the site reconnaissance.

1. **Environmental Cleanup Liens.** ASTM requires the User to check for environmental liens and Activity and Use Limitations (AULs) that may be filed or recorded against the subject property under federal, tribal, state or local law or to include the review of environmental liens and AULs as an additional scope for the environmental professional. Such liens or limitations might be listed in the "exceptions to coverage" in the property's title insurance commitment or policy. Failure to check for these liens and limitations could put your Landowner Liability Protections at risk.

   Please indicate the person or entity responsible for review of environmental liens and activity and use limitations for this Phase I ESA. __Matthew Garamone

   Are you aware of any such liens against the subject property? ❑ Yes ☒ No

2. **Activity and Use Limitations (AULs).** These include engineering controls (e.g., slurry walls, caps) and land use restrictions or institutional controls (e.g., deed restrictions, covenants) that may be in place at the subject property or filed under federal, tribal, state or local law.

   Are you aware of any possible AULs involving the subject property? ❑ Yes ☒ No

3. **Specialized Knowledge.** This involves personal knowledge or experience related to the subject property or nearby properties. For example, if you are involved in the same line of business as the current or former occupants of the property or an adjoining property, you may know of any chemicals, oil, degreasers, gasoline, or other hazardous substances commonly used in that type of business.

   Do you have any specialized knowledge that might indicate the past or present use of such substances on the subject or nearby properties? ❑ Yes ☒ No

4. **Fair Market Value (FMV).** A purchase price significantly below FMV may indicate an environmental problem. Please note that this question does not require an appraisal of the property. If the price is significantly below FMV, the User should consider whether it might be because contamination may be present at the property.

   Is the purchase price significantly below fair market value? ❑ Yes ☒ No

5. **Obvious Indicators.** This involves past or present spills, stains, releases, cleanups, etc. on or near the site.

   Do you know of any obvious indicators of possible contamination on or near the site? ❑ Yes ☒ No

   Do you know of spills or other chemical releases that have taken place at the property? ❑ Yes ☒ No

   Do you know of any environmental cleanups that have taken place at the property? ❑ Yes ☒ No

6. **Litigation, Administrative Proceedings or Government Notices.**

   Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? ❑ Yes ☒ No

Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? ❑ Yes ☒ No

Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? ❑ Yes ☒ No

7. **Common Knowledge.** Please use a separate sheet if necessary.
   a. Describe the past uses of the property: Dry farmed agricultural land currently owned by Westlands Water District and rented out to a farming tenant.

   b. Describe any specific chemicals that may have been present at the property: _____

   c. Describe any other information that may help us identify possible contamination: _____

Additional Information: (Provide herein or indicate attachments)

Previous Phase I ESA performed by BSK was provided by Westlands Water District. This Phase I ESA covered land which includes the subject property has been provided.

Your Signature July13, 2015 **Date** **# of separate sheets attached**: 0

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

Project Name:
Little Bear 1 & 2, Fresno County, CA

Client/Client Contact Name:
First Solar; Lien Dinh

Interviewer:
Janet Holtz

Opening Statement:
ARCADIS is conducting an Environmental Site Assessment of the Little Bear 1 & 2, Fresno County, CA Project. I understand First Solar; Lien Dinh contacted you to let you know that ARCADIS would be conducting an interview and will be out on site in the near future as part of the Environmental Site Assessment.

Part of the requirement of an environmental site assessment is to learn about the uses and history of the property.

I have a few questions regarding your knowledge of the history, land use, and environmental condition of the property.

Please fill in the following information:
Landowner Name(s) : Westlands Water District
Phone Number(s): 559 224 1523

Fill in the call history below for each attempt to contact the landowner.

Attempt #	Date	Time	Comments
N/A - owner completed form and returned			

(Circle answers and add comments as needed)

Relationship to Site: ☐ Owner ☐ Occupant ☐ Purchaser ☒ Other: employee of owner

1. Legal description of the property (lot numbers/parcel numbers) or confirm with landowner their property location:

N 1/2 of Section 14, T14S, R14E M.D.B.&M

2. How long have you owned or been familiar with the property?

Since purchase; Circa 2002/2003

3. What is the historical use of the property, to your knowledge?

Dryland farming and sheep grazing

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

4. Have there ever been any underground storage tanks on the property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

None

5. Have there ever been any aboveground storage tanks on the property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

None since ownership

6. Are you aware of any releases, spills, or leaks of hazardous substances or petroleum products on the property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

None since ownership.

7. What chemicals are currently or have been historically used or stored on your property to your knowledge?

None since ownership.

8. Have there been historically, or there presently any large animal confinements on or adjacent to your property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

Occasional grazing of sheep.

9. Have any of the following documents been prepared for your property, and if so, can copies be provided to us?

- Environmental site assessment or compliance audit reports ☒ Yes ☐ No ☒ Copies Available

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

• Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)	☐ Yes	☒ No	☐ Copies Available

(Question 9 continued):

• Registrations for USTs or ASTs	☐ Yes	☒ No	☐ Copies Available
• Material safety data sheets (MSDS/SDS)	☐ Yes	☒ No	☐ Copies Available
• Community Right-to-Know Plan	☐ Yes	☒ No	☐ Copies Available
• Safety plans; preparedness and prevention plans; SPCC plans	☐ Yes	☒ No	☐ Copies Available
• Reports regarding hydrogeologic conditions on the Site or in the surrounding	☐ Yes	☒ No	☐ Copies Available
• Notices or other correspondence from any government agency relating to past or current violations	☐ Yes	☒ No	☐ Copies Available
• Hazardous waste generator notices or reports	☐ Yes	☒ No	☐ Copies Available
• Risk Assessments	☐ Yes	☒ No	☐ Copies Available
• Recorded Activity and Use Limitations (e.g. environmental liens, deed restrictions, asphalt cap)	☒ Yes	No	☒ Copies Available
• Other Permits/Documents	☐ Yes	☒ No	☐ Copies Available

Additional Comments of the above Document types:

10. Do you know of any environmental violations or clean-ups that have taken place at the

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

11. Are you aware of any current or historical dumps, landfilling, or use of fill material on your

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

12. Have you ever identified abandoned chemical containers, vehicle or industrial batteries, or machinery from unknown sources on your property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

13. Are you aware of any current or historical industrial activities such as oil drilling, gravel mining, strip mining or similar activities conducted on your property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

14. Does the Site's purchases or lease price reasonably reflect the fair market value of the property?

No ☐ Unknown ☐ N/A ☐ Yes ☒ (explain):

The price was negotiated w/ purchaser and is within a range that is supported by and reflective of the intended use.

If "No", do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contaimination known or believed to be present at the Site?

N/A

Landowner or Representative:

Signature: Ron Freeman **Date:** 7/20/15

Signature: _____ **Date:** _____

A. Christopher known to me to be the persons whose name_ are subscribed to the within instrument, and acknowledged that they executed the same.

WITNESS my hand and official seal.

(SEAL)

My commission expires April 22, 1947.

JAMES MATHEWS, Notary Public in and for the County of Fresno, State of California.

(ENDORSED) DEED OF TRUST and Assignment of Rent Luie M. Christopher and Effie A. Christopher, husband and wife Trustor To Corporation of America, Trustee For Bank of America National Trust and Savings Association Beneficiary. April 25, A. D. 1945. Recorded at request of Security Title Insurance & Guar. Co. at 9 A M Vol. 2248 Official Records, Pg. 221 et seq., Apr 26 1945 Fresno County, California.

38/4.60

16737-MU

I. E. FARLEY, County Recorder

By W. H. WATSON, Deputy Recorder

COMPARED BY

Compare

- - - - - 0 - - - - -

IN CONSIDERATION of Ten and no/100 Dollars Floyd A. Jury and Edna Genevieve Fleharty Do Hereby Grant to Jesse Durham, all that Real Property situate in the County of Fresno, State of California, described as follows:

The Northeast quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the United States Government Township Plats;

EXCEPTING therefrom an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, provided, however, that grantors shall pay to grantees or their successors in interest all damages to the surface of said property caused by the exercise of the rights herein reserved.

I.R.S. $ 4.40 CANCELLED EF

WITNESS our hands this 4th day of April, 1945.

EDNA GENEVIEVE FLEHARTY

FLOYD A. JURY

State of California,)

County of Fresno) ss.

On this 4th day of April, 1945, before me, G. R. Vignolo, a Notary Public in and for said County and State, personally appeared Floyd A. Jury and Edna Genevieve Fleharty, known to me to be the persons described in and whose names are subscribed to the within instrument, and acknowledged that they executed the same.

WITNESS my hand and official seal the day and year in this certificate first above written.

(SEAL)

G. R. VIGNOLO, Notary Public in and for said County and State.

(ENDORSED) GRANT DEED Individual Floyd A. Jury and Edna Genevieve Fleharty To Jesse Durham Dated April 4, 1945. Recorded at request of Security Title Insurance & Guar. Co. at 9 A M Vol. 2248 Official Records, Pg. 225 Apr 26 1945 Fresno County, California.

4/1.00

16735-MU

I. E. FARLEY, County Recorder

By W. H. WATSON, Deputy Recorder

COMPARED BY

Compare

- - - - 0 - - - -

KNOW ALL MEN BY THESE PRESENTS:

That that certain Crop and Chattel Mortgage Dated March 13, 1944, and executed by L. Francesconi in favor of San Joaquin Cotton Oil Company, a Corporation, recorded March 31, 1944 in Book 2160 Page 150 of Official Records, of Fresno County, is hereby postponed, subordinated, and made second and subject to that certain Deed of Trust executed by Lorenzo Francesconi and Marianna Francesconi to secure a note for $27,900.00 dated April 21st, 1945 in favor of Bank of America, N. T. & S. A.

It being the purpose of this instrument to make the lien of the Deed of Trust above referred to first and in every way superior to the Crop Mortgage hereinabove mentioned.

Dated April 23, 1945.

(CORPORATE SEAL)

SAN JOAQUIN COTTON OIL COMPANY

By O. L. FROST, Assistant Secretary

State of California)

County of Kern) ss.

On this 23rd day of April, in the year one thousand nine hundred and forty-five, before me, Edith Adolphson, a Notary Public in and for said County and State,

FRESNO COUNTY RECORDERS OFFICE

RECORDING REQUESTED BY

25049

AND WHEN RECORDED MAIL TO

NAME

ADDRESS

CITY & STATE

Title Order No. _____ Escrow No. _____

FORM WWD-3(B)-EASE. (JAN. 1974)

RECORDED AT REQUEST OF SAFECO Title Ins. Co.

AT — MIN. PAST 8 A M

APR 11 1975

FRESNO COUNTY CALIFORNIA
H. L. MASINI, COUNTY RECORDER

BY DEPUTY RECORDER

FEE $ —

BOOK 6418 PAGE 517

SPACE ABOVE THIS LINE FOR RECORDER'S USE

WESTLANDS WATER DISTRICT R/W Unit No. 130-10A-C

CONTRACT AND GRANT OF EASEMENT

THIS CONTRACT, made this 10th day of March, 19 75, between WESTLANDS WATER DISTRICT, a public agency duly organized, existing and acting pursuant to the laws of the State of California, hereinafter styled the District, and

HARRY MARCHINI and IRMA MARCHINI, husband and wife; GEORGIA MARCHINI; BRUNO MARCHINI and JEAN MARCHINI, husband and wife

hereinafter styled the Grantors:

WITNESSETH, the following grant and the following mutual covenants by and between the parties:

1. Grantors, each as to the portion of the hereinafter described land which he owns or in which he has an interest, do hereby grant unto the District, its successors and assigns, an easement for 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, within, over and across the following described land situated in the County of Fresno, State of California:

PARCEL A

That portion of the northeast quarter (NE¼) of Section Fourteen (14), Township Fourteen (14) South, Range Fourteen (14) East, M.D.B.&M., containing an area of 3.49 acres, more or less, and described as follows:

The North 55 feet of the northeast quarter (NE¼) of said Section 14; also the South 20 feet of the North 75 feet of the East 335 feet of said northeast quarter (NE¼).

And in addition thereto, the Grantor also hereby grants to District, its successors and assigns, 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, at any and all points over, on, and through the following described land. Said easement is to be terminated by the District, or its assigns, by the recording of a Notice of Abandonment prior to 120 days following completion of the construction contract which includes the improvements for which this temporary easement is required. Said land is situated in the County of Fresno, State of California, to wit:

Two parcels of land in the northeast quarter (NE¼) of Section Fourteen (14), Township Fourteen (14) South, Range Fourteen (14) East, M.D.B.&M., containing a combined area of 0.61 of an acre, more or less, and described separately as follows:

PARCEL B

That portion of the South 10 feet of the North 65 feet of said northeast quarter (NE¼) lying West of the East 335 feet thereof, containing an area of 0.53 of an acre, more or less.

PARCEL C

The South 10 feet of the North 85 feet of the East 335 feet of said northeast quarter (NE¼), containing an area of 0.08 of an acre, more or less.

DESCRIPTION CERTIFIED CORRECT
BY: [illegible]
DATE: 12-30-74

019-11 000 05

NO RECORDING OR FILING FEE
Gov't. Code Sections 6103 & 27383
WESTLANDS WATER DIST.
By [illegible]

FRESNO COUNTY RECORDERS OFFICE

2. Said pipelines shall be so laid that not less than four (4) feet of earth, measured from the outside of the pipe collar to the ground surface, shall cover the pipelines, except the fixtures, devices and appurtenances referred to in Article 1 may be any distance either below or above ground surface. Unless otherwise provided by a surface easement granted herein, the District or its assignee shall not construct as an appurtenance to the pipelines an above ground structure with a length, width or diameter in excess of 48 inches or a height in excess of 60 inches without the consent of the Grantors.

3. The grant of easement herein contained shall include the right to enter upon said land, survey, construct, reconstruct, lay, re-lay, maintain, operate, control, use and remove said pipelines, fixtures and appurtenances, and to remove objects interfering therewith. Grantors reserve the right to cultivate, occupy and use the premises for any purpose consistent with the rights and privileges above granted and which will not interfere with, damage or endanger any of the structures or equipment of the District or the use thereof. The right to accupy and use the premises reserved by the Grantors herein shall include the construction of driveways, roads, fences, pipelines and ditches as long as they do not interfere with, damage or endanger any of the structures of the District or prevent reasonable access thereto for the purpose of operation and maintenance.

4. The grant of easement herein contained is subject to existing rights of way for highways, roads, railroads, canals, laterals, ditches, other pipelines, electrical transmission lines and telephone and telegraph lines covering any part of the above described land.

5. For and in considerotion of the conveyance of the herein defined estate to the District, and in satisfaction of any and all claims which the Grantors have or may hereafter have against the District, arising out of the construction, operation and maintenance of the structures for which this easement is granted, the District, or its assignee, shall:

(a) Pay to the Grantors:

1. The amount of any damage which occurs as a result of and during the construction, reconstruction, laying, relaying, control, use, removal, operation and maintenance of the structures for which this easement is granted to (a) trees, seedlings, vines, crops ond soil within or on the land herein described, (b) such irrigation facilities or other improvements presently located thereon as are not to be permanently relocated as herein provided on other land of Grantors and (c) improvements constructed on said land which are consistent with the rights and privileges granted by this contract to the District within the scope of Article 3 of this contract.

2. The amount of any damage which occurs as a necessary and direct result of and during the construction, in the manner provided in the construction contract specifications, of the structures for which this easement is granted, to trees, seedlings, vines, crops, soil and improvements located other than within or on the land herein described; Provided, that if said damage was the result of the negligence of the construction contractor, the liability shall be solely that of the contractor.

3. The reasonable cost of the relocation of such of said irrigation facilities or other improvements as the District or its assignee shall determine shall be relocated by the Grantors; or

(b) In lieu of the payment of the amount of said damage to the said irrigation facilities or other improvements, or of the costs of the relocation of said irrigation facilities or other improvements, the District or its assignee may, at its option and expense, relocate the said irrigation facilities or other improvements:

and the Grantors shall so accept said payment or relocation.

The payments to be made under the provisions of subparagraphs (a) 1 and (a) 2 of this article shall be made after the completion of the construction of the pipelines of the District or its assignee in, through and on the land herein described and shall be in an amount determined by an appraisal made by the District or its assignee. Any irrigation facility to be relocated as herein provided shall be of quality and standard equivalent to that of the existing facility, and such irrigation facility or other improvement shall be relocated to such land of the Grantors adjoining that herein described as the parties hereto shall mutually determine to be reasonable and proper. The District shall notify Grantors as to the facilities and improvements that must be relocated and in such notice shall inform Grantors as to the date when such relocation must be completed and of the reasonable cost of such relocation. The payment under the provisions of subparagraph (a) 3 of this article shall be made upon the completion of the said relocation, and shall be in an amount determined by the District or its assignee to be the reasonable cost thereof.

6. The Grantor hereby consents to the payment to Lessee of all sums coming due pursuant to subparagraphs 5(a)1 and 5(a)2 hereof for damage to annual crops and seedlings and the annual harvest from trees, vines and perennial plants occuring during the time said Lessee is in possession of said property.

7. The District may assign the easement granted herein to the United States of America subject to the terms hereof.

8. In case of permanent abandonment of said right of way, the title and interest herein granted shall end, cease and terminate.

9. The covenants and provisions herein shall inure to the benefit of and bind the successors and assigns of the Grantors.

IN WITNESS WHEREOF, the parties have caused this contract and grant of easement to be executed the date hereinabove written.

GRANTORS

Harry Marchini
HARRY MARCHINI

Irma Marchini
IRMA MARCHINI, wife

GEORGIA MARCHINI

Georgia Marchini

WESTLANDS WATER DISTRICT

By Joseph M Brody
Manager-Chief Counsel

Bruno Marchini
BRUNO MARCHINI

Jean Marchini
JEAN MARCHINI, wife

FRESNO COUNTY RECORDERS OFFICE

CONSENT OF LESSEE

LESSEE, as Tenant under a lease from Grantor, hereby consents to this contract and grant of easement and hereby subordinates his right under his lease of the property described herein to the rights granted to the District hereunder.

LESSEE:

_____

_____

_____

(Acknowledgment - Individual)

STATE OF CALIFORNIA }
County of Fresno } ss.

On March 10, 1975 before me, the undersigned, a Notary Public in and for the State of California, personally appeared Harry Marchini, Irma Marchini, Georgia Marchini, Bruno Marchini and Jean Marchini

known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same.

WITNESS my hand and official seal.

(Seal)

OFFICIAL SEAL
Michael J. O'Neill
Notary Public, California
Principal Office in
Fresno County
My Com. Expires April 19, 1976

Michael J. O'Neill

MICHAEL J. O'NEILL
Name (Typed or Printed)
Notary Public in and for the State of California

(Acknowledgment - Corporation)

STATE OF CALIFORNIA
_____ County of _____ } ss.

On this _____ day of _____, 19____, before me, the undersigned, a Notary Public in and for the State of California, personally appeared _____ known to me to be the _____ President, and _____ known to me to be the _____ Secretary _____ of the corporation described in and thot executed the within instrument, and also known to me to be the person___ who executed it on behalf of the corporation therein named, and ___he___ acknowledged to me that such corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.

WITNESS my hand and official seal.

(Seal)

_____
Name (Typed or Printed)
Notary Public in and for the State of California

(Acknowledgment - Subscribing Witness)

STATE OF CALIFORNIA
_____ County of _____ } ss.

On _____, 19____ before me, the undersigned, a Notary Public in and for the State of California, personally appeared _____, known to me to be the person whose name is subscribed to the within instrument as a witness thereto, who, being by me duly sworn, deposed and said: that he resides in the County of _____, State of California; that he was present and saw _____, personally known to him to be the person___ described in and whose name___ _____ subscribed to the within instrument, execute the same; and thot affiant subscribed his name thereto as a witness to said execution.

WITNESS my hand and official seal.

(Seal)

_____
Name (Typed or Printed)
Notary Public in and for the State of California

(Acknowledgment - Westlands Water District)

STATE OF CALIFORNIA
COUNTY OF FRESNO } ss.

On this 11 day of March, 19 75 before me, MICHAEL J. O'NEILL, a Notary Public in and for the County of Fresno, State of California, personally appeared RALPH M. BRODY, known to me to be the Manager-Chief Counsel of Westlands Water District, a public district organized under the laws of the State of California with its offices at Fresno, California; known to me to be the person who executed the within instrument, on behalf of Westlands Water District and acknowledged to me that he executed the instrument pursuant to a resolution of its board of directors.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my office in said County, the day and year in this Certificate first above written.

(Seal)

OFFICIAL SEAL
Michael J. O'Neill
Notary Public, California
Principal Office in
Fresno County
My Com. Expires April 19, 1976

Michael J. O'Neill
Notary Public in and for said County and State

This is to certify that the interest in real property conveyed by the foregoing contract and grant of easement is hereby accepted by the undersigned agent on behalf of the Board of Directors of Westlands Water District, a political subdivision of the State of California, pursuant to authority conferred by Resolution No. 139-63 of the said Board of Directors adopted on July 19, 1963 and the grantee consents to the recordation thereof by its duly authorized officer.

Dated: March 11, 1975

Ralph M. Brody
Manager-Chief Counsel
Westlands Water District

FRESNO COUNTY RECORDERS OFFICE

RECORDING REQUESTED BY

25049

AND WHEN RECORDED MAIL TO

NAME

ADDRESS

CITY & STATE

Title Order No. _____ Escrow No. _____

FORM WWD-3(B)-EASE. (JAN. 1974)

RECORDED AT REQUEST OF SAFECO Title Ins. Co.

AT — MIN. PAST 8 A M

APR 11 1975

FRESNO COUNTY CALIFORNIA
H. L. MASINI, COUNTY RECORDER

BY DEPUTY RECORDER

FEE $ —

BOOK 6418 PAGE 517

SPACE ABOVE THIS LINE FOR RECORDER'S USE

WESTLANDS WATER DISTRICT R/W Unit No. 130-10A-C

CONTRACT AND GRANT OF EASEMENT

THIS CONTRACT, made this 10th day of March, 19 75, between WESTLANDS WATER DISTRICT, a public agency duly organized, existing and acting pursuant to the laws of the State of California, hereinafter styled the District, and

HARRY MARCHINI and IRMA MARCHINI, husband and wife; GEORGIA MARCHINI; BRUNO MARCHINI and JEAN MARCHINI, husband and wife

hereinafter styled the Grantors:

WITNESSETH, the following grant and the following mutual covenants by and between the parties:

1. Grantors, each as to the portion of the hereinafter described land which he owns or in which he has an interest, do hereby grant unto the District, its successors and assigns, an easement for 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, within, over and across the following described land situated in the County of Fresno, State of California:

PARCEL A

That portion of the northeast quarter (NE¼) of Section Fourteen (14), Township Fourteen (14) South, Range Fourteen (14) East, M.D.B.&M., containing an area of 3.49 acres, more or less, and described as follows:

The North 55 feet of the northeast quarter (NE¼) of said Section 14; also the South 20 feet of the North 75 feet of the East 335 feet of said northeast quarter (NE¼).

And in addition thereto, the Grantor also hereby grants to District, its successors and assigns, 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, at any and all points over, on, and through the following described land. Said easement is to be terminated by the District, or its assigns, by the recording of a Notice of Abandonment prior to 120 days following completion of the construction contract which includes the improvements for which this temporary easement is required. Said land is situated in the County of Fresno, State of California, to wit:

Two parcels of land in the northeast quarter (NE¼) of Section Fourteen (14), Township Fourteen (14) South, Range Fourteen (14) East, M.D.B.&M., containing a combined area of 0.61 of an acre, more or less, and described separately as follows:

PARCEL B

That portion of the South 10 feet of the North 65 feet of said northeast quarter (NE¼) lying West of the East 335 feet thereof, containing an area of 0.53 of an acre, more or less.

PARCEL C

The South 10 feet of the North 85 feet of the East 335 feet of said northeast quarter (NE¼), containing an area of 0.08 of an acre, more or less.

DESCRIPTION CERTIFIED CORRECT
BY: [illegible]
DATE: 12-30-74

019-11 000 05

NO RECORDING OR FILING FEE
Gov't. Code Sections 6103 & 27383
WESTLANDS WATER DIST.
By [illegible]

FRESNO COUNTY RECORDERS OFFICE

2. Said pipelines shall be so laid that not less than four (4) feet of earth, measured from the outside of the pipe collar to the ground surface, shall cover the pipelines, except the fixtures, devices and appurtenances referred to in Article 1 may be any distance either below or above ground surface. Unless otherwise provided by a surface easement granted herein, the District or its assignee shall not construct as an appurtenance to the pipelines an above ground structure with a length, width or diameter in excess of 48 inches or a height in excess of 60 inches without the consent of the Grantors.

3. The grant of easement herein contained shall include the right to enter upon said land, survey, construct, reconstruct, lay, re-lay, maintain, operate, control, use and remove said pipelines, fixtures and appurtenances, and to remove objects interfering therewith. Grantors reserve the right to cultivate, occupy and use the premises for any purpose consistent with the rights and privileges above granted and which will not interfere with, damage or endanger any of the structures or equipment of the District or the use thereof. The right to accupy and use the premises reserved by the Grantors herein shall include the construction of driveways, roads, fences, pipelines and ditches as long as they do not interfere with, damage or endanger any of the structures of the District or prevent reasonable access thereto for the purpose of operation and maintenance.

4. The grant of easement herein contained is subject to existing rights of way for highways, roads, railroads, canals, laterals, ditches, other pipelines, electrical transmission lines and telephone and telegraph lines covering any part of the above described land.

5. For and in considerotion of the conveyance of the herein defined estate to the District, and in satisfaction of any and all claims which the Grantors have or may hereafter have against the District, arising out of the construction, operation and maintenance of the structures for which this easement is granted, the District, or its assignee, shall:

(a) Pay to the Grantors:

1. The amount of any damage which occurs as a result of and during the construction, reconstruction, laying, relaying, control, use, removal, operation and maintenance of the structures for which this easement is granted to (a) trees, seedlings, vines, crops ond soil within or on the land herein described, (b) such irrigation facilities or other improvements presently located thereon as are not to be permanently relocated as herein provided on other land of Grantors and (c) improvements constructed on said land which are consistent with the rights and privileges granted by this contract to the District within the scope of Article 3 of this contract.

2. The amount of any damage which occurs as a necessary and direct result of and during the construction, in the manner provided in the construction contract specifications, of the structures for which this easement is granted, to trees, seedlings, vines, crops, soil and improvements located other than within or on the land herein described; Provided, that if said damage was the result of the negligence of the construction contractor, the liability shall be solely that of the contractor.

3. The reasonable cost of the relocation of such of said irrigation facilities or other improvements as the District or its assignee shall determine shall be relocated by the Grantors; or

(b) In lieu of the payment of the amount of said damage to the said irrigation facilities or other improvements, or of the costs of the relocation of said irrigation facilities or other improvements, the District or its assignee may, at its option and expense, relocate the said irrigation facilities or other improvements:

and the Grantors shall so accept said payment or relocation.

The payments to be made under the provisions of subparagraphs (a) 1 and (a) 2 of this article shall be made after the completion of the construction of the pipelines of the District or its assignee in, through and on the land herein described and shall be in an amount determined by an appraisal made by the District or its assignee. Any irrigation facility to be relocated as herein provided shall be of quality and standard equivalent to that of the existing facility, and such irrigation facility or other improvement shall be relocated to such land of the Grantors adjoining that herein described as the parties hereto shall mutually determine to be reasonable and proper. The District shall notify Grantors as to the facilities and improvements that must be relocated and in such notice shall inform Grantors as to the date when such relocation must be completed and of the reasonable cost of such relocation. The payment under the provisions of subparagraph (a) 3 of this article shall be made upon the completion of the said relocation, and shall be in an amount determined by the District or its assignee to be the reasonable cost thereof.

6. The Grantor hereby consents to the payment to Lessee of all sums coming due pursuant to subparagraphs 5(a)1 and 5(a)2 hereof for damage to annual crops and seedlings and the annual harvest from trees, vines and perennial plants occuring during the time said Lessee is in possession of said property.

7. The District may assign the easement granted herein to the United States of America subject to the terms hereof.

8. In case of permanent abandonment of said right of way, the title and interest herein granted shall end, cease and terminate.

9. The covenants and provisions herein shall inure to the benefit of and bind the successors and assigns of the Grantors.

IN WITNESS WHEREOF, the parties have caused this contract and grant of easement to be executed the date hereinabove written.

GRANTORS

Harry Marchini
HARRY MARCHINI

Irma Marchini
IRMA MARCHINI, wife

GEORGIA MARCHINI

Georgia Marchini

WESTLANDS WATER DISTRICT

By Joseph M Brody
Manager-Chief Counsel

Bruno Marchini
BRUNO MARCHINI

Jean Marchini
JEAN MARCHINI, wife

FRESNO COUNTY RECORDERS OFFICE

CONSENT OF LESSEE

LESSEE, as Tenant under a lease from Grantor, hereby consents to this contract and grant of easement and hereby subordinates his right under his lease of the property described herein to the rights granted to the District hereunder.

LESSEE:

_____

_____

_____

(Acknowledgment - Individual)

STATE OF CALIFORNIA }
County of Fresno } ss.

On March 10, 1975 before me, the undersigned, a Notary Public in and for the State of California, personally appeared Harry Marchini, Irma Marchini, Georgia Marchini, Bruno Marchini and Jean Marchini

known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same.

WITNESS my hand and official seal.

(Seal)

OFFICIAL SEAL
Michael J. O'Neill
Notary Public, California
Principal Office in
Fresno County
My Com. Expires April 19, 1976

Michael J. O'Neill

MICHAEL J. O'NEILL
Name (Typed or Printed)
Notary Public in and for the State of California

(Acknowledgment - Corporation)

STATE OF CALIFORNIA
_____ County of _____ } ss.

On this _____ day of _____, 19____, before me, the undersigned, a Notary Public in and for the State of California, personally appeared _____ known to me to be the _____ President, and _____ known to me to be the _____ Secretary _____ of the corporation described in and thot executed the within instrument, and also known to me to be the person___ who executed it on behalf of the corporation therein named, and ___he___ acknowledged to me that such corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.

WITNESS my hand and official seal.

(Seal)

_____
Name (Typed or Printed)
Notary Public in and for the State of California

(Acknowledgment - Subscribing Witness)

STATE OF CALIFORNIA
_____ County of _____ } ss.

On _____, 19____ before me, the undersigned, a Notary Public in and for the State of California, personally appeared _____, known to me to be the person whose name is subscribed to the within instrument as a witness thereto, who, being by me duly sworn, deposed and said: that he resides in the County of _____, State of California; that he was present and saw _____, personally known to him to be the person___ described in and whose name___ _____ subscribed to the within instrument, execute the same; and thot affiant subscribed his name thereto as a witness to said execution.

WITNESS my hand and official seal.

(Seal)

_____
Name (Typed or Printed)
Notary Public in and for the State of California

(Acknowledgment - Westlands Water District)

STATE OF CALIFORNIA
COUNTY OF FRESNO } ss.

On this 11 day of March, 19 75 before me, MICHAEL J. O'NEILL, a Notary Public in and for the County of Fresno, State of California, personally appeared RALPH M. BRODY, known to me to be the Manager-Chief Counsel of Westlands Water District, a public district organized under the laws of the State of California with its offices at Fresno, California; known to me to be the person who executed the within instrument, on behalf of Westlands Water District and acknowledged to me that he executed the instrument pursuant to a resolution of its board of directors.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my office in said County, the day and year in this Certificate first above written.

(Seal)

OFFICIAL SEAL
Michael J. O'Neill
Notary Public, California
Principal Office in
Fresno County
My Com. Expires April 19, 1976

Michael J. O'Neill
Notary Public in and for said County and State

This is to certify that the interest in real property conveyed by the foregoing contract and grant of easement is hereby accepted by the undersigned agent on behalf of the Board of Directors of Westlands Water District, a political subdivision of the State of California, pursuant to authority conferred by Resolution No. 139-63 of the said Board of Directors adopted on July 19, 1963 and the grantee consents to the recordation thereof by its duly authorized officer.

Dated: March 11, 1975

Ralph M. Brody
Manager-Chief Counsel
Westlands Water District

Recording Requested by:
Chicago Title Company
For the benefit of
Westlands Water District and
U.S. Bureau of Reclamation

When Recorded, mail to:

Westlands Water District
3130 N. Fresno Street
Fresno, CA. 93703

U.S. Bureau of Reclamation
1243 "N" Street
Fresno, CA. 93732-1813

Escrow No. 5633442-SCF

FRESNO County Recorder
Robert C. Werner
DOC- 2004-0221851
Acct 2-Chicago Title Company
Monday, OCT 04, 2004 08:00:00
Ttl Pd $0.00 Nbr-0001615032
APR/R1/1-9

DRAINAGE EASEMENT

APN: 019-050-19s, 48s, 55s, 56s, 59s; 019-110-03s, 04s, 05s, 06s, 13s

RICK BLANCHARD, who also acquired title as ERIC BLANCHARD, and ALLISON BLANCHARD, husband and wife; DARRELL LOUIS SILVEIRA, an unmarried man, who also acquired title as DARRELL SILVEIRA, a single man; and DUDLEY J. SILVEIRA and CHARLOTTE J. SILVEIRA, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated February 21, 2002; ("Owners"), are the current owners of the farmlands located in Fresno County, California, described in Exhibit "1" attached hereto ("the Covered Lands"). Owners execute this Drainage Easement ("Easement") pursuant to the terms and conditions contained in the Settlement Agreement dated December 11, 2002, ("Settlement"), in the lawsuit entitled Sumner Peck Ranch, Inc., et al. vs. United States of America, et al., CIV. No. F-91-048 OWW, in the United States District Court for the Eastern District of California, Fresno Division ("the Lawsuit"), and related proceedings in the United States Court of Federal Claims ("the Court of Federal Claims Lawsuit"), entered into by the following parties: **SUMNER PECK RANCH, INC., ET AL.** ("the Peck Plaintiffs"), the **UNITED STATES OF AMERICA** ("the United States"), and **WESTLANDS WATER DISTRICT** ("Westlands").

Pursuant to this Easement and the Settlement, Owners hereby grant to Westlands 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, create, 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.

Pursuant to this Easement and the Settlement, Owners hereby release, waive, and abandon any and all claims, demands, rights, or causes of action which they have asserted, or could have asserted, against the United States and/or Westlands in the Lawsuit or the Court of Federal Claims Lawsuit arising out of facts alleged in, or relating to the subject matter of, the Lawsuit of the Court of Federal Claims Lawsuit.

Dated: September 28, 2004

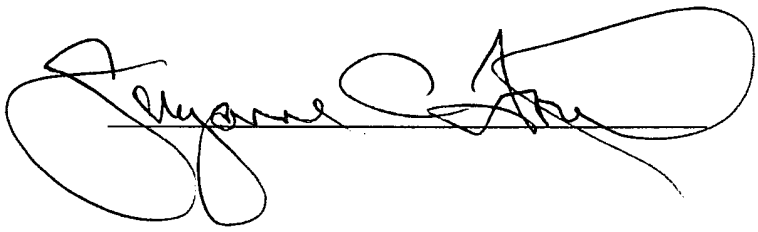
SEE SIGNATURE PAGE ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

STATE OF CALIFORNIA)
SS.
COUNTY OF FRESNO)

On September 30, 2004 before me, the undersigned, a Notary Public in and for said County and State, personally appeared Rick Blanchard, Allison Blanchard, Darrell Louis Silveira, Dudley J. Silveira and Charlotte J. Silveira

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

WITNESS my hand and official seal.



2

SIGNATURE PAGE

RICK BLANCHARD

ALLISON BLANCHARD

DARRELL LOUIS SILVEIRA

DUDLEY J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

CHARLOTTE J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

EXHIBIT "1"

PARCEL 1:

The East half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPT THEREFROM that portion described as follows:

BEGINNING at the Southeast corner of said Section 12 and running thence North along the East line of the Section a distance of 150 feet to a point; thence Westerly and parallel to the South line of the Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of the Section a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM all oil, gas and other hydrocarbon substances as reserved in the Deed from Capital Company, a corporation, dated February 24, 1942, recorded March 10, 1942 in Book 1993 Page 428 of Official Records, Document No. 9937.

PARCEL 1A:

BEGINNING at the Southeast corner of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof, and running thence North along the East line of said Section, a distance of 150 feet to a point; thence Westerly and parallel to the South line of said Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of said Section, a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and

thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-59s

PARCEL 2:

The West half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Luie M. Christopher, also known as Louie M. Christopher, also known as L. M. Christopher and Effie A. Christopher, his wife, to Arne Jalonen and Ramona S. Jalonen, husband and wife, as joint tenants, recorded January 7, 1952 in Book 3106 Page 60 of Official Records, Document No. 679;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-19s

PARCEL 3:

The Northeast quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Floyd A. Jury and Edna Genevieve Fleharty to Jesse Durham, dated April 4, 1945, filed for record April 26, 1945 in Book 2248 Page 225 of Official Records, Document No. 16735.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-05s

PARCEL 4:

The Northwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and minerals, as reserved in the Deed from California Lands, Inc., (now Capital Company, a corporation), dated January 29, 1930, recorded in Book 1064 Page 40 of Official Records, Document No. 5336;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-06s

PARCEL 5:

The East half and the Southwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM the following described property:

That portion of the East half of the East half of said Section 13, described as follows:

Beginning at the Southeast corner of said Section, said Southeast corner being at Coordinates Y=502467.210 feet and X=1593586.361 feet; thence (1) along the South line of said Section, North 89° 16′ 19" West, 101.65 feet; thence (2) North 61° 26′ 58" East 82.73 feet to the West line of the East 30 feet of said Section; thence (3) along said West line, North 1° 26′ 58" East, 5195.14 feet; thence (4) North 43° 33′ 02" West 70.72 feet to the South line of the North 30 feet of said Section; thence (5) North 1° 26′ 46" East 30.00 feet to the North line of said Section; thence (6) along last said North line, South 89° 20′ 02" East 80.01 feet to the East line of said Section; thence (7) along said East line, South 1° 26′ 58" West 5316.32 feet to the point of beginning.

ALSO EXCEPTING THEREFROM one-half of all oil, gas and minerals, as reserved in the deed from Pearl Bartlett Adams to K. Henry Kruse and Lydia S. Kruse, husband and wife, as joint tenants, dated November 5, 1951, recorded November 23, 1951, in Book 3091 Page 328 of Official Records, Document No. 61397;

ALSO EXCEPTING THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals therein and thereunder, together with all easements ad rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon; as reserved in the deed from John Berkovich, also known as John J. Berkovich and Mary L. Berkovich, husband and wife, to Manuel J. Silveira and Elsie M. Silveira, husband and wife, as joint tenants, dated March 30, 1959, recorded April 15, 1959, in Book 4207 Page 697 of Official Records, Document No. 27494;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals as reserved in the deed from Manuel J. Silveira and Elsie M. Silveira to Edgar A. Wilkins and Evelyn Wilkins, husband and wife, dated September 20, 1962, recorded October 17, 1962, in Book 4775 Page 347 of Official Records, Document No. 79533;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals lying in and under said land, as reserved by Edgar A. Wilkinss by deed recorded March 20, 1968, in bk 555549 Page 456 of Official Records, Document No. 20329.

APN: 019-110-13s

PARCEL 6:

The North 1242.71 feet (measured at right angles) of the West half of the Southwest quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

APN: 019-050-48s

PARCEL 7:

The Northwest quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPTING THEREFROM an undivided 1/8 interest in and to all oil, gas, minerals and other hydrocarbon substances lying in and under the above described property, as reserved in the deed recorded March 15, 1967.

APN: 019-110-04s

PARCEL 8:

The South half of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM an undivided 2/25ths interest in and to the oil, gas and other minerals within or underlying said property.

ALSO EXCEPTING THEREFROM an undivided 50% of Grantor's interest in and to all oil, gas, minerals, hydrocarbon substances and available mineral rights in and under said land, as reserved in the deed from Anita M. Whiting, formerly Anita Arnaudon Salter, recorded December 15, 1983, as Document No. 83117333.

APN: 019-110-03s

PARCEL 9:

Lots 49 to 52, inclusive, Lots 61 to 64, inclusive, Lots 67 and 68, Lots 77 and 78, and Lot E of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records;

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-050-56s

PARCEL 10:

Lots 65, 66, 79 and 80 of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records.

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-05~~6~~0-55s

CERTIFICATE OF ACCEPTANCE

Pursuant to the powers granted by the California Water Code section 35405 and according to the authority granted the General Manager by Westlands Water District Rules and Regulations, this certifies that the interest in real property conveyed by the attached instrument, entitled Drainage Easement and dated September 28, 2004 from DARRELL SILVEIRA, ETAL to Westlands Water District, a public agency organized and operated under California Water Code section 34000 et seq., is hereby accepted by the undersigned Secretary on behalf of the Board of Directors of Westlands Water District, and the District hereby consents to recordation of the attached instrument.

Date: September 28, 2004

By: _____
Dave Ciapponi
Secretary

9

Recording requested by:
FIRST AMERICAN TITLE CO.

34

RECORDING REQUESTED BY:

WESTLANDS WATER DISTRICT

U.S. BUREAU OF RECLAMATION

WHEN RECORDED MAIL TO

Westlands Water District
P.O. Box 6056
Fresno, CA 93703-6056

U.S. Bureau of Reclamation
1243 "N" Street
Fresno, CA 93721-1813

FRESNO County Recorder
Robert C. Werner
DOC- 2006-0266516
Acct 5-First American Title Insurance Company
Thursday, DEC 21, 2006 08:00:00
Ttl Pd $0.00 Nbr-0002380226
CRR/R2/1-34

DECLARATION OF
RESTRICTIVE COVENANT
(Non-irrigation Covenant)

APN: 050-070-06S; 050-070-57; 59S; 61S; 050-080-01; 17S; 050-120-34S (POR)

Westlands Water District ("Westlands" and/or "Owner"), owns the farmlands in Fresno County, California, described in Exhibit "A" attached hereto ("the Subject Lands"). Owner executes this Declaration of Restrictive Covenant (Non-irrigation Covenant) ("Restrictive Covenant") pursuant to the terms and conditions contained in the Settlement Agreement dated December 11, 2002 ("Settlement"), in the lawsuit entitled Sumner Peck Ranch, Inc., et al. vs. United States of America, et al., CIV. No. F-91-048 OWW, in the United States District Court for the Eastern District of California, Fresno Division, and related proceedings in the United States Court of Federal Claims ("the Court of Federal Claims Lawsuit"), entered into by the following parties: **SUMNER PECK RANCH, INC., ET AL.** ("the Peck Plaintiffs"), the **UNITED STATES OF AMERICA** ("the United States"), and **WESTLANDS.**

The Westlands Water District contains the real property legally described in Exhibit "B" attached hereto and made a part hereof ("District Area"), which includes the Subject Lands. As set forth below, the District Area, exclusive of the Subject Lands, shall benefit from the imposition of this Restrictive Covenant on the Subject Lands ("Benefited Lands"). Westlands is an owner of a portion of the Benefited Lands legally described in Exhibit "C", attached hereto and made a part hereof ("Westlands Land"). The United States is an owner of a portion of the Benefited Lands legally described in Exhibit "D", attached hereto and made a part hereof ("United States Land").

This Restrictive Covenant shall run with the Subject Lands, shall prohibit irrigation of the Subject Lands, as set forth below, and shall be binding upon Owner, upon Owner's heirs, successors and assigns, and upon all subsequent owners of the Subject Lands and all persons asserting any legal, equitable, or security interest of any nature in the subject Lands. This Restrictive Covenant shall run with the Benefited Lands including, but not limited to the Westlands Land and United States Land. The Benefited Lands are benefited in that the Subject Lands shall not be irrigated, as set forth below, thereby increasing the amount of Central Valley Project water that may be allocated to the Benefited Lands and decreasing the amount of land that may require drainage.

Owner, for Owner and for Owner's heirs, successors and assigns, agrees that the Subject Lands shall not be irrigated from any source, including, without limitation, Central Valley Project water and groundwater pumped locally or elsewhere, for agricultural purposes or for any other purpose except as necessary to restore the Subject Lands to Native upland habitat. However, notwithstanding the foregoing restriction, Westlands may construct, operate or maintain groundwater wells for the purpose of extracting groundwater for beneficial use on the Benefited Lands.

Owner agrees that upon the transfer of its interest in any portion of the Subject Lands, that the transfer document shall contain a statement acknowledging that the property interest transferred therein is subject to this

Declaration of Restrictive Covenant (Non-irrigation Covenant). The transfer document statement shall include the full recording information of this Restrictive Covenant.

Pursuant to the terms and conditions of the Settlement, this Restrictive Covenant may be enforced by the United States, to the extent that the United States is an owner of a portion of the Benefited Lands, and this Restrictive Covenant may be enforced by Westlands, to the extent that Westlands is an owner of a portion of the Benefited Lands, in the United States District Court, Eastern District of California, Fresno Division, or in any other court of competent jurisdiction; and the United States and/or Westlands shall be entitled to reasonable attorneys fees in any such enforcement proceedings. "Enforced", as used in this paragraph, includes, without limitation, injunctive enforcement.

Dated: December 20, 2006

WESTLANDS/OWNER

WESTLANDS WATER DISTRICT

By: _____

Name Dave Ciapponi

Title Assistant General Manager

STATE OF CALIFORNIA) SS
COUNTY OF FRESNO)

On Dec. 20, _____, 2006, before me,
Notary Public, personally appeared Dave Ciapponi, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITTNESS my hand and official seal.

Signature

_____

My Commission Expires: _____

This area for official notarial seal

Notary Name: _____

Notary Phone: _____

Notary Registration Number: _____

County of Principal Place of Business: _____

2

State of California

County of Fresno

On Dec. 20, 2006 before me, Deborah L. Tuggle, a Notary
Date

Public ~~in and for said County and State,~~ personally appeared _____

Dave Ciamponi

☒ personally known to me –or- ☐ proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/sh~~e/they~~ executed the same in his/he~~r/their~~ authorized capacity(i~~es~~), and that by his/he~~r/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

Deborah L. Tuggle
Signature of Notary Public

DEBORAH L. TUGGLE
Commission # 1459025
Notary Public - California
Fresno County
My Comm. Expires Jan 26, 2008

Exhibit "A"

Real property in the County of FRESNO, State of California, described as follows:

PARCEL 1: APN'S 050-070-06S, 050-070-57, 050-070-59S and 050-070-61S

ALL OF SECTION 24, TOWNSHIP 17 SOUTH, RANGE 16 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE UNITED STATES GOVERNMENT SURVEY.

EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE WEST 120 ACRES AS DESCRIBED IN DEED TO WESTLANDS WATER DISTRICT RECORDED DECEMBER 5, 2002 AS INSTRUMENT NO. 2002-0218994 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM ANY PORTION LYING WITHIN THE WEST 265 ACRES AS DESCRIBED IN DEED TO WESTLANDS WATER DISTRICT RECORDED MARCH 11, 2003 AS INSTRUMENT NO. 0056329 OF OFFICIAL RECORDS.

ALSO EXCEPT ALL OF THE OIL, GAS, PETROLEUM, ASPHALTUM, AND ALL OTHER MINERALS AND MINERAL RIGHTS OF EVERY KIND AND NATURE AND DESCRIPTION IN, ON OR UNDER, OR WHICH MAY BE PRODUCED FROM SAID PROPERTY.

PARCEL 2: APN 050-080-01

ALL OF SECTION 18, TOWNSHIP 17 SOUTH, RANGE 17 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM ALL OIL, GAS, MINERALS AND OTHER HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, WITH SUCH RIGHTS OF INGRESS AND EGRESS AS MAY BE NECESSARY TO EXPLORE FOR AND PRODUCE THE SAME, AS HERETOFORE CONVEYED IN DEED RECORDED FEBRUARY 28, 2003 AS INSTRUMENT NO. 0047015 OF OFFICIAL RECORDS.

PARCEL 3: APN: 050-080-17S (PORTION)

THE EAST ½ OF ALL OF SECTION 19, TOWNSHIP 17 SOUTH, RANGE 17 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE UNITED STATES GOVERNMENT SURVEY.

EXCEPT ALL OIL, GAS AND MINERALS IN AND UNDER THE SOUTH ½ OF SAID SECTION 19, INCLUSIVE OF THE FRACTIONS ON THE WEST SIDE THEREOF, TOGETHER WITH THE RIGHT TO TAKE THE USUAL, NECESSARY OR CONVENIENT MEANS TO BORE WELLS, MAKE EXCAVATIONS AND TO REMOVE OIL, GAS AND MINERALS THAT ARE FOUND THEREON, IN ACCORDANCE WITH AGREEMENT DATED MARCH 1, 1939, RECORDED APRIL 11, 1939 IN BOOK 1733, PAGE 375 OF OFFICIAL RECORDS AND RESERVED IN THE DEED PURSUANT TO SAID AGREEMENT DATED FEBRUARY 25, 1941, RECORDED MARCH 27, 1941 IN BOOK 2020, PAGE 68 OF OFFICIAL RECORDS.

PARCEL 4: APN 050-120-34S (PORTION)

THE NORTHWEST 1/4 OF SECTION 29, TOWNSHIP 17 SOUTH, RANGE 17 EAST, MOUNT DIABLO BASE AND MERIDIAN, ACCORDING TO THE UNITED STATES GOVERNMENT TOWNSHIP PLATS, APPROVED BY THE SURVEYOR GENERAL ON FEBRUARY 28, 1855;

ALSO EXCEPT ALL OF THE OIL, GAS, PETROLEUM, AND OTHER HYDROCARBON SUBSTANCES AND RIGHTS AND ALL OTHER MINERALS AND MINERAL RIGHTS OF EVERY KIND, NATURE AND DESCRIPTION IN, ON OR UNDER OF WHICH OR WHICH MAY BE PRODUCED ON OR FROM SAID PROPERTY.

4

EXHIBIT "B"

Revision Dates:	07-11-66	07-17-67	07-27-67	08-23-67	10-30-67
	02-26-68	12-18-68	11-19-69	04-17-69	06-05-70
	05-11-71	07-25-73	01-03-74	05-10-74	08-30-74
	12-26-74	06-25-75	08-05-75	06-13-77	10-01-77
	12-27-77	10-08-82	12-31-85	08-13-03	10-11-06

WESTLANDS WATER DISTRICT

BOUNDARY DESCRIPTIONS

Beginning at the Northwest corner of Section 21, T.14S., R.12E., M.D.B.&M.; thence Easterly along the North line of said Section 21 to the Northeast corner of said Section 21; thence Northerly along the West line of Section 15, T.14S., R.12E., to the West quarter corner of the Northwest 1/4 of said Section 15, thence Easterly along the North line of the South 1/2 of the Northwest 1/4 of said Section 15 to the Northeast corner of the South 1/2 of the Northwest 1/4 of said Section 15; thence Northerly along the West line of the North 1/2 of the Northeast 1/4 of said Section 15 to the North quarter corner of said Section 15; thence Easterly along the North line of said Section 15 to the Northeast corner of said Section 15; thence Northerly along the West line of Section 11, T.14S., R.12E., to the West quarter corner of said Section 11; thence Easterly along the North line of the Southwest 1/4 of said Section 11 to the Northeast corner of the Southwest 1/4 of said Section 11; thence Northerly along the West line of the Northeast 1/4 of said Section 11 to the North quarter corner of said Section 11 and the South quarter corner of Section 2, T.14S., R.12E.; thence Easterly along the North line of said Section 11 to the North quarter corner of said Northeast 1/4 of said Section 11 and the South quarter corner of the Southeast 1/4 of said Section 2; thence Northerly along the West line of the East 1/2 of the Southeast 1/4 of said Section 2 to the Northwest corner of the East 1/2 of Southeast 1/4 of said Section 2; thence West along the East-West midsection line of said Section 2, to the West line of said Section 2; thence North along the West line of said Section 2 to the Northwest corner of said Section 2 and the Southwest corner of Section 35, T.13S., R.12E.; thence Easterly along the South line of said Section 35 to the East line of the West 1/2 of the Southwest 1/4 of said Section 35; thence North along the East line of the West 1/2 of the Southwest 1/4 of said Section 35 to the center of the Southwest 1/4 of said Section 35; thence Easterly along the South line of the North 1/2 of the Southwest 1/4 of said Section 35 to the North-South midsection line of said Section 35; thence North along the North-South midsection line of said Section 35 to the center of said Section 35; thence Easterly along the East-West midsection line of said Section 35 to the East line of said Section 35; thence Northerly along the East line of said Section 35 and the East line of Section 26, T.13S., R.12E., to the Northeast corner of said Section 26 and the Southwest corner of Section 24, T.13S., R.12E.,; thence Easterly along the South line of said Section 24, to the Southeast corner of said Section 24; thence Northerly along the East line of said Section 24 to the West quarter corner of Section 19, T.13S., R.13E.; thence Easterly along the East-West midsection line of said Section 19 to the center of said Section 19; thence Northerly along the North-South midsection line of said Section 19 to the North line of said Section 19; thence Easterly along the South line of Section 18, T.13S., R.13E., and the South line of Section 17, T.13S., R.13E., to the Southeast corner of said Section 17; thence Northerly along the West line of

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Section 16, T.13S., R.13E., to the Northwest corner of said Section 16; thence Westerly along the South line of Section 8, T.13S.,R.13E., to the Southwest corner of said Section 8; thence Northerly along the West line of said Section 8 to the Northwest corner of said Section 8; thence Easterly along the North line of said Section 8 to the Northeast corner of said Section 8; thence Northerly along the West line of Section 4, T.13S., R13E., to the Northwest corner of said Section 4; thence Easterly along the North line of said Section 4 to the Southwest corner of Section 33, T.12S., R.13E., thence Northerly along the West line of said Section 33 to the intersection with the Southwesterly boundary of the Third Lift Canal of the Firebaugh Canal Water District; thence Easterly and Southerly along said Southwesterly boundary of the Third Lift Canal through Sections 33, 34, and 35, T.12S., R.13E., Sections 2, 1, and 12, T.13S., R.13E., Sections 7, 8, 17, 16, 21, 22, 27, 34, and 35, T.13S., R.14E., to the intersection with the Southeasterly boundary of the Main Lift Canal of the Firebaugh Canal Water District; thence Northeasterly along the Southeasterly boundary of the Firebaugh Main Lift Canal, through Sections 35, 26 and 25, T.13S., R.14E., to the centerline of Dos Palos Avenue; thence Southeasterly along the centerline of Dos Palos Avenue, to the North line of Section 36, T.13S., R.14E., thence Westerly along the North line of said Section 36, to the Northeast corner of the West 1/2 of the East 1/2 of said Section 36; thence Southerly along the East line of said West 1/2 of the East 1/2 of Section 36 to the Southeast corner of said West 1/2 of the East 1/2 of Section 36; thence Easterly along the North line of Section 1, T.14S., R.14E., to the Northeast corner of said Section 1; thence Southerly along the East lines of Sections 1 and 12 T.14S., R.14E., to the Southeast corner of said Section 12 and the Northwest corner of Section 18, T.14S., R.15E.; thence Easterly along the North lines of said Section 18 and Section 17, T.14S., R.15E., to the Northeast corner of said Section 17; thence South along the East line of said Section 17 and the East lines of Sections 20 and 29, T.14S., R.15E., to the Northeasterly right-of-way line of a County Road running in a Northwesterly and Southeasterly direction through Sections 28, 29, and 33, being more particularly described in that certain grant right-of-way from Miller and Lux, incorporated to the County of Fresno, dated the 14th day of November, 1930 and recorded in the office of the County Recorder of the said County of Fresno on the 4th day of April, 1932 in Book 1210 of the official Records, at page 151 thereof, all in T.14S., R.15E., according to the United States Government Township Plats; thence Southeasterly along the Northeasterly right-of-way line of said County Road to the South line of Section 33, T.14S., R.15E., thence Easterly along the South lines of said Section 33 and 34, T.14S., R.15E.,to the Southeast corner of said Section 34; thence Southerly along the East line of Section 3 and 10, T.15S., R.15E., to the quarter corner between Sections 10 and 11, T.15S., R.15E.; thence Easterly to the midsection point of said Section 11; thence South to the quarter corner between Sections 11 and 14, T.15S., R.15E.; thence Easterly along the South line of said Section 11 to a point 1544.6 feet West of the Southeast corner of said Section 11; thence South 46°55' East 2114.8 feet to a point on the East line of Section 14, T.15S., R.15E., 1444.5 feet South of the Northeast corner of said Section 14; thence Southerly along the West line of Section 13, T.15S., R.15E., 3856.3 feet to the Southwest corner of said Section 13; thence East 3951.9 feet to the Northwest corner of the East 1/2 of the Northeast 1/4 of Section 24, T.15S., R.15E.; thence South 26° 35' East 2968.8 feet to the quarter corner on the East side of said Section 24,; thence South along the West line of the Southwest 1/4 of Section 19, T.15S., R.16E., 2660.6 feet to the Southwest corner of said Section 19; thence South 45° 00' East 7536.0 feet to the Southeast corner of Section 30, T.15S., R.16E., and the Northwest corner of Section 32 T.15S., R.16E.; thence South along the West line of said Section 32, 5343.62 feet to the Southwest corner of said Section 12; thence

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Easterly along the South line of said Section 32, 5275.6 feet to the Southeast corner of said Section 12, and the Northwest corner of Section 4, T.16S., R.16E.; thence Easterly along the North line of said Section 4 to its intersection with the Southerly right-of- way line of the Beta Main Canal as surveyed and recorded in Record of Survey, Book 9, Pages 55 and 56, County of Fresno; thence Easterly and Southerly along the Southerly right-of-way line of the Beta Main Canal as surveyed and recorded in Record of Survey, Book 9, pages 65 and 66, County of Fresno to its point of intersection with the East line of the Southwest 1/4 of Section 3, T.16S., R.16E., as surveyed and recorded in said Record of Survey, Book 9, pages 55 and 56; thence Southerly along the East line of the Southwest 1/4 of said Section 3 to the South quarter corner of said Section 3; thence Easterly along the South line of said Section 3 to the Southeast corner of said Section 3, and the Northeast corner of Section 10, T.16S., R.16E.; thence Southerly along the East line of said Section 10 to the Northwest corner of Section 14, T.16S., R.16E.; thence Easterly along the North line of said Section 14 to the Northeast corner of said Section 14; thence Southerly along the East line of Section 14 to the Northwest corner of Section 24, T.16S., R.16E.; thence Easterly along the North line of said Section 24 to the Northeast corner of said Section 24; thence Southerly along the East lines of said Section 24 and Section 25, T.16S., R.16E., to the Northwest corner of Section 31, T. 16S., R. 17E.; thence Easterly along the North line of said Section 31 to the Southwest corner of Section 29, T.16S., R.17E.; thence Northerly along the West line of said Section 29 and the West line of Section 20, T.16S., R.17E., to the Northwest corner of said Section 20; thence Easterly along the North line of said Section 20 and the North line of Section 21, T.16S., R.17E., to the point of intersection of said Section line and the United States Swamp and Overflow meander line; thence Southerly and Easterly along said Swamp and Overflow meander line to the intersection of said meander line and the North line of Lot 2 of Helm Company Subdivision of Swamp and Overflow lands shown on map recorded in Book 3, Page 34 of Records of Survey, Fresno County Records; thence Easterly along the North line of said Lot 2 to the East Section line of said Section 21; thence South along the East line of said Section 21 to the Southeast corner of said Section 21; thence Southerly two miles to the Southwest corner of Section 34, T.16S., R.17E.; thence into T.17S., R.17E., Westerly along the North line of Section 3, T.17S., R.17E., to the Northwest corner of said Section 3; thence Southerly along West lines of Sections 3 and 10, T.17S., R.17E., to the West quarter corner of said Section 10; thence Easterly along the North line of the South 1/2 of said Section 10 to the East quarter-corner of said Section 10; thence Southerly along the East line of said Section 10 to the Southwest corner of Section 11, T.17S., R.17E.; thence Easterly along the South line of said Section 11 to the Southeast corner of said Section 11; thence Southerly along the East line of Section 14, T.17S., R.17E.; to the Southeast corner of said Section 14; thence Westerly along the South line of said Section 14 to the Northeast corner of Section 22, T.17S., R.17E.; thence Southerly along the East line of said Section 22 to a point which is 547.42 feet North of the Southeast corner of said Section 22; thence Easterly along and on a line parallel to the North line of Section 26, T.17S., R.17E., into Section 23, T.17S., R.17E., a distance of 547.42 feet; thence Southerly along and on a line parallel to the East line of said Section 22 a distance of 547.42 feet to the North line of said Section 26; thence Easterly along the North lines of said Sections 26 and 25, T.17S., R.17E., and into T.17S., R.18E., along the North lines of Sections 30 and 29 to the Northeast corner of said Section 29; thence Southerly along the section line to the West quarter corner of Section 28, T.17S., R.18E.; thence East along the North line of the Southwest 1/4 of said Section 28 to the center of said Section 28; thence Southerly along the East line of the Southwest 1/4 of said Section 28 to the South quarter corner of said Section 28; thence Easterly along the North line

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of Sections 33 and 34, T.17S., R.18E., to the North quarter corner of said Section 34; thence Southerly along the East line of the Northwest 1/4 of said Section 34 to the center of said Section 34; thence Easterly along the North line of the Southeast 1/4 of said Section 34 to the East quarter corner of said Section 34; thence Southerly along the East line of said Section 34 to the Southeast corner of said Section 34; thence Westerly along the South line of said Section 34 to the Southwest corner of said Section 34; thence into T.18S., R.18E., Southerly along the East line of Section 4, T.18S., R.18E., to the Southeast corner of said Section 4; thence Westerly along the South line of said Section 4 to the South quarter corner of said Section 4; thence Southerly along the East line of the West 1/2 of Section 9, T.18S., R.18E., to the South quarter corner of said Section 9; thence Easterly along the South line of Sections 9 and 10, T.18S., R.18E., to the South quarter corner of said Section 10; thence Northerly along the West line of the East 1/2 of said Section 10 to the North quarter corner of said Section 10; thence Easterly along the North line of said Section 10 to the Northeast corner of said Section 10; thence Northerly along the West line of Section 2, T.18S., R.18E., to the West quarter corner of said Section 2; thence Easterly along the North line of the Southwest 1/4 of said Section 2 to the center of said Section 2; thence Southerly along the East line of the Southwest 1/4 of said Section 2 to the South quarter corner of said Section 2; thence East along the North lines of Sections 2 and 1, T.18S., R.18E., to the Southeast corner of said Section 1; thence into T.18S., R.19E., to the Northwest corner of Section 7, T.18S., R.19E.; thence Southerly along the West line of said Section 7 to the Southwest corner of said Section 7; thence Easterly along the South line of said Section 7 to the Southeast corner of said Section 7; thence Southerly along the West line of Section 17, T.18S., R.19E., to the Southwest corner of said Section 17; thence Easterly along the South line of said Section 17, to the Southeast corner of said Section 17; thence Southerly along the West line of Section 21, T.18S., R.19E., to the Southwest corner of said Section 21; thence Easterly along the South line of said Section 21 to the point of intersection of said South line and the Government Swamp and Overflow Meander Line; thence Southeasterly along the Government Swamp and Overflow Meander Line through Section 28, T.18S., R.19E., to the intersection of said Meander Line and the East line of said Section 28; thence Southerly along said East line and the West line of Section 34, T.18S., R.19E., to the Southwest corner of said Section 34; thence into T.19S., R.19E., to the Northwest corner of Section 3, T.19S., R.19E.; thence Southerly along the West line of said Section 3 to the Southwest corner of said Section 3; thence Easterly along the South line of said Section 3 to the Southeast corner of said Section 3; thence Easterly along the South line of Section 2, T.19S., R.19E., to the Southwest corner of the Southeast 1/4 of the Southeast 1/4 of said Section 2; thence Southerly to the Southwest corner of the Southeast 1/4 of the Northeast 1/4 of Section 11, T.19S., R.19E.; thence Southerly along the West line of the East 1/2 of the Southeast 1/4 of said Section 11, to the Southern Pacific Company Railroad line; thence Southeasterly to the Southeast corner of said Section 11; thence South along the West lines of Sections 13, 24, and 25, T.19S.,R.19E., to the West quarter corner of said Section 25; thence Westerly along the East and West centerline of Section 26, T.19S., R.19E., a distance of 528 feet to a point on the westerly line of the Empire Ranch as recorded in Book 1, pages 91 and 92 of Licensed Surveyor's Plats, County of Kings, State of California; thence along the Westerly line of the Empire Ranch as shown on said Map South 24-3/4° West 2843.28 feet to a point; thence South 14-1/4° West 2447.28 feet to a point; thence South 13-3/4° West 3036 feet to a point on the South section line of Section 35, T.19S., R.19E., designated Government Meander corner on the said Map of the Empire Ranch; thence East along the South line of said Section 35 a distance of 2904 feet to the

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Southeast corner of said Section 35; thence Southerly 10,723.7 feet along the West lines of Sections 1 and 12, T.20S., R.19E., also being along the West bank of the Empire West Side Irrigation District's Upper Ditch to the Southwest corner of said Section 12; thence Westerly to the Northeast corner of the West 1/2 of the East 1/2 of Section 14, T.20S., R.19E.; thence Southerly along the East line of the West 1/2 of the East 1/2 of Sections 14 and 23, T.20S., R.19E., to the Southeast corner of the West 1/2 of the East 1/2 of said Section 23; thence Westerly along the South line of said Section 23 to the North quarter corner of Section 26, T.20S., R.19E.; thence Southerly along the East lines of the West 1/2 of Sections 26 and 35, T. 20S., R. 19E., to the center of said Section 35; thence Westerly 1320 feet to the Northwest corner of the Northeast 1/4 of the Southwest 1/4 of Section 35, T.20S., R.19E., thence Southerly 2681 feet to the Southwest corner of the Southeast 1/4 of the Southwest 1/4 of said Section 35, also being the Southwest corner of Lot 9 of said Section 35; thence Westerly along the North line of Section 2, T.21S., R.19E., and the North line of Section 3, T.21S., R.19E., to the intersection of the Swamp and Overflow Survey line with the North line of said Section 3; thence Southerly and Southwesterly along said Swamp and Overflow Survey line through said Section 3 and through Sections 10 and 16, T.21S., R.19E., to the South 1/4 corner of said Section 16, last said quarter corner being a point on the meander line of Tulare Lake as established by the United States Surveyor General of California in the year 1855; thence along said meander line South 31° 10' West 77.10 chains, South 35° 45' West 17.12 chains, South 39° 30' West 72.00 chains, South 9°30' West 25.00 chains, South 44° 35' West 28.30 chains and South 28° West 68.15 chains to a point on the Southern line of Section 31, T.21S., R.19E., last said point being distant South 89° 26' East 48.00 chains from the Southwest corner of said Section 31; thence, leaving said meander line, and along the line between T.21S., R.19E., and T.22S., R.19E., North 89° 26' West 8.06 chains to the North quarter corner of Section 6, T.22S., R.19E.; thence South along the line dividing the East 1/2 and the West 1/2 of said Section 6 to the South quarter section corner of said Section 6; thence West along the South line of said Section 6 to the Northeast corner of Section 12, T.22S., R.18E.; thence Southerly along the East line of said Section 12 and the East line of Section 13, T.22S., R.18E., to the Southeast corner of said Section 13; thence Westerly along the South line of said Section 13 to the Southwest corner of said Section 13; thence North along the West line of said Section 13 to the East quarter corner of Section 14, T.22S., R.18E.; thence Westerly along the South line of the North 1/2 of said Section 14 to the West quarter corner of said Section 14; thence Northerly along the West line of said Section 14 and along the West line of Section 11, T.22S., R.18E., to the East quarter corner of Section 10, T.22S., R.18E.; thence Westerly along the South line of the North 1/2 of said Section 10 to the West quarter corner of said Section 10; thence Northerly along the West line of said Section 10 to the Southeast corner of Section 4, T.22S., R.18E.; thence Westerly along the South line of said Section 4 to the intersection with the Northeasterly right-of-way line of the Interstate 5; thence Northwesterly along the said right-of-way line to the West line of said Section 4; thence Northerly along the West line of said Section 4 to the West quarter corner of said Section 4; thence Westerly along the South line of the Northeast 1/4 of said Section 5, T.22S., R.18E., to the center of said Section 5; thence Northerly along the West line of the Northeast 1/4 of said Section 5 to the North quarter corner of said Section 5; thence Westerly along the North line of T.22S., and the South line of T.21S., to the South quarter-corner of Section 31, T.21S., R.18E.; thence Northerly along the West line of the Southeast 1/4 of said Section 31 to the center of said Section 31; thence Westerly along the South line of the Northwest 1/4 of said Section 31 to the West quarter corner of said Section 31; thence Northerly along the West line of said Section 31 to the Southeast corner of

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Section 25, T.21S., R.17E.; thence Westerly along the South line of said Section 25 to the South quarter corner of said Section 25; thence Northerly along the West line of the Southeast 1/4 of said Section 25 to the center of said Section 25; thence Westerly along the South line of the Northwest 1/4 of said Section 25 to the West quarter corner of said Section 25; thence Westerly along the North line of the Southeast 1/4 of Section 26, T.21S., R.17E., to the Southwesterly right-of-way line of Interstate 5; thence Southeasterly along said Southwesterly right-of-way line to the East line of said Section 26; thence Southerly along the East line of said Section 26 to the Southeast corner of the North 1/2 of the Southeast 1/4 of said Section 26; thence Westerly along the South line of the North 1/2 of the Southeast 1/4 of said Section 26 to the Southwest corner of the North 1/2 of the Southeast 1/4 of said Section 26; thence Northerly along the West line of the East 1/2 of said Section 26 and along the West line of the Southeast 1/4 of Section 23, T.21S., R.17E., to the center corner of said Section 23; thence Westerly along the South line of the Northwest 1/4 of said Section 23 to the West quarter corner of said Section 23; thence Southerly along the East line of Section 22, T.21S., R.17E., to the Southeast corner of said Section 22; thence Westerly along the South line of said Section 22 to the South quarter corner of said Section 22; thence Northerly along the West line of the Southeast 1/4 of said Section 22 to the center of said Section 22; thence Westerly along the South line of the Northwest 1/4 of said Section 22 to the West quarter corner of said Section 22; thence Northerly along the West line of said Section 22 to the Northwest corner of the South 1/2 of the Northwest 1/4 of said Section 22; thence Easterly along the North line of the South 1/2 of the Northwest 1/4 of said Section 22 to the Southwest corner of Lot 71 of Kettleman Oil Acres in the North 1/2 of the Northwest 1/4 of said Section 22; thence Northerly along the West line of said Lot 71 and the West line of Lot 76 of Kettleman Oil Acres to the Northwest corner of said Lot 76; thence Easterly along the North line of said Section 22 to the South quarter corner of Section 15, T.21S., R.17E.; thence Northerly along the West line of the Southeast 1/4 of said Section 15 to the center of said Section 15; thence Westerly along the South line of the Northwest quarter of said Section 15 to the East quarter corner of Section 16, T.21S., R.17E.; thence Southerly along the East line of said Section 16 to the Northeast corner of Kettleman Oil Acres No. 3 as recorded in Fresno County Plats, Book 11, Page 20; thence Westerly along the North line of said Kettleman Oil Acres No. 3 to the Northwest corner of said Kettleman Oil Acres No. 3; thence Southerly along the West line of said Kettleman Oil Acres No. 3 to the Southwest corner of said Kettleman Oil Acres No. 3; thence Westerly along the South line of said Section 16 to the South quarter corner of said Section 16; thence Northerly along the West line of the Southeast quarter of said Section 16; to the Southeast corner of the North 1/2 of the Southwest 1/4 of said Section 16; thence Westerly along the South line of said North 1/2 of the Southwest 1/4 of Section 16 to the Southwest corner of the North 1/2 of the Southwest 1/4 of said section; thence Northerly along the West line of said Section 16 to the Southeast corner of Section 8, T.21S., R.17E.; thence Westerly along the South line of said Section 8 to the Southwest corner of said Section 8; thence Southerly along the East line of Section 18, T.21S., R.17E., to the Southeast corner of the North 1/2 of the Southeast 1/4 of said Section 18; thence Westerly along the South line of the North 1/2 of the Southeast 1/4 of said Section 18 to the Southwest corner of the North 1/2 of the Southeast 1/4 of said Section 18; thence Northerly along the West line of the Southeast 1/4 of said Section 18 to the center of said Section 18; thence Westerly along the South line of the Northwest 1/4 of said Section 18 to the West quarter corner of said Section 18; thence along the West line of R.17E., and the East line of R.16E., to the East quarter corner of Section 13, T.21S., R.16E.; thence Westerly along the South line of the Northeast 1/4 of said Section 13 to the center of

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said Section 13; thence Southerly along the East line of the Southwest 1/4 of said Section 13 to the South quarter corner of said Section 13; thence Westerly along the South line of said Section 13 and the South line of Section 14, T.21S., R.16E., to the Southwest corner of said Section 14; thence Northerly along the West line of said Section 14 and the West line of Section 11, T.21S., R.16E., to the West quarter corner of said Section 11; thence Easterly along the North line of the South 1/2 of said Section 11 to the East quarter corner of said Section 11; thence Northerly along the West line of Section 12, T.21S., R.16E., to the Southeast corner of Section 2, T.21S., R.16E.; thence Westerly along the South line of said Section 2 to the South quarter corner of said Section 2; thence Northerly along the West line of the Southeast 1/4 of said Section 2 to the Northwest corner of the Southwest 1/4 of the Southeast 1/4 of said Section 2; thence Easterly along the North line of the Southwest 1/4 of the Southeast 1/4 of said Section 2 to the Northeast corner of the Southwest 1/4 of the Southeast 1/4 of said Section 2; thence Northerly along the West line of the Northeast 1/4 of the Southeast 1/4 of said Section 2 to the Northwest corner of the Northeast 1/4 of the Southeast 1/4 of said Section 2; thence Easterly along the North line of the Southeast 1/4 of said Section 2 and the North line of the Southwest 1/4 of Section 1, T.21S., R.16E., to the center of said Section 1; thence Northerly along the West line of the East 1/2 of said Section 1 to the North quarter corner of said Section 1; thence along the South line of T.20S., and the North line of T.21S., to the Southwest corner of Section 36, T.20S., R.16E.; thence Northerly along the West line of said Section 36 to the East quarter corner of Section 35, T.20S., R.16E.; thence Westerly along the South line of the Northeast 1/4 of said Section 35 to the center of said Section 35; thence Northerly along the West line of the Northeast 1/4 of said Section 35 to the Southeast corner of the Southwest 1/4 of Section 26, T.20S., R.16E., thence Westerly along the South line of said Section 26 to the Southwest corner of said Section 26, thence Northerly along the West line of said Section 26 to the Southeast corner of Section 22, T.20S., R.16E.; thence Westerly along the South line of said Section 22 to the Northeast corner of Section 28, T.20S., R.16E.; thence Southerly along the East line of said Section 28 to the Southeast corner of the Northeast 1/4 of the Northeast quarter of the Northeast 1/4 of said Section 28; thence Westerly along the South line of the Northeast 1/4 of the Northeast 1/4 of said Section 28 to the Southwest corner thereof; thence Southerly along the East line of the West 1/2 of the East 1/2 of said Section 28 to the Southeast corner of the Northwest 1/4 of the Southeast 1/4 of said Section 28; thence Westerly along the South line of the Northwest 1/4 of the Southeast 1/4 of said Section 28 to the southwest corner thereof; thence Southerly along the East line of the Southwest 1/4 of said Section 28 to the South quarter corner of said Section 28; thence Westerly along the South line of said Section 28 and the North line of Section 32, T. 20S., R. 16E., to the Northeast corner of the Northwest 1/4 of the Northeast 1/4 of said Section 32; thence Southerly along the East line of the Northwest 1/4 of the Northeast 1/4 of said Section 28 to the Southeast corner thereof; thence Westerly along the South line of the North 1/2 of the North 1/2 of said Section 32 to the Northeast corner of the Southwest 1/4 of the Northwest 1/4 of said Section 32; thence Southerly along the East line of the Southwest 1/4 of the Northwest 1/4 of said Section 32 to the Southeast corner thereof; thence Westerly along the South line of the Northwest 1/4 of said Section 32 to the West quarter corner of said Section 32; thence Northerly along the West line of said Section 32 to the Southeast corner of Section 30, T.20S., R.16E.; thence Westerly along the South line of said Section 30 to the Southwest corner of said Section 30; thence Northerly along the West line of said Section 30 and the West line of Section 19, T.20S., R.16E., to the West quarter corner of said Section 19; thence Easterly along the North line of the South 1/2 of said Section 19 to the West quarter corner of

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Section 20, T.20S., R.16E.; thence Northerly along the West line of said Section 20 to the Northwest corner of said Section 20; thence Easterly along the North line of said Section 20 to the Northeast corner of the Northwest 1/4 of the Northwest 1/4 of said Section 20; thence Southerly along the East line of the Northwest 1/4 of the Northwest 1/4 of said Section 20 to the Southeast corner thereof; thence Easterly along the North line of the South 1/2 of the North 1/2 of said Section 20 to the Southwest corner of the Northeast 1/4 of the Northeast 1/4 of said Section 20; thence Northerly along the West line of the Northeast 1/4 of the Northeast 1/4 of said Section 20 to the Northwest corner thereof; thence Easterly along the North line of said Section 20 and the North line of Section 21, T.20S., R.16E., to the Southwest corner of Section 15, T.20S., R.16E.; thence Northerly along the West line of said Section 15 to the Southeast corner of Section 9, T.20S., R.16E.; thence Westerly along the South line of said Section 9 to the Southwest corner of said Section 9; thence Northerly along the West line of said Section 9 to the West quarter corner of said Section 9; thence Westerly along the South line of the Northeast 1/4 of Section 8, T.20S., R.16E., to the center quarter corner of said Section 8; thence Northerly along the West line of the Northeast quarter of said Section 8 to the South quarter corner of Section 5, T.20S., R.16E.; thence Westerly along the South line of said Section 5 to the Southwest corner of said Section 5; thence Northerly along the West line of said Section 5 to the Northwest corner of said Section 5; thence along the North line of T.20S., and the South line of T.19S., to the Southwest corner of Section 32, T.19S., R.16E.; thence Northerly along the West line of said Section 32 to the Southeast corner of Section 30, T.19S., R.16E.; thence Westerly along the South line of said Section 30 to the Southwest corner of the Southeast 1/4 of the Southeast 1/4 of said Section 30; thence Northerly along the West line of the Southeast 1/4 of the Southeast 1/4 of said Section 30 to the Northwest corner of the Southeast 1/4 of the Southeast 1/4 of said Section 30; thence Westerly along the South line of the Northwest 1/4 of the Southeast 1/4 of said Section 30 to the Southwest corner of the Northwest 1/4 of the Southeast 1/4 of said Section 30; thence Northerly along the West line of the East 1/2 of said Section 30 to the Southwest corner of the North 1/2 of the North 1/2 of the Northeast 1/4 of said Section 30; thence Easterly along the South line of the North 1/2 of the North 1/2 of the Northeast 1/4 of said Section 30 to the Southeast corner of the North 1/2 of the North 1/2 of the Northeast 1/4 of said Section 30; thence Northerly along the East line of said Section 30 to the Northwest corner of Section 29, T.19S., R.16E.; thence Easterly along the North line of said Section 29 to the South quarter corner of Section 20, T.19S., R.16E.; thence Northerly along the West line of the East 1/2 of said Section 20 to the North quarter corner of said Section 20, thence Easterly along the North line of said Section 20 to the Southwest corner of Section 16, T.19S., R.16E.; thence Northerly along the West line of said Section 16 to the East quarter corner of Section 17, T.19S., R.16E.; thence Westerly along the South line of the North 1/2 of said Section 17 to the West quarter corner of said Section 17; thence Northerly along the West line of said Section 17 and along the West line of Section 8, T.19S., R.16E., to the Southeast corner of Section 6, T.19S., R.16E.; thence Westerly along the South line of said Section 6 to the South quarter corner of said Section 6; thence Northerly along the West line of the East 1/2 of said Section 6 to the North quarter corner of said Section 6; thence along the North line of T.19S., and the South line of T.18S., to the Southwest corner of Section 31, T.18S., R.16E.; thence Northerly along the West line of said Section 31 to the Northwest corner of said Section 31 and the Southeast corner of Section 25, T.18S., R.15E.; thence Westerly along the South line of said Section 25 to a point on the Northeasterly right-of-way line of Interstate 5; thence Northwesterly along said Northeasterly right-of-way line to a point on the West line of said Section 25; thence Northerly along

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the West line of said Section 25 to the Southeast corner of Section 23, T.18S., R.15E.; thence Westerly along the South line of said Section 23 to the South quarter corner of said Section 23; thence Northerly along the West line of the Southeast 1/4 of said Section 23 to the center of said Section 23; thence Westerly along the South line of the Northwest 1/4 of said Section 23 to the East quarter corner of Section 22, T.18S., R.15E.; thence Westerly along the South line of the North 1/2 of said Section 22 to the West quarter corner of said Section 22; thence Northerly along the West line of said Section 22 to the Southeast corner of Section 16, T.18S., R.15E.; thence Westerly along the South line of said Section 16 to the South quarter corner of said Section 16; thence Northerly along the West line of the Southeast 1/4 of said Section 16 to the center of said Section 16; thence Westerly along the South line of the Northwest 1/4 of said Section 16 to the West quarter corner of said Section 16; thence Northerly along the West line of said Section 16 to the Southeast corner of Section 8, T.18S., R.15E.; thence Westerly along the South line of said Section 8 to the South quarter corner of said Section 8; thence Northerly along the West line of the Southeast 1/4 of said Section 8 to the center of said Section 8; thence Westerly along the South line of the Northwest 1/4 of said Section 8 to the West quarter corner of said Section 8; thence Northerly along the West line of said Section 8 to the Southeast corner of Section 6, T.18S., R.15E.; thence Westerly along the South line of said Section 6 to the South quarter corner of said Section 6; thence Northerly along the West line of the Southeast 1/4 of said Section 6 to the center of said Section 6; thence Westerly along the South line of the Northwest 1/4 of said Section 6 to the West quarter corner of said Section 6; thence Northerly along the West line of said Section 6 to the Northwest corner of said Section 6; thence Northerly along the West line of R.15E.; and the East line of R.14E.; to the Southeast corner of Section 25, T.17S., R.14E.; thence Westerly along the South line of said Section 25 to the Southwest corner of said Section 25; thence Northerly along the West line of Sections 25 and 24, T.17S., R.14E., to the East quarter corner of Section 23, T.17S., R.14E.; thence Westerly along the South line of the Northeast 1/4 of said Section 23 to the center of said Section 23; thence Northerly along the West line of the Northeast 1/4 of said Section 23 and along the West line of the East 1/2 of Section 14, T.17S., R.14E., and along the West line of the Southeast 1/4 of Section 11, T.17S., R.14E., to the center of said Section 11; thence Westerly along the South line of the Northwest 1/4 of said Section 11 to the West quarter corner of said Section 11; thence Northerly along the West line of said Section 11 and along the West line of Section 2, T.17S., R.14E., to the East quarter corner of Section 3, T.17S., R.14E.; thence Westerly along the South line of the Northeast 1/4 of said Section 3 to the center of said Section 3; thence Northerly along the West line of the Northeast 1/4 of said Section 3 to the North quarter corner of said Section 3; thence Westerly along the North line of T.17S., and the South line of T.16S., to the Southwest corner of Section 34, T.16S., R.14E.; thence Northerly along the West line of said Section 34 to the East quarter corner of Section 33, T.16S., R.14E.; thence Westerly along the South line of the Northeast 1/4 of said Section 33 to the center of said Section 33; thence Northerly along the West line of the Northeast 1/4 of said Section 33 to the South quarter corner of Section 28, T.16S., R.14E.; thence Westerly along the South line of said Section 28 to the intersection with the Northeasterly right-of-way line of Interstate 5; thence Northwesterly along said Northeasterly right-of-way line to the West line of said Section 28; thence Northerly along said West line to the Southeast corner of Section 20; T.16S., R.14E.; thence Westerly along the South line of said Section 20 to the South quarter corner of said Section 20; thence Northerly along the West line of the Southeast 1/4 of said Section 20 to the center of said Section 20; thence Westerly along the South line of the Northwest 1/4 of said Section 20 to the West quarter corner of said Section

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20; thence Northerly along the West line of said Section 20 to the Southeast corner of Section 18, T.16S., R.14E.; thence Westerly along the South line of said Section 18 to the Southwest corner of said Section 18; thence Northerly along the West line of said Section 18 to the West quarter corner of said Section 18; thence Northerly along the East line of R.13E., and the West line of R.14E., to the East quarter corner of Section 13, T.16S., R.13E.; thence Westerly along the South line of the North 1/2 of said Section 13 to the West quarter corner of said Section 13; thence Northerly along the West line of said Section 13 and along the West line of Section 12, T.16S., R.13E., to the East quarter corner of Section 11, T.16S., R.13E.; thence Westerly along the South line of the North 1/2 of said Section 11 to the West quarter corner of said Section 11; thence Northerly along the West line of said Section 11 to the Southeast corner of Section 3, T.16S., R.13E.; thence Westerly along the South line of said Section 3 to the South quarter corner of said Section 3; thence Northerly along the West line of the Southeast 1/4 of said Section 3 to the Southeast corner of the North 1/2 of the Southwest 1/4 of said Section 3; thence Westerly along the South line of the North 1/2 of the Southwest 1/4 of said Section 3 to the Southwest corner of the North 1/2 of the Southwest 1/4 of said Section 3; thence Northerly along the West line of said Section 3 to the West quarter corner of said Section 3; thence Westerly along the South line of the North 1/2 of Section 4, T.16S., R.13E., to the West quarter corner of said Section 4; thence Northerly along the West line of said Section 4 to the Northwest corner of said Section 4; thence along the North line of T.16S., and the South line of T.15S., to the Southeast corner of Section 32, T.15S., R.13E.; thence Westerly along the South line of said Section 32, and the South line of Section 31, T.15S., R.13E., to the South quarter corner of said Section 31; thence Northerly along the West line of the Southeast 1/4 of said Section 31 to the Center quarter corner of said Section 31; thence Westerly along the South line of the Northwest 1/4 of said Section 31 to the West quarter corner of said Section 31; thence continuing Westerly along the South line of the Northeast 1/4 of Section 36, T.15S., R.12E., to the Center quarter corner of said Section 36; thence Northerly along the West line of the Northeast 1/4 of said Section 36 to the North quarter corner of said Section 36; thence Westerly along the South line of Section 25, T.15S., R.12E., to the Southwest corner of said Section 25; thence Northerly along the West line of said Section 25 to the Southeast corner of Section 23, T.15S., R.12E.; thence Westerly along the South line of said Section 23 to the South quarter corner of said Section 23; thence Northerly along the West line of the East 1/2 of said Section 23 and along the West line of the Southeast 1/4 of Section 14, T.15S., R.12E., to the center of said Section 14; thence Westerly along the South line of the Northwest 1/4 of said Section 14, and along the South line of the North 1/2 of Section 15, T.15S., R.12E., to the West quarter corner of said Section 15; thence Northerly along the West line of said Section 15 to the Southeast corner of Section 9, T.15S., R.12E.; thence Westerly along the South line of said Section 9 to the South quarter corner of said Section 9; thence Northerly along the West line of the East 1/2 of said Section 9 to the South line of Section 4, T.15S., R.12E.; thence West along the South line of said Section 4 to the Southwest corner of said Section 4; thence North along the West line of said Section 4 to the Southeast corner of Lot 9 in Fractional Section 5, T. 15S., R. 12E., according to the United States Government Township Plats thereof; thence Westerly along the South line of said Lot 9 to the southwest corner of said Lot 9; thence Northerly along the West line of said Lot 9 to the Northwest corner of said Lot 9; thence Westerly along the South line of the North 1/2 of said Section 5 to the Southwest corner of the East 1/2 of the Northwest 1/4 of said Section 5; thence Northerly along the West line of the East 1/2 of the Northwest 1/4 of said Section 5 to the Northwest corner of the East 1/2 of the Northwest 1/4 of said Section 5; thence Westerly along the North line of

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T.15S., and the South line of T.14S., to the Southwest corner of Section 32, T.14S., R.12E.; thence Northerly along the West line of said Section 32 to the West quarter corner of said Section 32; thence Easterly along the North line of the Southwest 1/4 of said Section 32 to the Center quarter corner of said Section 32; thence Northerly along the West line of the East 1/2 of said Section 32 and along the West line of the East 1/2 of Section 29, T.14S., R.12E., to the North quarter corner of said Section 29; thence Easterly along the North line of said Section 29 to the Southwest corner of Section 21, T.14S., R.12E.; thence Northerly along the West line of said Section 21 to the Northwest corner of said Section 21, the point of beginning;

AND ADDITIONALLY the following described parcel:

1) All of the North 1/2 of the Northwest 1/4 of Lot 2 of Gould Ranch, City of Fresno, County of Fresno, State of California, according to the map thereof recorded in Book 2, Page 21 of Plats, in the office of the County Recorder of said County, being a portion of the Northeast 1/4 of Section 27, T.13S., R.20E., and further identified as Fresno County Assessor's Parcel No. 445-051-01, more particularly described as follows: Beginning at the intersection of the South line of the Herndon Canal with the East line of North Fresno Street; thence Easterly along the South line of the Herndon Canal approximately 618 feet to the Northwest corner of Gould Manor Tract No. 1211, according to the map thereof recorded in Book 15 of Plats at Page 57, Fresno County Records; thence Southerly along the West line of said Gould Manor Tract No. 1211 approximately 223.5 feet to the southeast corner of the North 1/2 of the Northwest 1/4 of Lot 2 of Gould Ranch according to the map thereof recorded in Book 2 of Plats at Page 21, Fresno County Records; thence Westerly along the South line of the North half of the Northwest quarter of said Lot 2, approximately 618 feet to a point in the East line of North Fresno Street thence Northerly along last said East line, approximately 230 feet to the point of beginning.

AND EXCEPTING THEREFROM the following described parcels:

1) Commencing at the North quarter corner of Section 11, T.20S., R. 7E.; thence South one mile to the South quarter corner of said Section 11; thence West one mile to the South quarter corner of Section 10, T.20S., R.17E.; thence North one-half mile to the center of said Section 10; thence East to a point on the East and West Center line of said Section 10, 417.42 feet West of the East line of said Section 10; thence North 834.84 feet to a point; thence East 417.42 feet to the East line of said Section 10; thence North to the Northeast corner of said Section 10; thence East one-half mile to the point of beginning.

2) All of the Southwest 1/4 of Section 4, T.20S., R.16E., all situated in the County of Fresno, State of California.

3) Beginning at the Southeast corner of said Section 25, T.13S., R.14E., said point being a point on the existing Boundary of the Westlands Water District; thence Westerly

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along the South line of said Section 25 to a point on the Center line of California State Highway 33; thence Northwesterly along the Center line of said Highway 33 to a point on the Center line of Bass Avenue; thence Northeasterly along the Center line of said Bass Avenue to a point of intersection of the Center line of said Bass Avenue with the Northwesterly extension of the Northeasterly line of Tract 3275; thence Southeasterly along the Northwesterly Extension of the Northeasterly line of said Tract 3275 and along the Northeasterly line of said Tract 3275 and along the Northeasterly line of Tract 3204 to a point on the South line of said Section 30, said point being a point on the existing boundary of the Westlands Water District; thence West along the South line of said Section 30 and along the existing boundary of the Westlands Water District to the point of beginning.

4) Beginning at the Southwest corner of Section 2, T.20S., R17E.; thence East along the South line of said Section 2, 540.00 feet to the TRUE POINT OF BEGINNING; thence North and parallel to the West line of said Section 2, 515.00 feet; thence East and parallel to the South line of said Section 2, 410.00 feet; thence South and parallel to the West line of said Section 2, 35.00 feet; thence East and parallel to the South line of said Section 2, 890.00 feet; thence South and parallel to the West line of said Section 2, 480.00 feet to a point on the South line of said Section 2; thence West along said south line of Section 2, 1300.00 feet to the TRUE POINT OF BEGINNING.

5) Beginning at the Northeast corner of Section 10, T.20S., R17E.; thence South along the East line of said Section 10, 1532.39 feet; thence West and parallel to the South line of the Northeast 1/4 of said Section 10, 997.42 feet; thence South and parallel to said East line of Section 10, 1106.72 feet to a point on the South line of the Northeast 1/4 of said Section 10; thence West along said South line of the Northeast 1/4 of Section 10, 329.58 feet to the Southwest corner of the East 1/2 of the Northeast 1/4 of said Section 10; thence North along the West line of said East 1/2 of the Northeast 1/4 of Section 10, 2640.56 feet to the Northwest corner of the East 1/2 of the Northeast 1/4 of said Section 10; thence East along the North line of said Section 10, 1326.40 feet to the point of beginning.

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
006 190 04S	27.20	Por Sec 35 12/13 S Third Lift Canal
006 200 17S	159.06	SE4 Sec 33 12/13
006 200 22S	208.74	Por Sec 34 12/13 S Third Lift Canal
006 200 23S	238.38	Frac'l W2 S of Canal Sec 34 12/13
006 200 33	29.39	S2 N2 & SW4 Sec 33 12/13
006 200 35	28.03	W3/4 N2 N2 SW4 Sec 33 12/13
006 200 37	22.83	W2 W2 S3/4 Sec 33 12/13
006 200 38	48.78	SE4 SW4 & SW4 NE4 SW4 Sec 33 12/13
006 200 42	47.50	E3/4 S2 S2 NW4 & E2 NE4 SW4 Sec 33 12/13
006 200 44	46.25	N2 S2 NW4 & SW4 SW4 NW4 Sec 33 12/13
006 200 47	79.65	S2 NE4 Sec 33 12/13
011 030 11S	290.89	N2 Sec 4 13/13
011 030 12S	295.30	S2 Sec 4 13/13
011 030 38S	311.06	E2 Sec 3 13/13
011 030 39S	308.21	W2 Sec 3 13/13
011 040 24S	75.66	E2 SE4 Sec 2 13/13
011 040 28S	20.16	Por SW4 W of Canal Sec 1 13/13
011 040 29S	27.52	Por SW4 W of Canal Sec 1 13/13
011 040 30S	159.00	NW4 Sec 2 13/13
011 040 31S	292.16	NE4 SW of Canal SW4 & W2 SE4 Sec 2 13/13
011 050 09S	156.30	NW4 Sec 8 13/13
011 050 13S	155.40	NE4 Sec 8 13/13
011 050 15S	148.81	SE4 Sec 8 13/13
011 050 19S	149.71	SW4 Sec 8 13/13 - Und 1/3 int
011 060 05S	310.66	N2 Sec 9 13/13
011 060 07S	307.92	N2 Sec 10 13/13
011 060 11S	300.12	S2 Sec 10 13/13
011 060 14S	304.72	S2 Sec 9 13/13
011 070 19S	552.77	Sec 12 13/13 SW of Canal
011 070 30S	282.85	Frac'l S2 Sec 11 13/13
011 070 31S	151.24	NW4 Sec 11 13/13
011 070 32S	111.27	W3/4 NE4 Sec 11 13/13
011 090 17S	152.90	NE4 Sec 15 13/13
011 090 21S	308.07	W2 Sec 15 13/13
011 090 23S	155.11	SE4 Sec 15 13/13
011 090 24S	307.31	N2 Sec 16 13/13
011 090 25S	301.11	S2 Sec 16 13/13
011 100 07S	306.33	S2 Sec 14 13/13
011 100 14S	153.09	NW4 Sec 13 13/13
011 100 15S	153.09	NE4 Sec 13 13/13
011 100 16S	153.09	SE4 Sec 13 13/13
011 100 17S	153.09	SW4 Sec 13 13/13
011 100 20S	1.01	NE cor NE4 Sec 14 13/13
011 100 23S	153.27	NE4 Sec 14 13/13
011 100 24S	154.29	NW4 Sec 14 13/13
011 130 17S	49.41	S 49.41 Ac NE4 Sec 24 13/13
011 130 18S	98.82	N 92.82 Ac NE4 Sec 24 13/13
011 160 16S	80.00	S2 NE4 Sec 25 13/13
011 160 17S	78.19	NE NE4 Sec 25 13/13

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
011 160 19S	50.00	NE4 SE4 & W2 NW4 SE4 Sec 25 13/13
012 050 16S	152.00	W 152 Ac SW of Canal Sec 7 13/14
012 050 18S	131.61	Sec 7 & 8 13/14 SW of Canal exc the W 152 Ac
012 080 08S	154.03	NW4 Sec 18 13/14
012 080 09S	157.25	NE4 Sec 18 13/14
012 080 10S	157.25	SE4 Sec 18 13/14
012 080 11	154.03	SW4 Sec 18 13/14
012 110 05S	155.54	NW4 Sec 19 13/14
012 110 08S	316.40	N2 Sec 20 13/14
012 110 09S	320.00	S2 Sec 20 13/14
012 110 22S	160.00	SE4 Sec 19 13/14
012 110 24S	118.67	E2 SW4 & SW4 SW4 Sec 19 13/14
012 110 25S	38.67	NW4 SW4 Sec 19 13/14
012 110 26S	54.82	N 54.82 Ac NE4 Sec 19 13/14
012 110 27S	103.36	S 103.36 Ac NE4 Sec 19 13/14
012 120 15S	476.02	Sec 21 13/14 W 3rd Lift Canal
012 150 07S	109.05	S2 S2 Sec 27 13/14 W 3rd Lift Canal
012 150 09S	155.56	NW4 & N2 S2 Sec 27 13/14 W 3rd Lift Canal
012 150 10S	318.17	N2 Sec 28 13/14
012 150 12S	108.88	W 108.88 ac. SW4 Sec 28 13/14
012 150 17S	210.84	E 2/3 S2 Sec 28 13/14
012 160 24S	6.36	SE diag of Sec 26 13/14
012 160 25S	128.58	Frac'l SE diag of Sec 25 13/14
012 180 05	33.54	NE-SW diag in Sec 34 13/14
012 180 10S	114.12	Center NW diag of Sec 34 13/14
012 180 12S	8.89	E-W strip in N2 of Sec 34 13/14
012 180 13S	239.36	Frac'l SE diag of Sec 34 13/14
012 180 14S	37.59	Frac'l SW4 of SW4 of Sec 34 13/14
012 180 17S	150.79	S 150.79 Ac N 200.74 Ac Sec 34 13/14 & Sec 35 13/14 W Canal Align
012 180 18S	49.95	Frac'l N 49.95 Ac of Sec 34 31/14
012 190 02S	246.02	Frac'l W2 of Sec 35 13/14
012 190 09	11.84	S2/3 of W2 of SW4 of SW4 of Sec 36 13/14
012 190 14S	77.50	W2 of SE4 of Sec 36 13/14
012 190 25S	306.78	W2 EX W2 SW4 SW4 Sec 36 13/14
012 190 26S	308.86	E2 Sec 35 13/14 S Intake Canal
019 040 05S	161.06	SE4 Sec 4 14/14
019 040 30S	152.03	SW4 Sec 4 14/14
019 050 55S	160.13	SE4 Sec 11 14/14
019 050 56S	469.69	N2 & SW4 Sec 11 14/14
019 050 61S	321.04	E2 Sec 10 14/14
019 110 03S	314.60	S2 Sec 14 14/14
019 110 04S	156.38	NW4 Sec 14 14/14
019 110 05S	156.38	NE4 Sec 14 14/14
019 110 06S	156.38	NW4 Sec 13 14/14
019 110 13S	472.70	S2 & NE4 Sec 13 14/14
019 110 15S	158.18	NE4 Sec 24 14/14
019 110 16S	156.38	SE4 Sec 24 14/14
019 110 19	158.18	NW4 Sec23 14/14
019 110 20	156.39	NE4 Sec 23 14/14

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
019 110 21	160.00	SW4 Sec 23 14/14
019 110 22	158.18	SE4 Sec 23 14/14
019 110 23	156.38	NW4 Sec 22 14/14
019 110 24	158.18	NE4 Sec 22 14/14
019 110 26	160.00	SE4 Sec 22 14/14
019 110 27S	158.32	NW4 Sec 24 14/14
019 110 28S	156.38	SW4 Sec 24 14/14
019 110 29	156.28	SW4 Sec 22 14/14 (House Retained by Seller)
019 120 01	1.29	1.26 ac. NW cor Sec 18 14/15
019 120 04S	78.39	S2 SW4 Sec 18 14/15
019 120 05S	160.00	SE4 Sec 18 14/15
019 120 13S	78.23	S2 NW4 Sec 18 14/15
019 120 14S	236.78	N2 NW4 & NE4 Sec 18 14/15
019 120 17	79.30	N2 SW4 Sec 18 14/15
019 120 19S	228.12	NW4 & N2 SW4 Sec 17 14/15
019 120 21S	155.17	SE4 Sec 17 14/15
019 120 22S	155.17	NE4 Sec 17 14/15
019 120 23S	74.82	S2 SW4 Sec 17 14/15
019 120 30S	157.33	SW4 Sec 19 14/15
019 120 31S	160.00	SE4 Sec 19 14/15
019 120 41S	157.07	NW4 Sec 19 14/15
019 120 42S	160.00	NE4 Sec 19 14/15
019 160 13S	158.18	SE4 Sec 29 14/14
019 160 35S	236.36	NW4 & W2 SW4 Sec 28 14/14
019 160 39	7.23	E 7.23 Ac SE4 SE4 Sec 28 14/14
019 160 40	1.86	E 330' of N 270' of S 1320' SW4 Sec 28 14/14
019 160 41S	2.41	2.41 Ac E2 SE4 Sec 28 14/14
019 160 42S	375.12	Por E2 & E2 SW4 Sec 28 14/14
019 170 04S	118.16	E 119 Ac NE4 Sec 36 14/14
019 170 05S	60.00	W 40 Ac NE4 & E 20 Ac NW4 Sec 36 14/14
019 170 08S	158.18	SW4 Sec 36 14/14
019 170 09S	79.05	N2 SE4 Sec 36 14/14
019 170 10	39.09	SE4 SE4 Sec 36 14/14
019 170 11S	40.00	SW4 SE4 Sec 36 14/14
019 170 13S	138.18	Frac'l NW4 Sec 36 14/14
019 170 17	160.00	NW4 Sec 26 14/14
019 170 18	158.36	NE4 Sec 26 14/14
019 170 19	160.00	SW4 Sec 26 14/14
019 170 20	158.36	SE4 Sec 26 14/14
019 170 21	158.16	NW4 Sec 25 14/14
019 170 22	156.40	NE4 Sec 25 14/14
019 170 23	160.36	SW4 Sec 25 14/14
019 170 24	158.18	SE4 Sec 25 14/14
019 170 25	158.18	NW4 Sec 35 14/14
019 170 26	158.18	NE4 Sec 35 14/14
019 170 27	158.18	SW4 Sec 35 14/14
019 170 28	158.18	SE4 Sec 35 14/14
019 170 29	158.18	NW4 Sec 27 14/14
019 170 30	160.00	NE4 Sec 27 14/14

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
019 170 31	158.18	SW4 Sec 27 14/14
019 170 32	160.00	SE4 Sec 27 14/14
019 180 29S	303.82	SE4 NW4 & Frac'l SW4 NE4 & Frac'l S2 Sec 33 14/15
019 180 31S	316.57	S2 Sec 31 14/15
019 180 33S	160.00	NE4 Sec 31 14/15
019 180 34S	156.57	NW4 Sec 31 14/15
019 180 35S	627.75	Sec 30 14/15
019 210 06	10.00	LOTS 126-127 in NW4 NW4 Sec 34 14/14
019 210 39S	316.38	S2 Sec 33 14/14
019 210 41S	55.00	LOTS 93-94 & 97-102 & 124-125 & 128 in NW4 Sec 34 14/14
019 210 44	27.77	LOTS 65-68 & 95-96 in NE4 NW4 Sec 34 14/14
019 210 48	14.34	LOTS 87-88 & 105 in SW4 Sec 34 14/14
019 210 49	9.56	LOTS 72 & 89 in SE4 NW4 Sec 34 14/14
019 210 50	45.00	LOTS 59-60 & 69-71 & 90-92 & 103 in N2 Sec 34 14/14
019 210 51	25.00	LOTS 104 & 120-123 in W2 W2 Sec 34 14/14
019 210 53S	19.09	LOTS 55-58 in W2 E2 Sec 34 14/14
019 210 56S	18.68	N2 NW4 NE4 Sec 34 14/14
019 210 57S	19.56	S2 NW4 NE4 Sec 34 14/14
019 210 58S	18.68	N2 NE4 NE4 Sec 34 14/14
019 210 59S	19.56	S2 NE4 NE4 Sec 34 14/14
019 210 60S	19.56	N2 SE4 NE4 Sec 34 14/14
019 210 61S	19.56	S2 SE4 NE4 Sec 34 14/14
019 210 62S	19.56	N2 NE4 SE4 Sec 34 14/14
019 210 63S	19.56	S2 NE4 SE4 Sec 34 14/14
019 210 64S	19.56	N2 SE4 SE4 Sec 34 14/14
019 210 65S	18.68	S2 SE4 SE4 Sec 34 14/14
019 210 66S	19.56	S2 NW4 SE4 Sec 34 14/14
019 210 67S	30.00	LOTS 37-42 in W2 E2 Sec 34 14/14
019 210 68S	169.92	SW4 SE4 Sec 34 14/14
022 120 007	1.25	S2 SE4 NE4 NW4 SW4 Sec 10 19/19
022 120 025	5.00	E2 NE4 SW4 SW4 Sec 10 19/19
022 120 026	1.25	N2 NE4 SE4 SW4 SW4 Sec 10 19/19
022 140 019	1.25	Por NE4 SW4 Sec 11 19/19
022 140 027	1.25	Por NE4 SW4 Sec 11 19/19
022 140 031	2.50	NE4 SW4 NW4 SE4 Sec 11 19/19
022 140 048	2.50	SE4 NW4 SW4 SW4 Sec 11 19/19
022 140 054	1.00	Por NW4 SE4 SW4 SW4 Sec 11 19/19
024 020 008	20.00	E2 NE4 SW4 Sec 15 19/19
024 020 012	2.50	NE4 SE4 NW4 SW4 Sec 15 19/19
024 020 023	2.50	SW4 SW4 SE4 NW4 Sec 15 19/19
024 020 024	2.50	SE4 SW4 SE4 NW4 Sec 15 19/19
024 020 025	2.50	NW4 NW4 NE4 SW4 Sec 15 19/19
024 020 026	2.50	NE4 NW4 NE4 SW4 Sec 15 19/19
024 020 027	2.50	SW4 NW4 NE4 SW4 Sec 15 19/19
024 020 028	2.50	SE4 NW4 NE4 SW4 Sec 15 19/19
024 190 045	106.40	SE4 Sec 34 19/19 SE of Rd
024 190 047	258.19	W2 & NWD E2 Sec 35 19/19 SE of Rd excl N 52.25 Ac
024 190 060	2.00	Por SW4 Sec 26 19/19 SE of Rd
024 190 062	52.25	N 52.25 Sec 35 19/19 SE of Rd & E of S & O Line

EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
024 200 012	1.30	1 Ac NE4 SE4 Sec 26 19/19 SE of Rd
024 200 020	34.67	34.67 Ac SE4 Sec 26 19/19 SE of Rd
024 221 023	0.40	Por W2 W2 NW4 NE4 Sec 27 19/19
024 221 024	0.80	Por W2 W2 NW4 NE4 Sec 27 19/19
024 221 030	0.30	Por W2 W2 NW4 NE4 Sec 27 19/19
024 221 036	0.80	Por W2 W2 NW4 NE4 Sec 27 19/19
024 221 037	0.20	Por W2 W2 NW4 NE4 Sec 27 19/19
024 221 039	0.10	Por W2 W2 NW4 NE4 Sec 27 19/19
024 222 008	0.20	Por E2 W2 NW4 NE4 Sec 27 19/19
024 222 012	0.20	Por E2 W2 NW4 NE4 Sec 27 19/19
024 222 016	0.20	Por E2 W2 NW4 NE4 Sec 27 19/19
024 222 023	0.10	Por E2 W2 NW4 NE4 Sec 27 19/19
024 222 025	0.20	Por E2 W2 NW4 NE4 Sec 27 19/19
024 222 026	0.10	Por E2 W2 NW4 NE4 Sec 27 19/19
026 020 009	160.00	NE4 Sec 10 20/19
026 020 010	319.00	W2 Sec 10 20/19
026 020 011	1.00	SW Cor SW4 Sec 10 20/19
026 020 012	344.68	W2 Sec 2 20/19
026 020 013	356.00	E2 Sec 2 20/19
026 020 014	630.80	Sec 11 20/19
026 020 016	648.67	Sec 3 20/19
026 030 001	2.50	NW4 NW4 NW4 SE4 Sec 10 20/19
026 030 002	1.25	N2 NE4 NW4 NW4 SE4 Sec 10 20/19
026 030 003	1.25	S2 NE4 NW4 NW4 SE4 Sec 10 20/19
026 030 004	1.25	S2 NW4 NE4 NW4 SE4 Sec 10 20/19
026 030 005	1.25	N2 NW4 NE4 NW4 SE4 Sec 10 20/19
026 030 007	1.25	N2 NE4 NE4 NW4 SE4 Sec 10 20/19
026 030 014	1.25	N2 SE4 NE4 NE4 SE4 Sec 10 20/19
026 030 015	1.25	S2 SE4 NE4 NE4 SE4 Sec 10 20/19
026 030 016	2.50	SW4 NE4 NE4 SE4 Sec 10 20/19
026 030 017	2.50	SE4 NW4 NE4 SE4 Sec 10 20/19
026 030 020	1.25	N2 SE4 NE4 NW4 SE4 Sec 10 20/19
026 030 021	0.63	NE4 SW4 NE4 NW4 SE4 Sec 10 20/19
026 030 023	2.50	SE4 NW4 NW4 SE4 Sec 10 20/19
026 030 024	2.50	SW4 NW4 NW4 SE4 Sec 10 20/19
026 030 028	5.00	E2 SE4 NW4 SE4 Sec 10 20/19
026 030 031	2.50	SE4 SW4 NE4 SE4 Sec 10 20/19
026 030 033	2.50	NE4 SE4 NE4 SE4 Sec 10 20/19
026 030 034	5.00	S2 SE4 NE4 SE4 Sec 10 20/19
026 030 041	8.75	Por NW4 SE4 SE4 Sec 10 20/19
026 030 044	10.00	NW4 SW4 SE4 Sec 10 20/19
026 030 045	5.00	N2 SW4 SW4 SE4 Sec 10 20/19
026 030 046	5.00	S2 SW4 SW4 SE4 Sec 10 20/19
026 030 047	10.00	SE4 SW4 SE4 Sec 10 20/19
026 030 048	5.00	W2 SW4 SE4 SE4 Sec 10 20/19
026 030 050	20.00	Por W2 SE4 Sec 10 20/19
026 030 051	16.25	Por W2 NE4 SE4 Sec 10 20/19
026 030 052	25.00	Por SE4 SE4 Sec 10 20/19
026 260 001	80.00	W2 SW4 Sec 16 20/19

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
026 260 002	40.00	NE4 SW4 Sec 16 20/19
026 260 003	40.00	SE4 SW4 Sec 16 20/19
026 260 004	156.36	NW4 Sec 15 20/19
026 260 009	320.00	S2 Sec 15 20/19
026 260 021	480.00	W2 & W2 E2 Sec 23 20/19
026 260 026	40.00	NW4 SE4 Sec 22 20/19
026 260 027	160.00	SW4 Sec 22 20/19
026 260 028	160.00	NW4 Sec 22 20/19
026 260 029	640.00	Sec 21 20/19
026 260 031	80.00	E2 SE4 Sec 22 20/19
026 260 033	160.00	NE4 Sec 22 20/19
026 260 034	156.36	NE4 Sec 15 20/19
026 260 037	334.42	SW4 & W2 E2 Sec 14 20/19
026 280 016	5.00	S2 SW4 SW4 SE4 Sec 16 20/19
026 280 017	3.75	Por S2 NW4 SW4 SE4 Sec 16 20/19
026 280 018	1.25	N2 SW4 NW4 SW4 SE4 Sec 16 20/19
026 280 019	5.00	Lots 327, 328, 329, 330 of Sec 16 20/19
026 280 025	0.33	Por NE4 SE4 SE4 SE4 Sec 16 20/19
026 280 026	0.30	Por NE4 SE4 SE4 SE4 Sec 16 20/19
026 280 027	1.28	Por NE4 SE4 SE4 Sec 16 20/19
026 280 028	6.23	Por NE4 SE4 SE4 Sec 16 20/19
026 280 030	3.75	Por S2 NW4 SE4 SE4 Sec 16 20/19
026 320 007	160.00	NW4 Sec 28 20/19
026 320 009	80.00	E2 NE4 Sec 28 20/19
026 320 010	160.00	SE4 Sec 28 20/19
026 320 011	160.00	SW4 Sec 28 20/19
026 320 021	80.00	W2 NW4 Sec 33 20/19
026 320 022	80.00	E2 NW4 Sec 33 20/19
026 320 023	80.00	W2 NE4 Sec 33 20/19
026 320 024	80.00	E2 NE4 Sec 33 20/19
026 320 025	80.00	E2 SE4 Sec 33 20/19
026 320 026	80.00	W2 SE4 Sec 33 20/19
026 320 027	80.00	E2 SW4 Sec 33 20/19
026 320 028	80.00	W2 SW4 Sec 33 20/19
026 330 001	639.70	Sec 27 20/19
026 330 033	80.00	W2 SW4 Sec 34 20/19
026 330 034	137.62	137.62 Ac in SW4, SE4 & NE4 Sec 34 20/19
026 330 035	80.00	S2 NW4 Sec 34 20/19
026 330 036	40.00	NW4 NE4 Sec 34 20/19
026 330 037	80.00	N2 NW4 Sec 34 20/19
026 330 055	219.29	219.29 Ac in E2 Sec 34 20/19
026 330 057	155.87	W2 Sec 35 20/19 NW of Canal
026 330 074	320.30	W2 Sec 26 20/19
028 030 01	634.51	Sec 6 15/15
028 030 02	81.65	N2 NW4 Sec 5 15/15
028 030 05	40.00	SW4 SW4 Sec 5 15/15
028 030 17	80.05	S2 NW4 Sec 7 15/15
028 030 18	80.01	N2 NW4 Sec 7 15/15
028 030 22S	160.00	NE4 Sec 9 15/15

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
028 030 26S	40.00	SW4 SE4 Sec 9 15/15
028 030 31S	320.00	W2 Sec 8 15/15
028 030 32S	320.00	E2 Sec 8 15/15
028 030 34S	54.77	NE4 SW4, NW4 SE4 SW4, & W2 SW4 SE4 SW4 Sec 7 15/15
028 030 41S	320.00	E2 Sec 7 15/15
028 030 43S	200.00	S2 NW4, N1/2 SW4, & SE4 SW4 Sec 5 15/15
028 030 45S	321.99	E2 Sec 5 15/15
028 030 46S	75.96	W2 SW4 Sec 7 15/15
028 030 47S	80.00	W2 NW4 Sec 9 15/15
028 030 50S	40.00	NW4 SW4 Sec 9 15/15
028 030 51S	120.00	E2 & SW4 SW4 Sec 9 15/15
028 041 26S	74.04	W2 SW4 Sec 3 15/15
028 041 36S	130.06	NW4 Sec 3 15/15 E of Rd
028 041 40S	25.61	N3 W2 NE4 Sec 3 15/15
028 041 42	24.00	C3 W2 NE4 Sec 3 15/15
028 041 59	13.26	Por E2 SW4 Sec 3 15/15 W of SLD
028 060 19	10.00	N2 S2 SE4 NW4 Sec 22 15/14
028 060 21S	40.00	NE4 NW4 Sec 22 15/14
028 060 32S	160.00	NE4 Sec 23 15/14
028 060 33S	40.00	NW4 NW4 Sec 24 15/14
028 060 34	160.00	S2 NW4 & N2 SW4 Sec 24 15/14
028 060 41S	116.44	N2 NE4 & NE4 NW4 Sec 24 15/14
028 060 54S	18.77	N2 NW4 NW4 Sec 22 15/14
028 060 64S	9.78	S2 S2 SE4 NW4 Sec 22 15/14
028 060 66S	39.09	SW4 NW4 Sec 22 15/14
028 060 67S	19.55	N2 NW4 SW4 Sec 22 15/14
028 060 69S	253.38	SE4, S2 NE4, & E2 SE4 SW4 Sec 24 15/14
028 060 70S	78.48	W2 SE4 Sec 23 15/14
028 060 71S	78.48	E2 SE4 Sec 23 15/14
028 060 72S	57.72	W 60 Ac S2 SW4 Sec 24 15/14
028 060 74	18.48	S2 SE4 SW4 Sec 22 15/14
028 060 75S	153.39	SE4 Sec 22 15/14
028 060 76S	115.82	SW4 Sec 22 15/14 exc S2 SE4 & N2 NW4
028 071 01S	639.95	Sec 18 15/15
028 071 02S	2.00	2 Ac in SW Cor NW4 Sec 17 15/15
028 071 04S	138.00	NW4 Sec 17 15/15 excl N2 NW4 NW4
028 071 06S	318.18	S2 Sec 17 15/15
028 071 07S	50.00	W 50 Ac N2 NE4 Sec 17 15/15
028 071 13S	20.00	N2 SW4 NE4 Sec 17 15/15
028 071 15S	10.00	NW4 SE4 NE4 Sec 17 15/15
028 071 16S	10.00	NE4 SE4 NE4 Sec 17 15/15
028 071 17S	10.00	SW4 SW4 NE4 Sec 17 15/15
028 071 20S	10.00	SE4 SW4 NE4 Sec 17 15/15
028 071 21S	20.00	S2 SE4 NE4 Sec 17 15/15
028 071 23S	303.52	W2 Sec 16 15/15
028 071 32S	322.44	W2 Sec 19 15/15
028 071 33S	160.00	NE4 Sec 19 15/15
028 071 34	476.93	N2 & SW4 Sec 20 15/15
028 071 35S	78.44	W2 SE4 Sec 19 15/15

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
028 071 36S	78.44	E2 SE4 Sec 19 15/15
028 071 39	156.97	SE4 Sec 20 15/15
028 071 40S	80.00	N2 NW4 Sec 21 15/15
028 071 41S	20.00	W2 NW4 NE4 Sec 21 15/15
028 071 43S	140.00	NE4 Sec 21 15/15 excl W2 NW4 NE4
028 071 44	20.00	20 Ac N2 SW4 NW4 Sec 21 15/15
028 071 45	60.00	60 Ac S2 NW4 Sec 21 15/15
028 071 47	156.95	156.95 Ac SW4 Sec 21 15/15
028 071 48	80.00	80 Ac N2 SE4 21 15/15
028 071 49	76.95	76.95 Ac S2 SE4 Sec 21 15/15
028 081 22S	78.47	W2 SW4 Sec 24 15/15
028 081 24S	76.36	W2 NW4 Sec 24 15/15
028 081 28S	80.00	S2 NE4 Sec 23 15/15
028 081 30S	233.94	SE4 & S2 SW4 Sec 23 15/15
028 081 56S	166.88	SE4 NW4, NE4 SW4, SW4 SE4, & SE4 SE4 Sec 24 15/15 SW of SLD
028 081 66S	633.95	Sec 22 15/15
028 081 78S	40.00	NE4 SE4 24 15/15
028 101 10S	20.00	S2 NE4 NW4 Sec 26 15/14
028 101 15S	20.00	S2 NE4 SE4 Sec 26 15/14
028 101 17S	15.00	NW4 NE4 SE4 & N2 NE4 NE4 SE4 Sec 26 15/14
028 101 19	40.00	S2 NE4 NE4 & N2 SE4 NE4 Sec 26 15/14
028 101 22	80.00	W2 SW4 25 15/14
028 101 23S	80.00	E2 SW4 Sec 25 15/14
028 101 29S	5.00	5 Ac NW4 SE4 Sec 25 15/14
028 101 45S	158.16	NE4 Sec 36 15/14
028 101 46S	158.16	SE4 Sec 36 15/14
028 101 47S	160.00	SW4 Sec 36 15/14
028 101 48S	160.00	NW4 Sec 36 15/14
028 101 50S	160.00	SE4 Sec 35 15/14
028 101 51S	220.00	W2 NW4 NW4 & SW4 NW4 & SW4 35 15/14
028 101 53	20.00	W2 SE4 NW4 Sec 35 15/14
028 101 58S	37.56	NE4 NE4 Sec 25 15/14
028 101 65S	153.36	NW4 Sec 25 15/14 excl 3.6 Ac in NW Cor
028 101 69S	134.77	Por E2 Sec 26 15/14
028 101 70S	281.57	NE4 & E 3/4 N2 NW4 Sec 35 15/14
028 101 72S	25.00	25 Ac NW4 SE4 Sec 25 15/14
028 101 74S	165.55	W2 NE 1/4, SE4 NE4 & NE4 SE4 Sec 25 15/14
028 111 01S	562.27	NW4, S2, & W2 NE4 Sec 30 15/15
028 111 02S	38.51	NE4 NE4 Sec 30 15/15
028 111 04S	20.00	N2 SE4 NE4 Sec 30 15/15
028 111 06	20.00	S2 SE4 NE4 Sec 30 15/15

EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
028 111 07S	160.00	SW4 Sec 29 15/15
028 111 09S	156.89	NW4 Sec 29 15/15
028 111 10	136.95	NE4 Sec 29 15/15 excl E2 SE4 NE4
028 111 13	20.00	S2 NW4 SE4 Sec 29 15/15
028 111 14	20.00	W2 SW4 SE4 Sec 29 15/15
028 111 15	20.00	E2 SW4 SE4 Sec 29 15/15
028 111 16S	40.00	SE4 SE4 Sec 29 15/15
028 111 17	40.00	NE4 SE4 Sec 29 15/15
028 111 19	140.00	S2 NW4 & SW4 NE4 Sec 28 15/15 & E2 SE4 NE4 Sec 29 15/15
028 111 20S	193.69	N2 N2 & SE4 NE4 Sec 28 15/15
028 111 22S	160.00	NE4 Sec 33 15/15
028 111 25S	160.00	SW4 Sec 33 15/15
028 111 27S	160.00	NW4 Sec 33 15/15
028 111 28S	20.00	N2 NE4 NE4 Sec 32 15/15
028 111 30	40.00	SE4 NE4 Sec 32 15/15
028 111 31S	161.24	SE4 Sec 32 15/15
028 111 32S	47.50	SW4 NE4 & S3 W2 NW4 NE4 Sec 32 15/15
028 111 33S	20.00	E2 NW4 NE4 Sec 32 15/15
028 111 35S	22.50	Por E2 NW4 Sec 32 15/15
028 111 36S	15.00	Por E2 NW4 Sec 32 15/15
028 111 37S	30.00	Por W2 E2 NW4 Sec 32 15/15
028 111 38	10.00	N2 N2 NW4 NW4 Sec 32 15/15
028 111 39	30.00	S3/4 NW4 NW4 Sec 32 15/15
028 111 40	4.13	Por SW4 NW4 Sec 32 15/15
028 111 42	20.00	W2 SW4 NW4 Sec 32 15/15
028 111 43S	161.33	SW4 Sec 32 15/15
028 111 44S	50.00	Por S2 SE4 Sec 31 15/15
028 111 45	10.00	SW4 SW4 SE4 Sec 31 15/15
028 111 46	20.00	N2 SW4 SE4Sec 31 15/15
028 111 47S	80.00	N2 SE4 Sec 31 15/15
028 111 50S	0.67	SW Cor N2 Sec 31 15/15
028 111 52S	160.68	SW4 Sec 31 15/15
028 111 53S	2.59	SW cor SW4 Sec 31 15/15
028 111 60S	318.97	Frac'l N2 Sec 31 15/15
028 120 15	160.00	NW4 Sec 36 15/15
028 120 18S	80.00	N2 SW4 Sec 36 15/15
028 120 23	160.00	SW4 Sec 26 15/15
028 120 31S	639.51	Sec 34 T15S R15E
028 120 32S	0.46	0.46 Ac SW Cor SE4 Sec 34 15/15
028 120 47S	80.00	S2 SE4 26 15/15
028 120 53S	640.00	Sec 35 15/15
028 120 55S	629.12	Sec 25 15/15
028 120 56S	40.00	NE4 SE4 26 15/15
028 120 57S	40.00	NW4 SE4 26 15/15
028 120 58S	313.94	N2 Sec 26 15/15
028 120 59	80.00	N2 NE4 Sec 36 15/15
028 120 60	80.00	S2 NE4 Sec 36 15/15
028 120 61S	320.00	S2 Sec 27 15/15
028 120 62S	236.32	NE4 & S2 NW4 Sec 27 15/15

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
028 130 02	18.43	N2 NE4 NW4 Sec 4 15/14
028 130 15	18.78	S2 SE4 SE4 Sec 4 15/14
028 130 43S	1.00	NE4 NE4 SE4 NW4 Sec 4 15/14
028 130 48S	158.23	NW4 Sec 3 15/14
028 130 49S	157.58	FRAC'L NE4 Sec 3 15/14
028 130 50S	118.54	N2 SW4 & SE4 SW4 Sec 3 15/14
028 130 51S	156.41	SE4 Sec 3 15/14
028 130 52S	39.33	S2 NE4 SE4 & N2 SE4 SE4 Sec 4 15/14
028 130 53S	38.39	SW4 SE4 Sec 4 15/14
028 130 55S	443.48	Por Sec 4 15/14 (Housing and Shop Buildings Retained by Seller)
028 140 05	40.00	S2 SE4 NW4 & N2 NE4 SW4 Sec 2 15/14
028 140 17S	20.00	S2 SW4 SW4 Sec 2 15/14
028 140 21	40.00	S2 SW4 NW4 & N2 NW4 SW4 Sec 2 15/14
028 140 23	77.26	S2 SE4 Sec 1 15/14
028 140 32S	237.53	NE4 & N2 SE4 Sec 1 15/14
028 140 36S	160.81	NW4 Sec 1 15/14
028 140 37S	158.18	SW4 Sec 1 15/14
028 140 38S	482.23	Por Sec 2 15/14
028 140 39S	39.09	N2 NE4 SW4 & S2 SE4 SW4 Sec 2 15/14
028 150 09S	5.00	SE4 Lot 18 Sec 10 15/14
028 150 12S	80.00	Lots 13-16 Sec 10 15/14
028 150 14S	20.00	Lot 3 Sec 10 15/14
028 150 31	20.00	N2 NE4 NE4 Sec 10 15/14
028 150 32S	20.00	S2 NE4 NE4 Sec 10 15/14
028 150 47S	4.78	SW4 N2 SW4 SW4 Sec 10 15/14
028 150 48	19.66	N2 SE4 SW4 Sec 10 15/14
028 150 49	18.77	S2 SE4 SW4 Sec 10 15/14
028 150 50S	157.09	NW4Sec 9 15/14
028 150 51S	157.09	NE4 Sec 9 15/14
028 150 52S	156.83	SW4 Sec 9 15/14
028 150 53S	156.83	SE4 Sec 9 15/14
028 150 54S	149.15	Lots 17, N2 18, 19, 20, 29, 30, 31, 32, in NW4 Sec 10 15/14
028 150 55S	283.32	S2 SE4 NE4 & S2, exc SE4 SW4 & S2 NW4 SW4 SW4 Sec 10 15/14
028 160 14S	158.20	SW4 Sec 11 15/14
028 160 16S	158.18	SW4 Sec 12 15/14
028 160 17S	156.36	SE4 Sec 12 15/14
028 160 19S	158.18	NW4 Sec 12 15/14
028 160 20S	77.27	E2 NE4 Sec 12 15/14
028 160 22S	79.09	W2 NE4 Sec 12 15/14
028 170 06	20.00	N2 NE4 SW4 Sec 14 15/14
028 170 17	40.00	SW4 NE4 Sec 13 15/14
028 170 18	78.13	E2 NE4 Sec 13 15/14
028 170 41S	40.00	SE4 SW4 Sec 13 15/14
028 170 42S	19.53	N2 SE4 SE4 Sec 13 15/14
028 170 43S	40.00	SW4 SW4 Sec 13 15/14
028 170 44S	19.54	S2 SE4 SE4 Sec 13 15/14
028 170 45S	40.00	NE4 SW4 Sec 13 15/14
028 170 46S	19.53	N2 NE4 SE4 Sec 13 15/14
028 170 47S	40.00	NW4 SW4 Sec 13 15/14

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
028 170 48S	19.54	S2 NE4 SE4 Sec 13 15/14
028 170 60S	40.00	E2 W2 SE4 Sec 13 15/14
028 170 61S	40.00	W2 W2 SE4 Sec 13 15/14
030 090 14S	331.84	W2 Sec 31 15/16
036 030 004	80.00	S2 SW4 Sec 4 21/19
036 030 005	80.00	N2 SW4 Sec 4 21/19
036 030 006	640.00	Sec 9 21/19
036 030 007	320.00	E2 Sec 8 21/19
036 040 007	2.50	NE4 NE4 SE4 NW4 Sec 8 21/19
036 040 010	2.50	SE4 NE4 SE4 NW4 Sec 8 21/19
036 040 011	1.25	N2 NE4 SE4 SE4 NW4 Sec 8 21/19
036 040 018	5.00	W2 NE4 NE4 SW4 Sec 8 21/19
036 040 024	7.50	Por SE4 SE4 SW4 Sec 8 21/19
036 040 026	2.50	SW4 SW4 SE4 SW4 Sec 8 21/19
036 040 027	1.25	S2 NW4 SW4 SE4 SW4 Sec 8 21/19
036 040 028	1.25	N2 NW4 SW4 SE4 SW4 Sec 8 21/19
036 040 030	5.00	W2 NW4 SE4 SW4 Sec 8 21/19
036 040 034	1.25	W2 SW4 SW4 SE4 NW4 Sec 8 21/19
036 040 035	5.00	N2 SW4 SE4 NW4 Sec 8 21/19
036 040 046	1.73	Por NW4 SE4 SE4 SW4 Sec 8 21/19
036 040 047	32.50	Por E2 NW4 Sec 8 21/19
036 040 048	37.50	Por E2 W2 Sec 8 21/19
036 040 049	177.50	Por W2 Sec 8 21/19
036 050 001	78.66	W2 NE4 Sec 4 21/19
036 050 015	2.50	NW4 SE4 SE4 SE4 Sec 4 21/19
036 050 017	5.00	N2 SW4 SE4 SE4 Sec 4 21/19
036 050 022	5.00	W2 SE4 SW4 SE4 Sec 4 21/19
036 050 024	5.00	E2 SW4 SW4 SE4 Sec 4 21/19
036 050 027	20.00	E2 NW4 SE4 Sec 4 21/19
036 050 028	20.00	W2 NW4 SE4 Sec 4 21/19
036 050 029	40.00	NE4 NE4 Sec 4 21/19
036 050 030	30.00	Por SE4 NE4 Sec 4 21/19
036 050 031	85.00	Por SE4 Sec 4 21/19
036 050 032	7.50	Por S4 SE4 SE4 Sec 4 21/19
036 050 033	15.00	Por W2 SW4 SE4 Sec 4 21/19
036 060 022	30.70	SW4 Sec 10 21/19 W of Canal
036 060 023	41.00	S2 NW4 Sec 10 21/19 W of Canal
036 060 024	26.85	NE4 NW4 Sec 10 21/19 W of Canal
036 060 025	40.00	NW4 NW4 Sec 10 21/19
036 060 045	279.41	Sec 3 21/19 W of WWD Boundary
036 120 019	131.48	W2 Sec 21 21/19 W of Canal
036 120 027	15.00	Por N2 NW4 SW4 Sec 20 21/19
036 120 029	5.00	N2 NW4 NW4 SW4 Sec 20 21/19
036 120 043	50.00	Por W2 SW4 Sec 20 21/19
036 130 005	1.25	S2 NW4 NW4 NE4 NW4 Sec 16 21/19
036 130 007	5.00	N2 NE4 NE4 NW4 Sec 16 21/19
036 130 008	1.25	N2 SE4 NE4 NE4 NW4 Sec 16 21/19
036 130 009	1.25	N2 SW4 NE4 NE4 NW4 Sec 16 21/19
036 130 010	5.00	Lots 75, 76, 85, 86 of Sec 16 21/19

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
036 130 012	2.50	NW4 SE4 NE4 NW4 Sec 16 21/19
036 130 013	5.00	Por SE4 NE4 NW4 Sec 16 21/19
036 130 014	2.50	SE4 SE4 NE4 NW4 Sec 16 21/19
036 130 016	2.50	SE4 SW4 NE4 NW4 Sec 16 21/19
036 130 017	1.25	S2 SW4 SW4 NE4 NW4 Sec 16 21/19
036 130 018	1.25	N2 NW4 NW4 SE4 NW4 Sec 16 21/19
036 130 021	2.50	S2 N2 NE4 SE4 NW4 Sec 16 21/19
036 130 023	5.00	S4 NW4 SE4 NW4 Sec 16 21/19
036 130 024	1.25	N2 SW4 NE4 SE4 NW4 Sec 16 21/19
036 130 027	10.00	SE4 SE4 NW4 Sec 16 21/19
036 130 028	1.00	Por S2 SE4 SW4 SE4 NW4 Sec 16 21/19
036 130 031	5.00	N2 SW4 SE4 NW4 Sec 16 21/19
036 130 035	4.00	S2 SW4 SW4 NW4 Sec 16 21/19
036 130 038	10.00	NW4 SW4 NW4 Sec 16 21/19
036 130 039	1.25	S2 SW4 SW4 NW4 NW4 Sec 16 21/19
036 130 040	1.25	N2 SW4 SW4 NW4 NW4 Sec 16 21/19
036 130 045	30.00	Por NE4 NE4 Sec 16 21/19
036 130 046	7.50	Por NW4 SE4 NE4 Sec 16 21/19
036 130 047	2.50	Por SW4 SE4 NE4 Sec 16 21/19
036 130 048	2.50	SE4 SE4 SW4 NE4 Sec 16 21/19
036 130 049	5.00	N2 SE4 SW4 NE4 Sec 16 21/19
036 130 050	1.75	E2 SW4 SE4 SW4 NE4 Sec 16 21/19
036 130 051	1.25	W2 SW4 SE4 SW4 NE4 Sec 16 21/19
036 130 052	10.00	SW4 SW4 NE4 Sec 16 21/19
036 130 053	20.00	N2 SW4 NE4 Sec 16 21/19
036 130 054	40.00	NW4 NE4 Sec 16 21/19
036 130 055	35.00	Por N2 NW4 Sec 16 21/19
036 130 056	5.00	N2 SW4 SW4 NW4 Sec 16 21/19
036 130 057	26.25	Por S2 NW4 Sec 16 21/19
036 130 058	5.00	Por E2 E2 NW4 Sec 16 21/19
036 130 059	3.75	Por S2 NE4 SE4 NW4 Sec 16 21/19
036 140 001	2.50	NW4 NW4 NW4 SW4 Sec 16 21/19
036 140 004	2.50	NE4 NE4 NW4 SW4 Sec 16 21/19
036 140 005	80.00	E2 SW4 Sec 16 21/19
036 140 006	5.00	N2 NW4 NW4 SE4 Sec 16 21/19
036 140 007	2.50	W2 W2 NE4 NW4 SE4 Sec 16 21/19
036 140 008	1.56	Por E2 W2 NE4 NW4 SE4 Sec 16 21/19
036 140 009	3.30	Por NE4 NW4 SE4 Sec 16 21/19
036 140 010	5.00	S2 NW4 NW4 SE4 Sec 16 21/19
036 140 011	2.50	Por SE4 NW4 SE4 Sec 16 21/19
036 140 013	1.25	E2 SW4 SW4 NW4 SE4 Sec 16 21/19
036 140 017	15.00	Por SW4 SW4 Sec 16 21/19
036 140 018	15.00	Por S2 SW4 SW4 Sec 16 21/19
036 140 020	5.00	N2 NW4 SW4 SW4 Sec 16 21/19
036 140 023	5.00	Por SW4 NW4 SW4 Sec 16 21/19
036 140 025	2.50	NW4 SE4 NW4 SW4 Sec 16 21/19
036 140 026	2.50	NE4 SE4 NW4 SW4 Sec 16 21/19
036 140 027	1.25	N2 NE4 SW4 NW4 SW4 Sec 16 21/19
036 140 028	1.25	S2 SE4 NE4 NW4 NW4 Sec 16 21/19

EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
036 140 029	1.25	N2 SE4 NE4 NW4 NW4 Sec 16 21/19
036 140 030	1.25	S2 SW4 NE4 NW4 NW4 Sec 16 21/19
036 140 033	16.25	N2 SW4 NE4 NW4 NW4 Sec 16 21/19
036 150 004	5.00	N2 SE4 NE4 SW4 Sec 20 21/19
036 150 008	2.50	NW4 SE4 SE4 SW4 Sec 20 21/19
036 150 017	10.00	SW4 NE4 SW4 Sec 20 21/19
036 150 018	31.25	Por E2 SW4 Sec 20 21/19
036 150 021	2.50	SW4 SW4 SE4 SW4 Sec 20 21/19
036 190 013	5.00	Lots 105 to 109; Lots 132 to 136 of Sec 32 21/18
036 210 002	304.33	NWD Sec 29 21/19 W of Canal
036 210 019	543.40	Sec 31 21/19 W of Canal
036 210 021	14.42	Por NW4 NW4 Sec 32 21/19 W of Canal
038 031 003	0.25	Lot 36 Sec 24 21/17
038 050 35S	95.23	SW4 Sec 12 16/13 E of Fwy
038 070 009	0.05	0.05 Ac SE Cor Sec 1 22/18
038 071 17	40.00	NW4 NW4 Sec 12 16/14
038 071 20S	155.72	NE4 Sec 12 16/14
038 071 21	37.88	NE4 SE4 Sec 12 16/14
038 071 22S	37.85	SE4 SE4 Sec 12 16/14
038 071 25	40.00	SW4 SE4 Sec 12 16/14
038 071 26	40.00	NW4 SE4 Sec 12 16/14
038 071 27S	120.00	N2 SW4 & SE4 SW4 Sec 12 16/14 (airstrip)
038 071 28	39.44	SW4 SW4 Sec 12 16/14
038 080 03S	160.00	NE4 Sec 6 16/15
038 080 05S	160.00	SW4 Sec 5 16/15
038 080 06S	320.81	E2 Sec 5 16/15
038 080 07S	322.68	N2 Sec 4 16/15
038 080 12S	20.00	N2 SW4 SW4 Sec 9 16/15
038 080 13S	19.10	S2 SW4 SW4 Sec 9 16/15
038 080 14S	119.10	N2 SW4 & SE4 SW4 Sec 9 16/15
038 080 16S	80.00	N2 NE4 Sec 8 16/15
038 080 17S	80.00	S2 NE4 Sec 8 16/15
038 080 18S	157.60	SE4 Sec 8 16/15
038 080 21S	78.80	E2 SW4 Sec 8 16/15
038 080 22S	78.80	W2 SW4 Sec 8 16/15
038 080 23S	160.00	NW4 Sec 8 16/15
038 080 24	160.00	NE4 Sec 7 16/15
038 080 25S	158.19	SE4 Sec 7 16/15
038 080 32S	83.69	N2 SW4 Sec 7 16/15
038 080 33S	83.69	S2 SW4 Sec 7 16/15
038 080 35S	164.96	NW4 Sec 6 16/15
038 080 38S	160.00	SE4 Sec 6 16/15
038 080 39S	0.04	.04 Ac SW4 Sec 6 16/15
038 080 40S	0.05	.05 Ac SW4 Sec 6 16/15
038 080 45S	157.56	Bal of SW4 Sec 6 16/15
038 130 54S	77.58	W2 NW4 Sec 20 16/14
038 141 35S	37.07	N2 NW4 E of SLC Sec 13 16/14
038 141 48S	122.30	NE4 E of SLC Sec 13 16/14
038 150 64S	158.19	NW4 Sec 17 16/15

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
038 150 65S	160.00	SW4 Sec 17 16/15
038 150 68S	85.99	SW4 E of SLC Sec 18 16/15
038 250 07	1.25	S2 NE4 NE4 NE4 SE4 Sec 6 16/14
038 320 01S	39.29	NW4 NW4 2 16/14
038 320 02	60.00	SW4 NW4 & S2 SE4 NW4 Sec 2 16/14
038 320 06	38.20	NE4 NW4 2 16/14
038 320 12S	20.00	S2 NE4 SE4 2 16/14
038 320 13S	10.00	S2 S2 SE4 NE4 Sec 2 16/14
038 320 16	20.00	N2 NE4 NE4 Sec 2 16/14
038 320 17	161.03	NW4 Sec 1 16/14
038 320 18S	160.00	SW4 Sec 1 16/14
038 320 23S	156.82	NE4 Sec 1 16/14
038 320 24S	20.00	N2 NW4 NE4 Sec 2 16/14
038 320 25S	20.00	S2 NW4 NE4 Sec 2 16/14
038 320 27S	20.00	N2 SE4 NE4 Sec 2 16/14
038 320 28S	20.00	N2 SW4 NE4 Sec 2 16/14
038 320 29S	20.00	N2 SE4 NW4 2 16/14
038 320 30S	20.00	S2 NE4 NE4 Sec 2 16/14
038 320 31S	20.00	N2 NE4 SE4 Sec 2 16/14
038 320 37S	20.00	S2 SW4 NE4 Sec 2 16/14
038 320 38S	20.00	N2 NW4 SE4 2 16/14
038 320 40S	94.98	Por SE4 Sec 1 16/14
038 320 42S	8.04	Por SE4 Sec 1 16/14
040 020 12S	619.90	Sec 5 16/16
040 070 25S	311.32	W2 Sec 23 16/16
040 070 26S	311.42	E2 Sec 23 16/16
040 070 31S	160.00	SE4 Sec 22 16/16
040 070 32S	158.79	SW4 Sec 22 16/16
040 070 42	317.58	E2 Sec 14 16/16
040 110 15S	640.00	Sec 35 16/16
040 110 16S	640.00	Sec 34 16/16
040 110 20S	640.00	Sec 36 16/16
040 110 21S	160.00	SE4 Sec 26 16/16
040 110 23S	5.00	2 Ac in NE Cor NE4 Sec 26 16/16
040 110 25S	160.00	SW4 Sec 26 16/16
040 110 27S	160.00	NE4 Sec 27 16/16
040 110 28S	160.00	SW4 Sec 27 16/16
040 110 29S	160.00	SE4 Sec 27 16/16
040 110 30S	160.00	NW4 Sec 27 16/16
040 110 31S	160.00	NW4 Sec 26 16/16
040 110 32S	155.00	NE4 Sec 26 16/16
040 110 34S	320.00	W2 Sec 25 16/16
040 120 19S	639.60	Sec 32 16/17
040 150 06	20.00	S2 NE4 NE4 Sec 24 16/16
040 150 07	10.00	SE4 NW4 NE4 Sec 24 16/16
040 150 08	10.00	SW4 SE4 NE4 Sec 24 16/16
040 150 11	10.00	NE4 SW4 NE4 Sec 24 16/16
040 150 12	10.00	NW4 SE4 NE4 Sec 24 16/16
040 150 13	10.00	NE4 SE4 NE4 Sec 24 16/16

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
040 150 14S	10.00	SE4 SE4 NE4 Sec 24 16/16
040 150 15	5.00	N2 SW4 SE4 NE4 Sec 24 16/16
040 150 16	5.00	S2 SW4 SE4 NE4 Sec 24 16/16
040 150 18	10.00	SW4 SW4 NE4 Sec 24 16/16
040 150 20	15.69	N2 NW4 NE4 Sec 24 16/16
040 150 22	7.84	7.84 Ac NE4 NE4 NE4 Sec 24 16/16
040 150 24	7.84	7.84 Ac NW4 NE4 NE4 Sec 24 16/16
040 150 28S	35.68	NW4 NW4 Sec 24 16/16
040 150 29S	36.97	N2 E2 NW4 Sec 24 16/16
040 160 03S	20.00	S2 NE4 SE4 Sec 24 16/16
040 160 05S	10.00	SW4 NW4 SW4 Sec 24 16/16
040 160 06	10.00	NW4 SW4 SW4 Sec 24 16/16
040 160 07S	10.00	NE4 SW4 SW4 Sec 24 16/16
040 160 10S	10.00	NE4 SW4 SE4 Sec 24 16/16
040 160 11	20.00	N2 SE4 SE4 Sec 24 16/16
040 160 13S	10.00	SE4 SW4 SE4 Sec 24 16/16
040 160 14	10.00	SW4 SW4 SE4 Sec 24 16/16
040 160 16S	20.00	S2 SW4 SW4 Sec 24 16/16
040 160 17	20.00	N2 NE4 SE4 Sec 24 16/16
040 160 18	20.00	S2 SE4 SE4 Sec 24 16/16
040 160 20S	92.09	SW4 SE4 SW4 & N2 SE4 SW & N2 NW4 SW4 & NE4 SW4 Sec 24 16
040 160 21S	51.22	NW4 SE4 & NW4 SW4 SE4 Sec 24 16/16
042 010 030	20.15	Por SW4 Sec 6 22/19 W of Canal
042 010 037	160.01	Por W2 Sec 6 22/19 SE of Canal
042 010 041	117.36	NWD NW4 Sec 6 22/19 NW of Canal
045 040 06	25.00	S 25 Ac NE4 NW4 Sec 2 17/14
045 040 10S	80.00	S2 SE4 Sec 2 17/14
045 040 11S	80.00	N2 SE4 Sec 2 17/14
045 040 12	31.78	S3 of W3/5 of NE4 of Sec 2 17/14
045 040 13	31.78	M3 of W3/5 of NE4 of Sec 2 17/14
045 040 14	31.78	N3 of W3/5 of NE4 of Sec 2 17/14
045 040 33S	20.00	N2 NW4 SW4 Sec 12 17/14
045 040 34S	60.00	E 3/4 S2 SW4 Sec 12 17/14
045 040 36S	155.93	SW4 Sec 2 17/14 E of Fwy
045 070 46S	79.19	NE2 NE4 Sec 23 17/15
050 020 47S	617.35	Sec 4 17/16 exc W2 NW4 NW4 & 3 small parcels in W2 of Sec
050 030 04S	40.00	NW4 SW4 Sec 2 17/16
050 030 05S	120.00	E2 SW4 & SW4 SW4 Sec 2 17/16
050 030 07S	268.27	N 268.27 Ac E2 Sec 2 17/16
050 030 08S	53.33	S 53.33 Ac E2 Sec 2 17/16
050 030 10S	203.88	E2 Sec 12 17/16
050 030 21S	320.00	S2 Sec 3 17/16
050 030 24S	160.00	NW4 Sec 12 17/16
050 030 25S	160.00	SW4 Sec 12 17/16
050 030 26S	160.00	NE4 Sec 10 17/16
050 030 27S	160.00	SE4 Sec 10 17/16
050 030 29S	160.00	NW4 Sec 10 17/16
050 030 30S	80.00	S2 NE4 Sec 3 17/16
050 030 31S	80.00	S2 NW4 Sec 3 17/16

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
050 030 32S	246.96	Por N2 Secs 2 17/16 & 3 17/16
050 030 33S	82.32	N2 NW4 Sec 3 17/16
050 030 49S	157.11	SW4 Sec 10 17/16
050 040 01	778.17	Sec 6 17/17
050 040 12S	540.00	NW4, SE4, E2 & SW4 NE4, N2 & N2 SE4 SW4 Sec 8 17/17
050 040 14S	636.96	Sec 5 17/17
050 040 19S	397.60	NE diag Sec 7 17/17
050 040 21S	601.17	Sec 4 17/17 exc W 289' of SE4 & E 371' of SW4
050 060 45S	475.15	N2 & SE4 Sec 21 17/16
050 060 46S	52.53	S3 NW4 Sec 16 17/16
050 060 47S	52.53	N3 SW4 Sec 16 17/16
050 060 48S	105.07	S 2/3 SW4 Sec 16 17/16
050 070 02	160.00	SE4 Sec 15 17/16
050 070 23S	160.00	SW4 Sec 13 17/16
050 070 30S	44.00	S 1140 ft of Frac E2 Sec 13 17/16
050 070 38S	39.40	SW4 SW4 Sec 23 17/16
050 070 41S	80.00	W2 NE4 Sec 15 17/16
050 070 42S	80.00	E2 NE4 Sec 15 17/16
050 070 43S	160.00	SW4 Sec 15 17/16
050 070 44S	30.00	W 30 Ac SW4 SW4 Sec 24 17/16
050 070 46S	28.41	W 30 Ac NW4 SW4 Sec 24 17/16
050 070 48S	60.00	W 60 Ac NW4 Sec 24 17/16
050 070 50S	10.00	10 Ac in N2 SW4 Sec 24 17/16
050 070 53S	111.19	S 111.19 Ac NW4 Sec 13 17/16
050 070 55S	129.03	129.03 Ac in E2 Sec 13 17/16
050 070 56	26.25	Por NE4 SW4 Sec 24 17/16
050 070 58S	35.15	35.15 Ac in S2 SW4 Sec 24 17/16
050 070 60S	72.50	72.50 Ac in NW4 Sec 24 17/16
050 070 64S	154.00	Frac'l NW4 Sec 15 17/16
050 080 03S	320.00	N2 Sec 16 17/17
050 080 04S	320.00	S2 Sec 16 17/17
050 080 05S	160.00	NE4 Sec 21 17/17
050 080 06	80.00	N2 SE4 Sec 21 17/17
050 080 09	40.00	NE4 NW4 Sec 21 17/17
050 080 15S	120.00	Frac'l W2 SW4 SE4 Sec 21 17/17
050 080 22S	58.20	SE4 SE4 & E2 SW4 SE4 Sec 21 17/17
050 080 27S	150.12	W2 SW4 SE4 & SW4 Sec 20 17/17 exc W 900' of S 1300'
050 100 43S	600.00	Sec 33 17/16 excl SW4 SW4
050 110 01S	635.15	Sec 27 17/16
050 110 11S	160.00	SW4 Sec 34 17/16
050 110 12S	160.00	NW4 Sec 34 17/16
050 110 13S	160.00	NE4 Sec 34 17/16
050 110 14S	160.00	SE4 Sec 34 17/16
050 120 45S	160.00	NW4 Sec 32 17/17
050 290 01	53.00	S2 SE4 SW4 & Frac'l SW4 SW4 Sec 8 17/17
050 290 02	1.00	1 Ac SW4 SW4 Sec 8 17/17
050 290 03	0.25	.25 Ac SW4 SW4 Sec 8 17/17
050 290 07	2.00	2 Ac in SW4 SW4 Sec 8 17/17
050 290 08	1.00	1 Ac SW4 SW4 Sec 8 17/17

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EXHIBIT "C"
"WESTLANDS LAND"

APN #	Assessable Acres	Legal Description
050 290 11	2.00	2 Ac SW4 SW4 Sec 8 17/17
060 020 05S	499.72	N2 & SW4 Sec 4 18/16
060 020 09S	140.00	SE4 Sec 4 18/16
060 030 19S	157.56	SE4 Sec 2 18/16
060 030 21S	157.82	NE4 Sec 2 18/16
060 030 24S	320.00	W2 Sec 11 18/16
060 030 29S	157.60	SE4 Sec 11 18/16
060 042 12S	151.57	Frac'l NW4 Sec 4 18/17
060 042 13S	160.78	NE4 Sec 4 18/17
060 042 15S	160.00	SW4 Sec 4 18/17
060 042 21S	160.00	SE4 Sec 4 18/17
060 050 40S	)	
060 050 41S	) 308.79	Frac'l W2 Sec 3 18/17
060 060 71S	620.33	Sec 5 18/18 exc W 720' of S 1,050'
060 090 41S	320.00	W2 Sec 15 18/16
060 090 42S	320.00	E2 Sec 15 18/16

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EXHIBIT "D"
"USBR LAND"

APN #	Assessable Acres	Legal Description
028 230 02S	35.00	NW4 15 15 15
028 230 04S	5.00	NW4 15 15 15
028 081 42S	60.00	SE4 15 15 15
028 230 23S	10.00	10 SW4 NE4 15 15 15
028 230 24S	50.00	SW4 NE4 15 15 15
028 081 41S	60.00	SE4 15 15 15
028 230 05S	40.00	NW4 15 15 15
028 071 26S	80.00	NE4 16 15 15
028 071 29S	40.00	SE4 16 15 15
028 071 27S	60.00	SE4 16 15 15
028 230 21S	39.09	NW4 15 15 15
028 230 22S	40.00	NW4 15 15 15
028 071 25S	70.00	NE4 16 15 15
028 071 24S	10.00	NE4 16 15 15
028 120 33S	18.99	N2 NW4 27 15 15
028 120 35S	18.99	N2 NW4 27 15 15
028 120 37S	18.99	N2 NW4 27 15 15
028 120 39S	18.99	N2 NW4 27 15 15
028 081 36S	160.00	NW4 23 15 15
028 081 67S	90.00	90 SW4 15 15 15
028 081 68S	40.00	40 SW4 15 15 15
028 071 31S	10.00	SE4 16 15 15
028 071 30S	20.00	SE4 16 15 15
028 071 28	30.00	31 E2 SE4 16 15 15
028 081 39	30.00	30 W2 SW4 15 15 15
019 120 33S	319.12	W2 20 14 15
019 120 39S	125.14	W/O SLD E2 20 14 15

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ARCADIS

Appendix C

EDR Radius Map™
with GeoCheck® Report

Little Bear 1 & 2
SEC W. California Ave/San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4352240.2s
July 13, 2015

The EDR Radius Map™ Report with GeoCheck®

Environmental Data Resources Inc

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SEC W. CALIFORNIA AVE/SAN BERNARDINO AVE
MENDOTA, CA 93640

COORDINATES

Latitude (North):	36.7162000 - 36˚ 42' 58.32''
Longitude (West):	120.4144000 - 120˚ 24' 51.84''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	730936.8
UTM Y (Meters):	4066304.2
Elevation:	203 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36120-F4 COIT RANCH, CA
Version Date:	1984

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120622
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SEC W. CALIFORNIA AVE/SAN BERNARDINO AVE
MENDOTA, CA 93640

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

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
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
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

EXECUTIVE SUMMARY

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
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

EXECUTIVE SUMMARY

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
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH DOE	Steam-Electric Plant Operation Data
2020 COR ACTION	2020 Corrective Action Program List
PRP	Potentially Responsible Parties

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

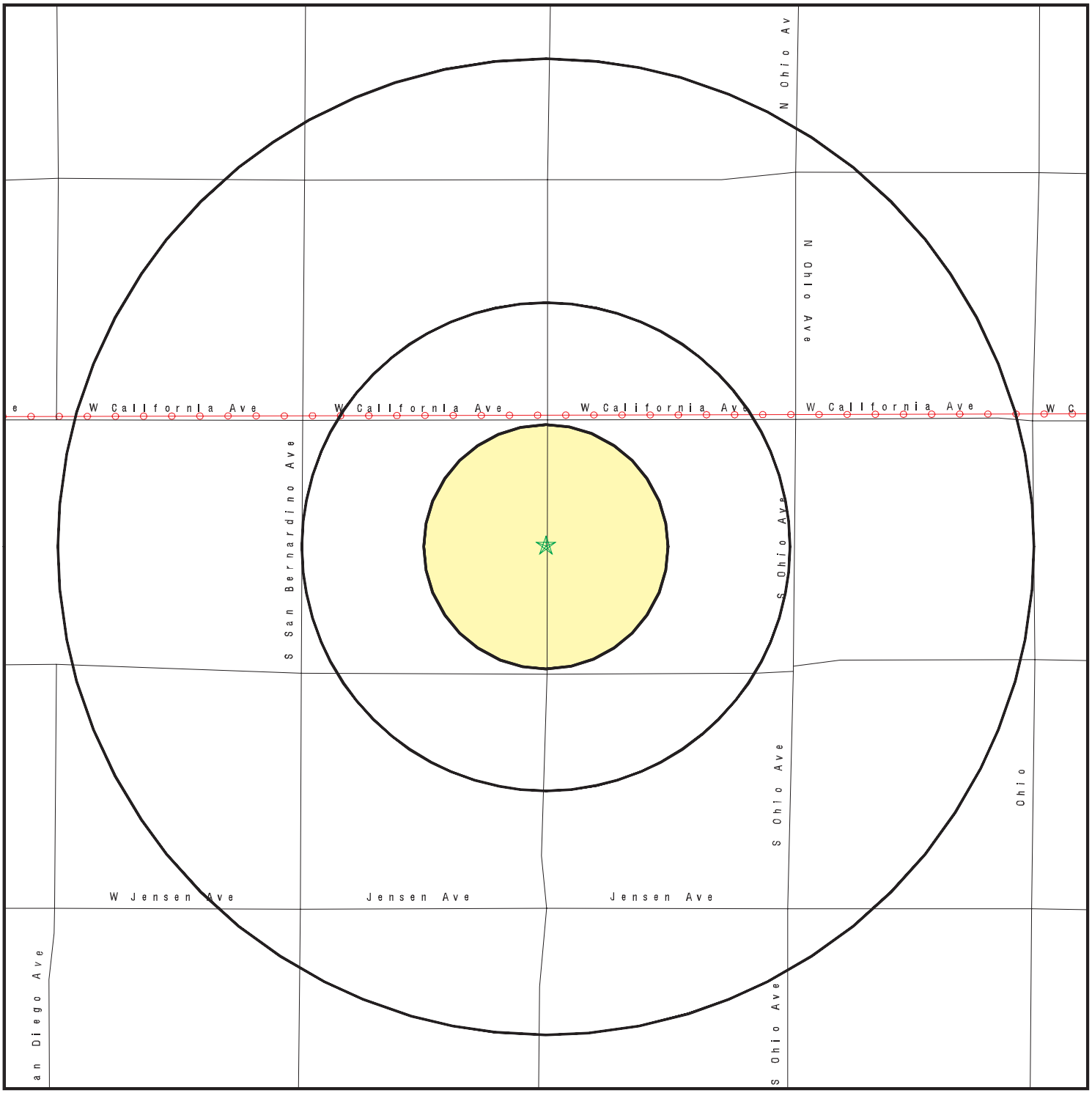
Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4352240.2S



- 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 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- 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: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota CA 93640 LAT/LONG: 36.7162 / 120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY #: 4352240.2s DATE: July 13, 2015 6:05 pm

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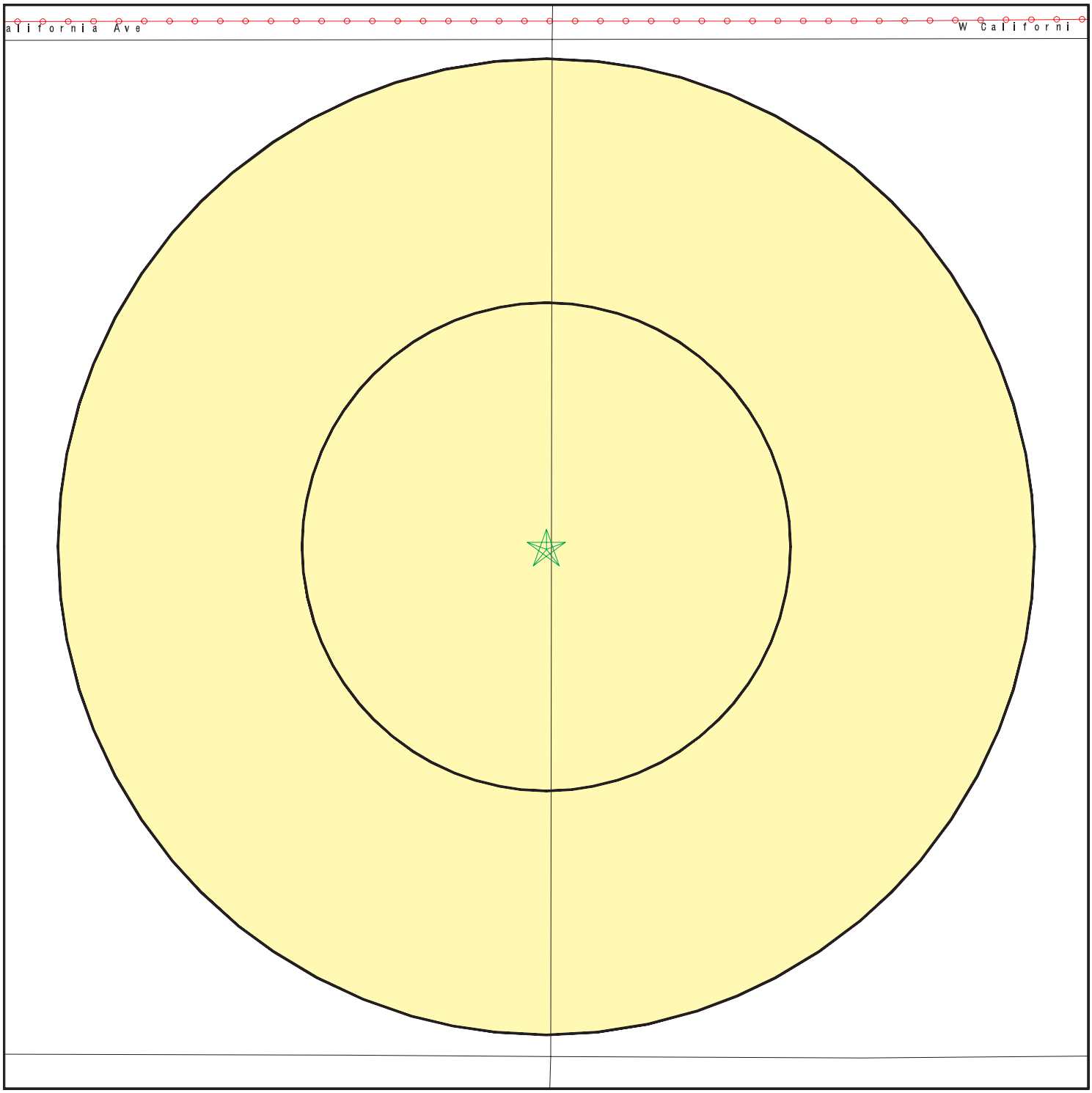
DETAIL MAP - 4352240.2S



0 1/16 1/8 1/4 Miles

- 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

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: Little Bear 1 & 2	CLIENT: ARCADIS U.S., Inc.
ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota CA 93640	CONTACT: Janet Holtz INQUIRY #: 4352240.2s
LAT/LONG: 36.7162 / 120.4144	DATE: July 13, 2015 6:08 pm

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
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
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
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
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

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
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	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
- Totals --		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	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: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	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: 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: 07/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/19/2015
	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: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

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: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
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 inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 16

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
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
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
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
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

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

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
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
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
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
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.

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

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
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

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

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
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: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

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: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

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

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/03/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

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

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 05/11/2015
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: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 05/06/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 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: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 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: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
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

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: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

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: 03/23/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
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: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
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: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: No Update Planned

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: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
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
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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
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
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2014
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: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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

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

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/18/2014
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: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
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: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
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: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 04/14/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/21/2015
Number of Days to Update: 22

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
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.

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: 07/08/2015
Next Scheduled EDR Contact: 09/21/2015
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: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
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: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
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: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
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: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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.

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: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
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: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/28/2015
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: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
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: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
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
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 45

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 10

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
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
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
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: 02/18/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/12/2015
Number of Days to Update: 20

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
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
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
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
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
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
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
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
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2015
Next Scheduled EDR Contact: 10/19/2015
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

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: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
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: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 05/18/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

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: 05/01/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2015
Next Scheduled EDR Contact: 09/07/2015
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: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
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: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
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: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
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: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: N/A

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: 01/16/2015
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 Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
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
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

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: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 31

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
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: 04/14/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/21/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
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: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
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: 03/31/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
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: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
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: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
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: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/20/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 17

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/20/2015
Next Scheduled EDR Contact: 08/03/2015
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: 04/15/2015
Next Scheduled EDR Contact: 08/03/2015
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: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 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: 03/06/2015
Next Scheduled EDR Contact: 08/03/2015
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: 03/03/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 16

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/03/2015
Date Data Arrived at EDR: 06/04/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
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.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 17

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 10

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/01/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 33

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/12/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/28/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/28/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
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: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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.

Date of Government Version: 03/02/2015
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
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: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 06/03/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

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

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
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: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

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

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 10

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/10/2015
Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/15/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

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

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 7

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 06/29/2015
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: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 06/10/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/12/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 24

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 03/13/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 5

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015
Date Data Arrived at EDR: 06/30/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 04/01/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 27

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 6

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 04/27/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/19/2015
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
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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: 04/27/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 14

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 05/27/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 12

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
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: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/29/2015
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
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: 05/01/2015
Date Data Arrived at EDR: 05/06/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/17/2015
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: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
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: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Telephone: 281-546-1505
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
Telephone: 800-823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 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.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LITTLE BEAR 1 & 2
SEC W. CALIFORNIA AVE/SAN BERNARDINO AVE
MENDOTA, CA 93640

TARGET PROPERTY COORDINATES

Latitude (North):	36.7162 - 36˚ 42' 58.32''
Longitude (West):	120.4144 - 120˚ 24' 51.84''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	730936.8
UTM Y (Meters):	4066304.2
Elevation:	203 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36120-F4 COIT RANCH, CA
Version Date:	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).

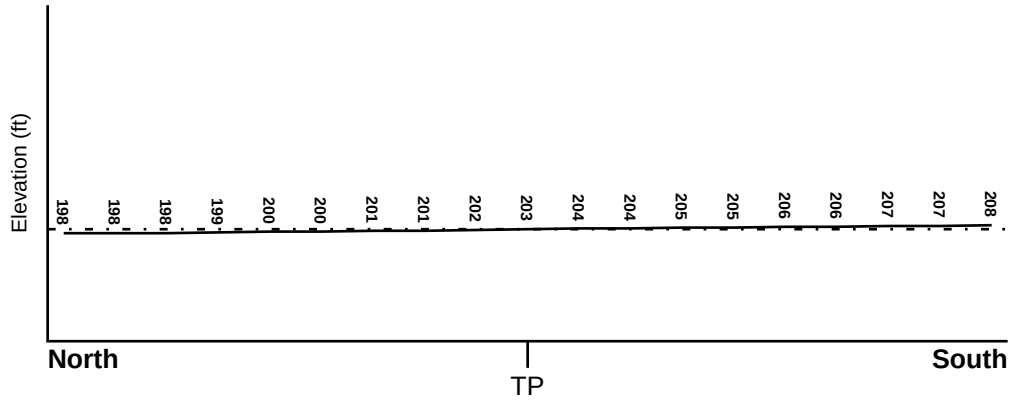
TOPOGRAPHIC INFORMATION

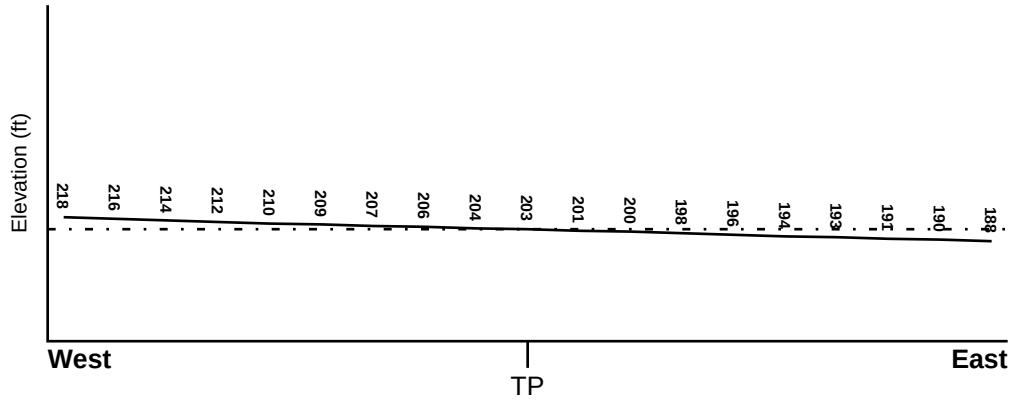
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 203 ft.

0 1/2 1 Miles

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
FRESNO, CA	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

NWI Quad at Target Property	NWI Electronic Data Coverage
COIT RANCH	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

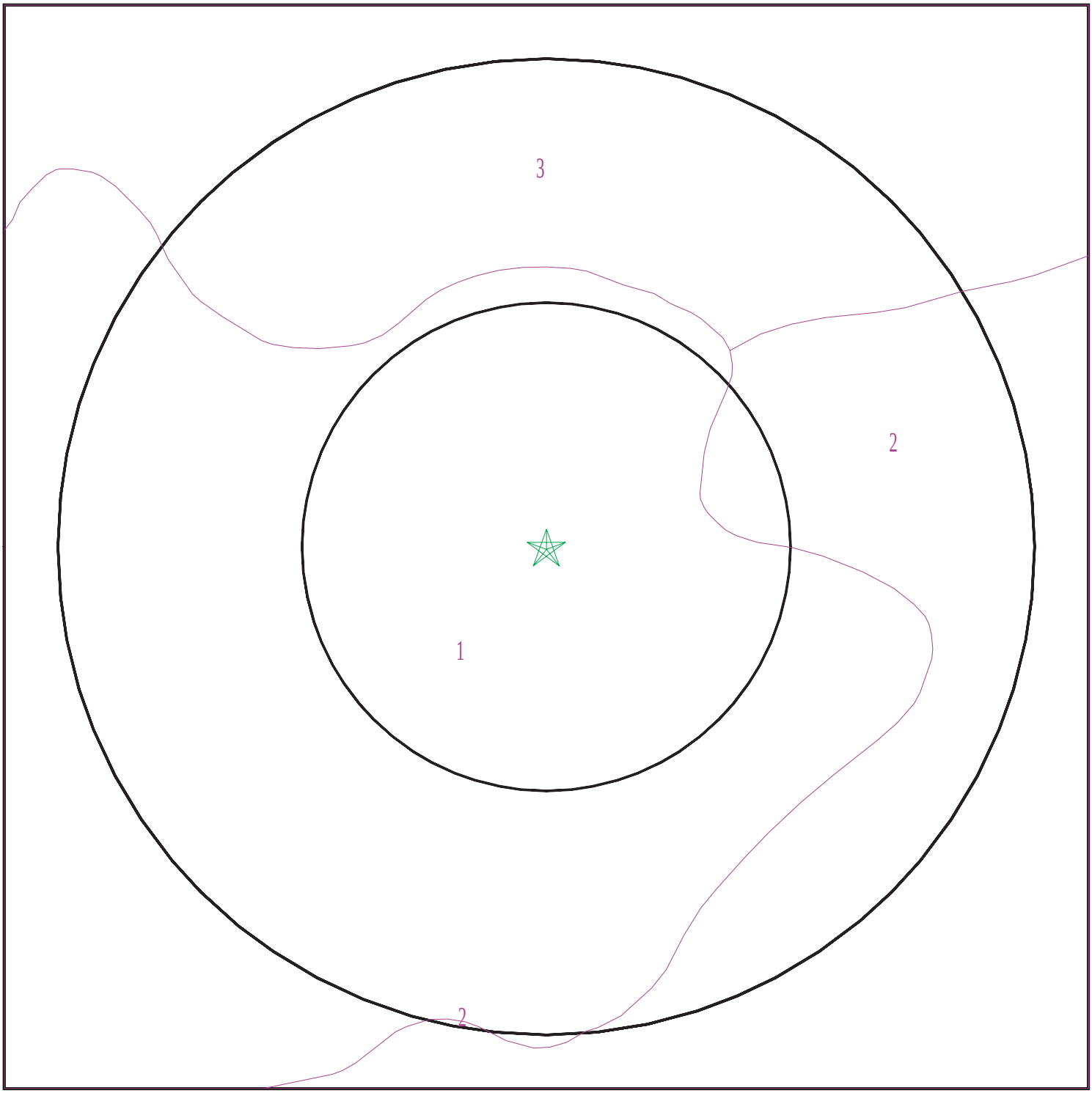
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 4352240.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Little Bear 1 & 2	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	SEC W. California Ave/San Bernardino Ave Mendota CA 93640	CONTACT:	Janet Holtz
		INQUIRY #:	4352240.2s
LAT/LONG:	36.7162 / 120.4144	DATE:	July 13, 2015 6:09 pm

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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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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	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	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	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	Max: 4 Min: 1.4	Max: 9 Min: 7.9

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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	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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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

Soil Map ID: 3

Soil Component Name: POSOCHANET

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	14 inches	24 inches	stratified loam to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	7 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
4	24 inches	59 inches	stratified loam to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	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

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A4	USGS40000176776	1/8 - 1/4 Mile South
5	USGS40000176786	1/8 - 1/4 Mile ESE
7	USGS40000176785	1/2 - 1 Mile East
B9	USGS40000176840	1/2 - 1 Mile WNW
C11	USGS40000176878	1/2 - 1 Mile NW
D12	USGS40000176792	1/2 - 1 Mile East
D13	USGS40000176793	1/2 - 1 Mile East
D14	USGS40000176791	1/2 - 1 Mile East
E16	USGS40000176873	1/2 - 1 Mile NE
F20	USGS40000176852	1/2 - 1 Mile ENE
23	USGS40000176914	1/2 - 1 Mile NE
G26	USGS40000176696	1/2 - 1 Mile SE
G27	USGS40000176682	1/2 - 1 Mile SE
H28	USGS40000176670	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

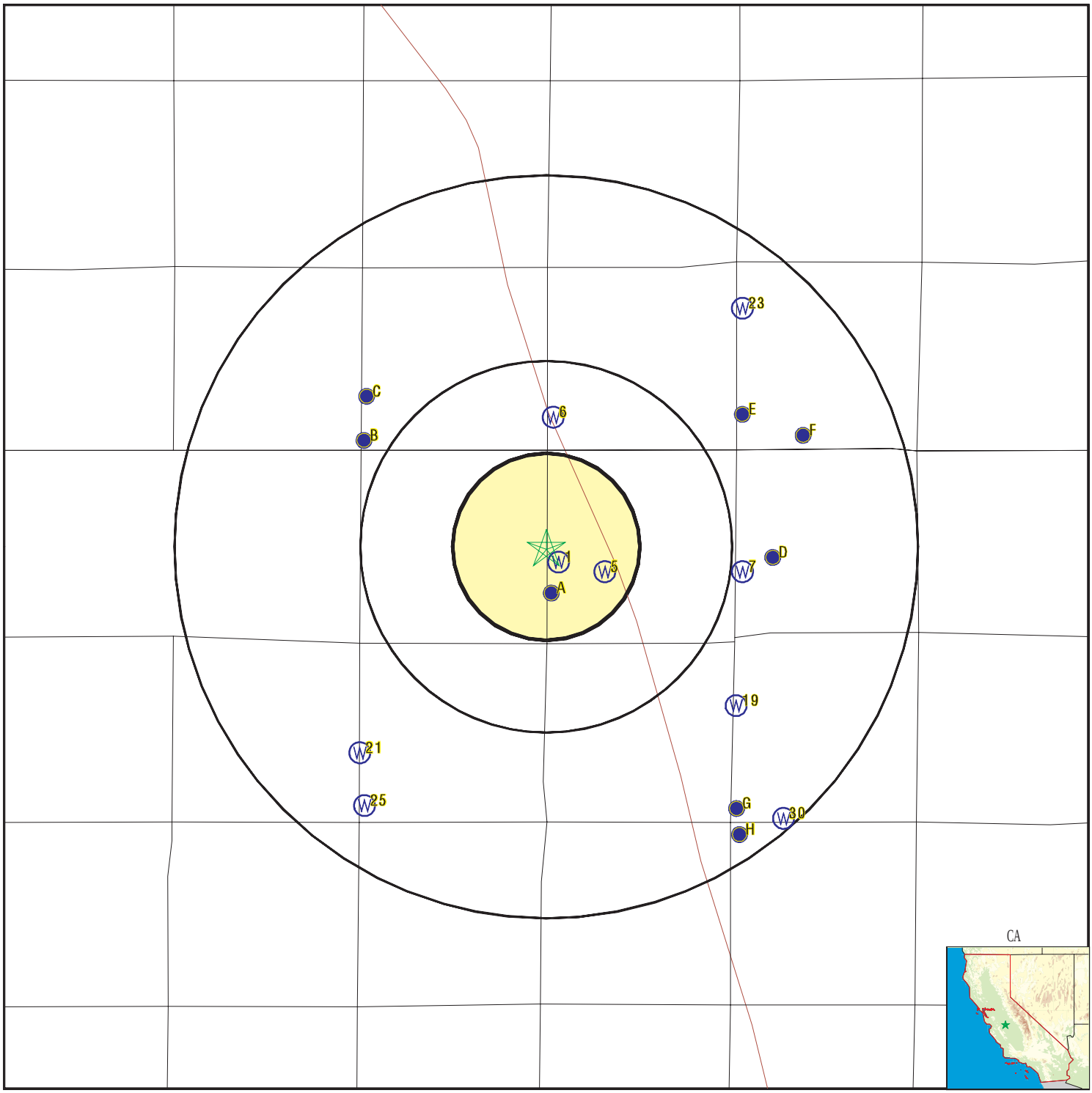
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADW50000023973	0 - 1/8 Mile SE
A2	CADW50000023967	0 - 1/8 Mile South
A3	CADW50000023968	1/8 - 1/4 Mile South
6	CADW50000024020	1/4 - 1/2 Mile North
B8	CADW50000024004	1/2 - 1 Mile WNW
B10	CADW50000024018	1/2 - 1 Mile WNW
D15	CADW50000023974	1/2 - 1 Mile East
E17	CADW50000024021	1/2 - 1 Mile NE
C18	CADW50000024035	1/2 - 1 Mile NW
19	CADW50000023938	1/2 - 1 Mile SE
21	CADW50000023925	1/2 - 1 Mile SW
F22	CADW50000024013	1/2 - 1 Mile ENE
G24	CADW50000023915	1/2 - 1 Mile SE
25	CADW50000023905	1/2 - 1 Mile SW
H29	CADW50000023878	1/2 - 1 Mile SE
30	CADW50000023892	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 4352240.2s



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

0 1/4 1/2 1 Miles

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

N

SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota CA 93640 LAT/LONG: 36.7162 / 120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY #: 4352240.2s DATE: July 13, 2015 6:09 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SE** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CADW50000023973**

Latitude :	36.7156		
Longitude :	120.4138		
Site code:	367156N1204138W001	Casgem sta:	14S14E14G002M
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:	CADW50000023973

A2 **South** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CADW50000023967**

Latitude :	36.7144		
Longitude :	120.4143		
Site code:	367144N1204143W001	Casgem sta:	14S14E14G004M
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:	CADW50000023967

A3 **South** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CADW50000023968**

Latitude :	36.7144		
Longitude :	120.4141		
Site code:	367144N1204141W001	Casgem sta:	14S14E14G003M
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:	CADW50000023968

A4 **South** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS40000176776**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364252120244701		
Monloc name:	014S014E14G002M		
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:	36.7143948
Longitude:	-120.4140569	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:	201.00
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
1965-12-01	275.00	

5
ESE **FED USGS** **USGS40000176786**
1/8 - 1/4 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364255120243801		
Monloc name:	014S014E14G001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.7152281
Longitude:	-120.4115568	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:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19471110	Welldepth:	1007
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
North **CA WELLS** **CADW50000024020**
1/4 - 1/2 Mile
Lower

Latitude :	36.721254		
Longitude :	120.414058		
Site code:	367214N1204143W001	Casgem sta:	14S14E11Q001M
Local well:	14S/14E-11Q01	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000024020

7
East **FED USGS** **USGS40000176785**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364255120241401		
Monloc name:	014S014E13E001M		
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:	36.7152281
Longitude:	-120.4048899	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:	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
1966-08-01	6.00	

B8
WNW **CA WELLS** **CADW50000024004**
1/2 - 1 Mile
Higher

Latitude :	36.720289		
Longitude :	120.423072		
Site code:	367203N1204227W001	Casgem sta:	14S14E11N007M
Local well:	14S/14E-11N07	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000024004

Map ID Direction Distance Elevation	Database	EDR ID Number
B9 **WNW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000176840**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364312120252101		
Monloc name:	014S014E14D001M		
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:	36.7199504
Longitude:	-120.4235018	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:	211.00
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:	19670508	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
1967-05-01	11.00	

B10 **WNW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW50000024018**

Latitude :	36.720825		
Longitude :	120.423104		
Site code:	367206N1204232W001	Casgem sta:	14S14E11N003M
Local well:	14S/14E-11N03	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000024018

C11 **NW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000176878**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364318120251901		
Monloc name:	014S014E11N001M		
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:	36.721617
Longitude:	-120.4229463	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:	205.00
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:	Not Reported	Welldepth:	696
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D12
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000176792**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240902		
Monloc name:	014S014E13E003M		
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:	36.7157836
Longitude:	-120.403501	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:	191.00
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:	19630529	Welldepth:	499
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-05-01	175.00	

D13
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000176793**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240903		
Monloc name:	014S014E13E004M		
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:	36.7157836
Longitude:	-120.403501	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:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D14
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000176791**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240901		
Monloc name:	014S014E13E002M		
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:	36.7157836
Longitude:	-120.403501	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:	191.00
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:	19620228	Welldepth:	10
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D15
East
1/2 - 1 Mile
Lower

CA WELLS **CADW50000023974**

Latitude :	36.7158		
Longitude :	120.4032		
Site code:	367158N1204032W001	Casgem sta:	14S14E13E003M
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:	CADW50000023974

E16
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176873**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364317120241401		
Monloc name:	014S014E12N001M		
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:	36.7213391
Longitude:	-120.4048902	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:	191.00
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:	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
1960-05-01	247.00	

Map ID Direction Distance Elevation	Database	EDR ID Number
E17 **NE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW50000024021**

Latitude :	36.7214		
Longitude :	120.4049		
Site code:	367214N1204049W001	Casgem sta:	14S14E12N001M
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:	CADW50000024021

C18 **NW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW50000024035**

Latitude :	36.722533		
Longitude :	120.423254		
Site code:	367225N1204233W001	Casgem sta:	14S14E11N010M
Local well:	14S/14E-11N10	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000024035

19 **SE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW50000023938**

Latitude :	36.71		
Longitude :	120.4052		
Site code:	367100N1204052W001	Casgem sta:	14S14E13M001M
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:	CADW50000023938

F20 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000176852**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364314120240401		
Monloc name:	014S014E12N002M		
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:	36.7205058
Longitude:	-120.4021123	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:	Alluvium Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19500822	Welldepth:	920
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-11-01	98.00	

21
SW
1/2 - 1 Mile
Higher

CA WELLS **CADW50000023925**

Latitude :	36.708163		
Longitude :	120.423429		
Site code:	367082N1204234W001	Casgem sta:	14S14E14N005M
Local well:	14S/14E-14N05	Casgem s 1:	Irrigation
County id:	10		
Basin cd:	5-22.09	Basin desc:	Westside
Org unit n:	South Central Region Office	Site id:	CADW50000023925

F22
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW50000024013**

Latitude :	36.7206		
Longitude :	120.4018		
Site code:	367206N1204018W001	Casgem sta:	14S14E12N002M
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:	CADW50000024013

23
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176914**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364332120241401		
Monloc name:	014S014E12M001M		
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:	36.7255058
Longitude:	-120.4048903	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:	190.00
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
1956-04-01	88.00	

G24
SE
1/2 - 1 Mile
Lower

CA WELLS **CADW50000023915**

Latitude :	36.7064		
Longitude :	120.4052		
Site code:	367064N1204052W001	Casgem sta:	14S14E13N001M
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:	CADW50000023915

25
SW
1/2 - 1 Mile
Higher

CA WELLS **CADW50000023905**

Latitude :	36.7061		
Longitude :	120.4232		
Site code:	367061N1204232W001	Casgem sta:	14S14E14N003M
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:	CADW50000023905

G26
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176696**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364222120241501		
Monloc name:	014S014E13N001M		
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:	36.7060614
Longitude:	-120.4051674	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:	196.00
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
1950-12-01	72.00	

G27
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176682**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364220120241501		
Monloc name:	014S014E13N002M		
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:	36.7055058
Longitude:	-120.4051674	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:	196.00
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: 0

H28
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176670**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364218120241501		
Monloc name:	014S014E24D001M		
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:	36.7049503
Longitude:	-120.4051673	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:	196.00
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:	19600327	Welldepth:	1054
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	305.00	

H29
SE
1/2 - 1 Mile
Lower

CA WELLS **CADW50000023878**

Latitude :	36.705		
Longitude :	120.4049		
Site code:	367050N1204049W001	Casgem sta:	14S14E24D001M
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:	CADW50000023878

30
SE
1/2 - 1 Mile
Lower

CA WELLS **CADW50000023892**

Latitude :	36.7056		
Longitude :	120.4029		
Site code:	367056N1204029W001	Casgem sta:	14S14E13N003M
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:	CADW50000023892

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

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ARCADIS

Appendix D

Historical Topographic Maps and Aerial Photographs

Little Bear 1 & 2
SEC W. California Ave/San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4352240.4
July 13, 2015

EDR Historical Topographic Map Report

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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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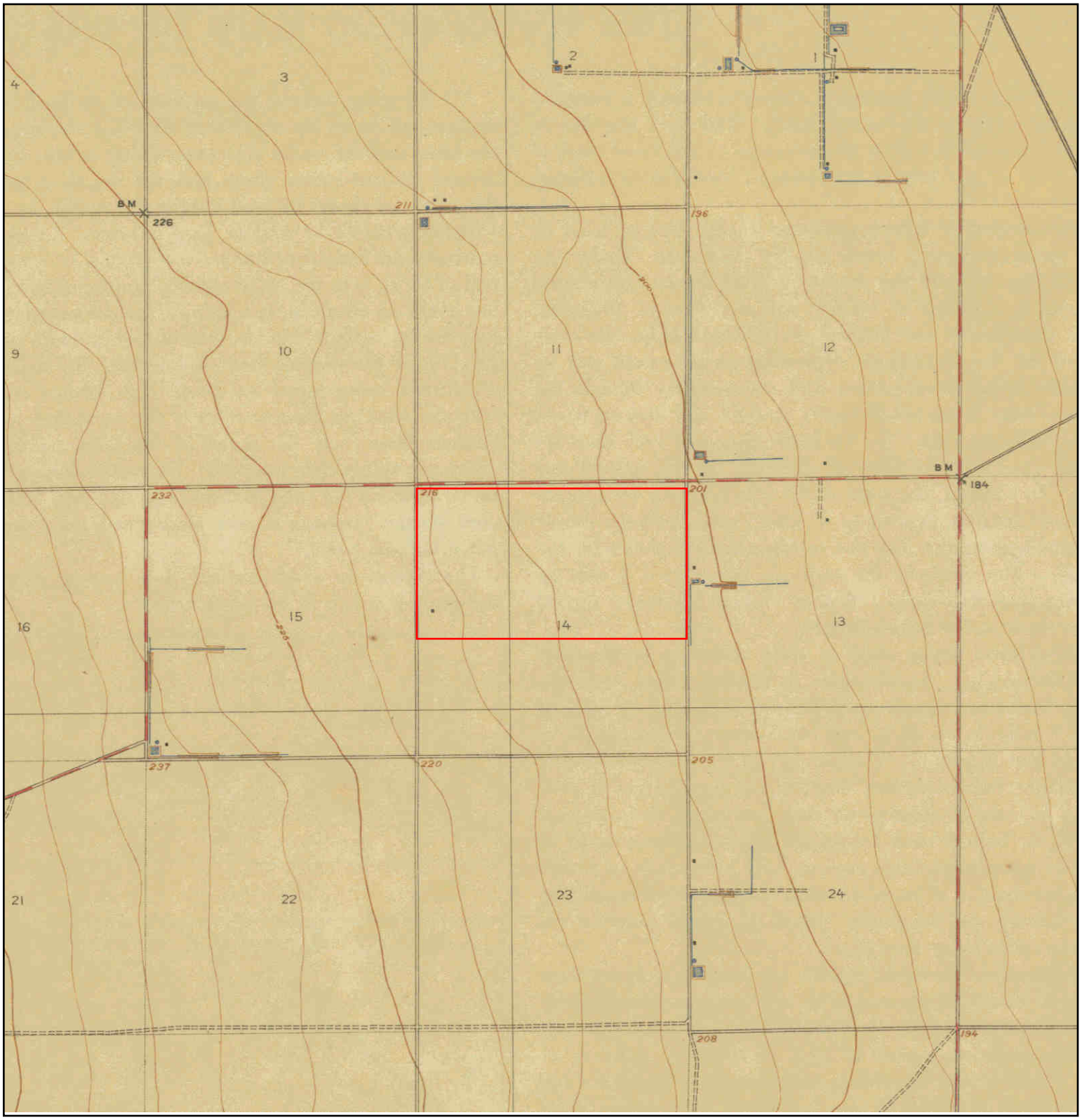
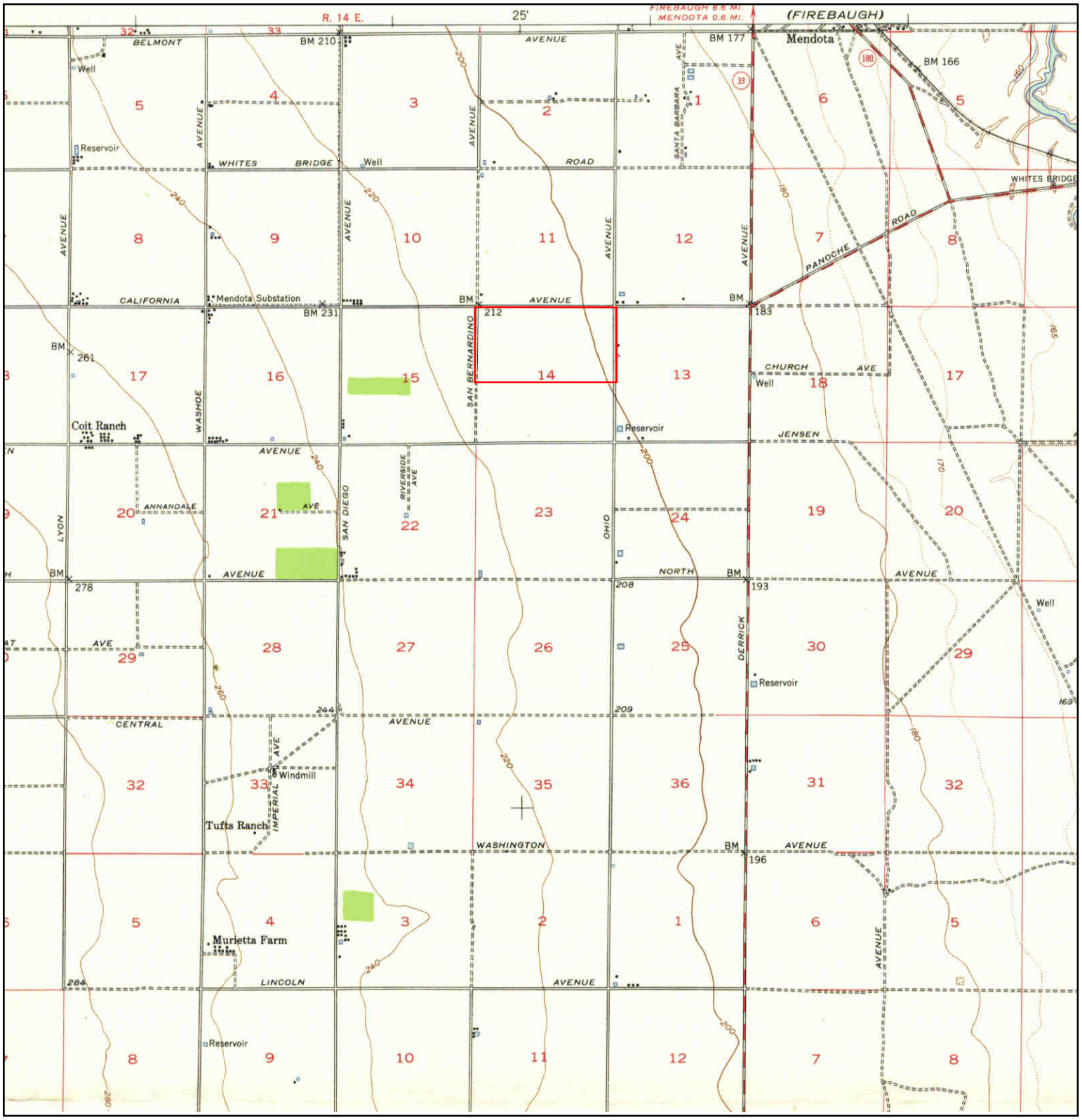
Historical Topographic Map



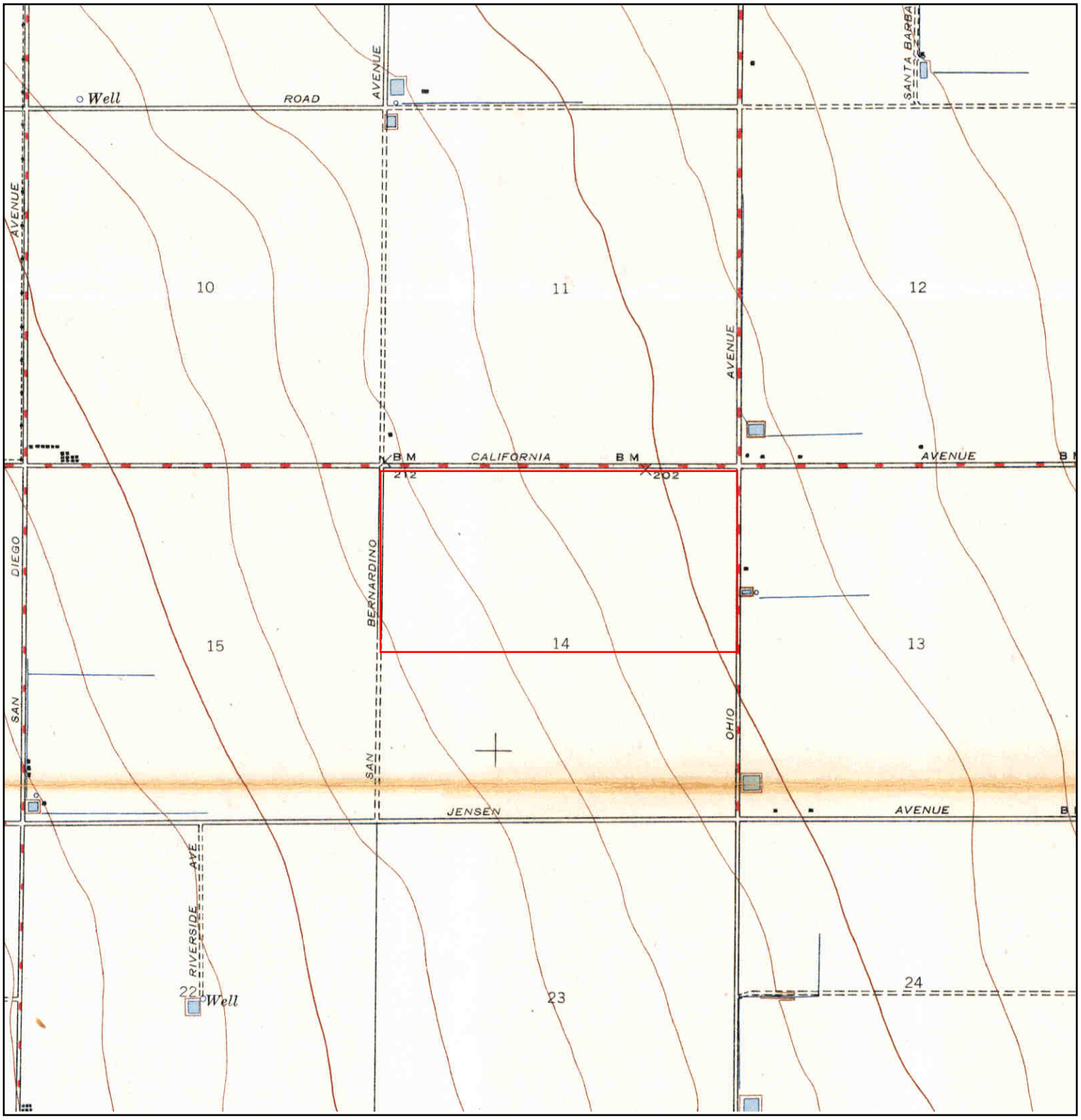
N	TARGET QUAD NAME: TUFTS RANCH=COIT RANCH MAP YEAR: 1922 SERIES: 7.5 SCALE: 1:31680	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



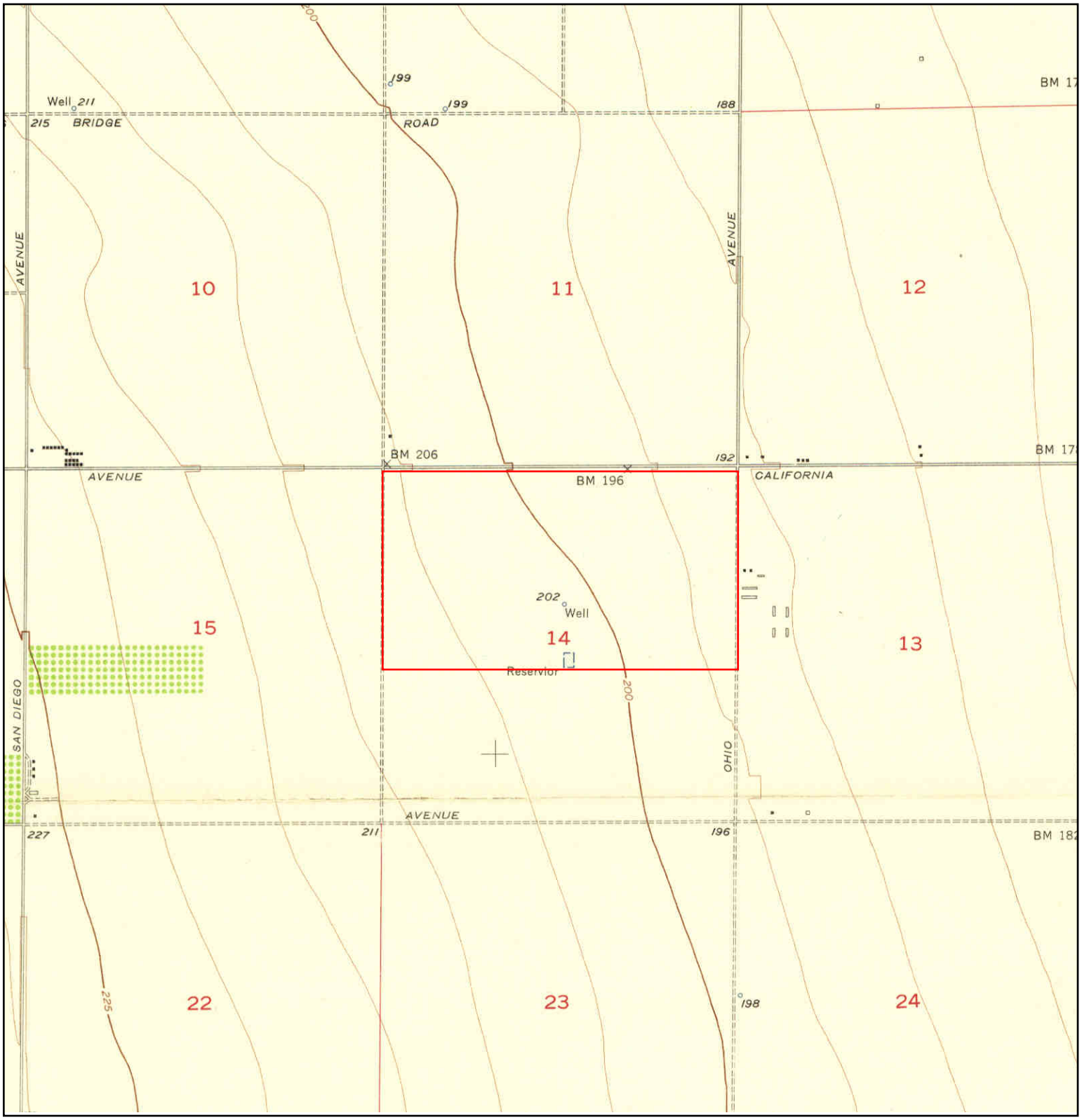
N	TARGET QUAD NAME: TRANQUILLITY MAP YEAR: 1946 SERIES: 15 SCALE: 1:62500	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



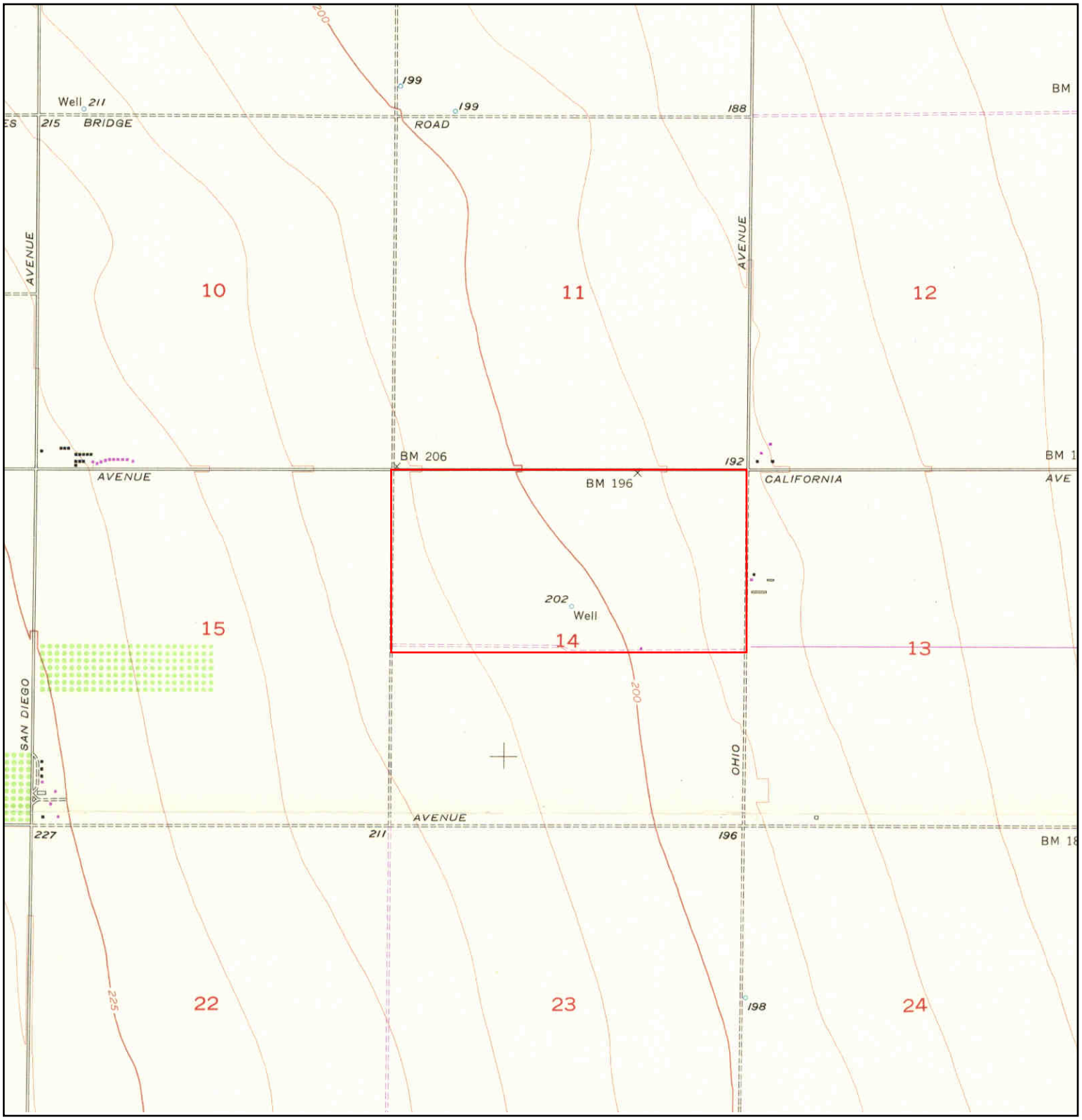
N	TARGET QUAD NAME: TUFTS RANCH MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



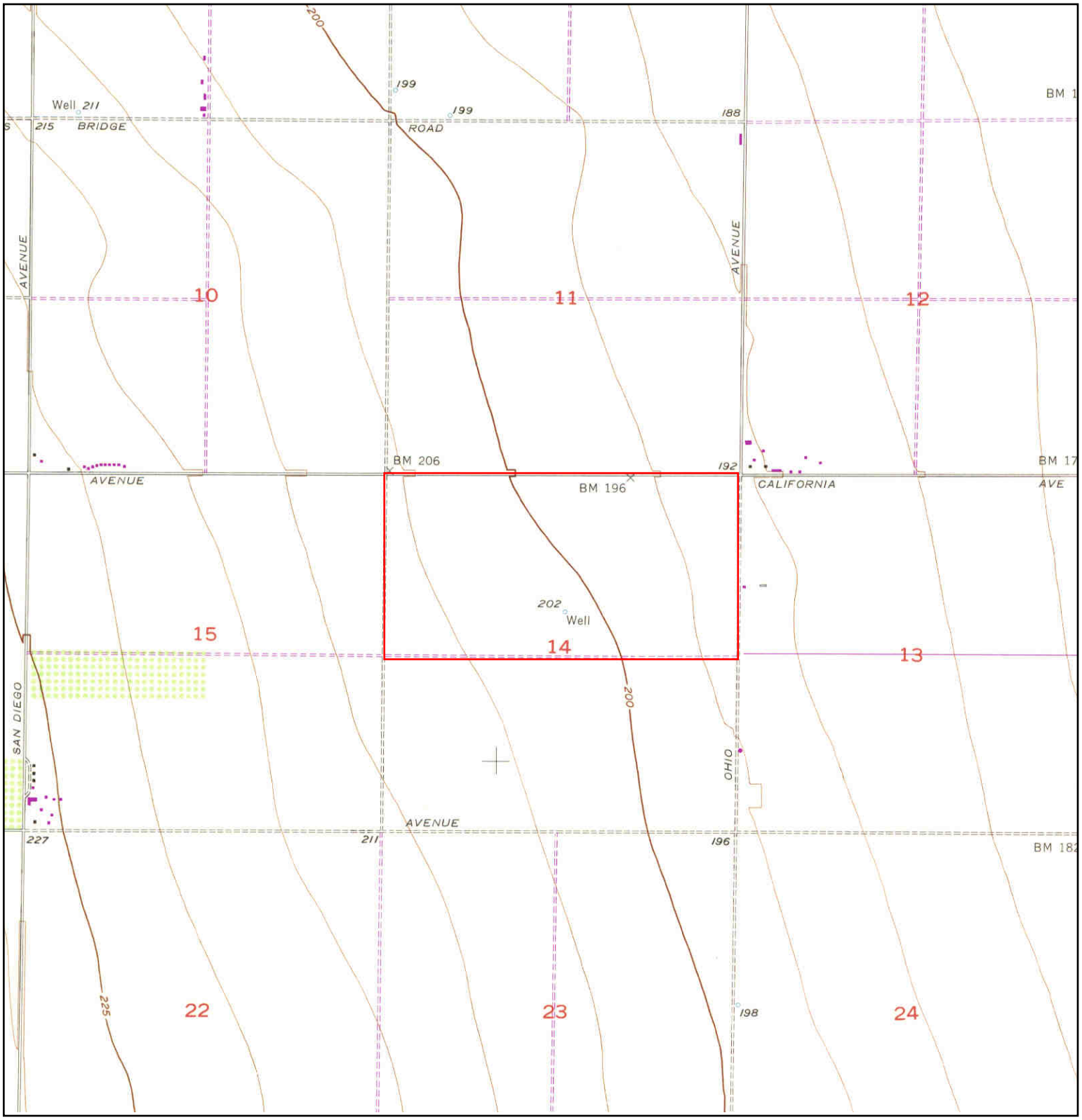
N	TARGET QUAD NAME: COIT RANCH MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



N	TARGET QUAD NAME: COIT RANCH MAP YEAR: 1971 PHOTOREVISED FROM :1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



N	TARGET QUAD NAME: COIT RANCH MAP YEAR: 1984 PHOTOREVISED FROM :1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Little Bear 1 & 2
SEC W. California Ave/San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4352240.9
July 16, 2015

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

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Date EDR Searched Historical Sources:

Aerial Photography July 16, 2015

Target Property:

SEC W. California Ave/San Bernardino Ave
Mendota, CA 93640

Year	***Scale***	***Details***	***Source***
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	USGS
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	USGS
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	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	USGS
1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987 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

INQUIRY #: 4352240.9
YEAR: 1937
= 500'
N
EDR

INQUIRY #: 4352240.9
YEAR: 1946
= 500'
N
EDR

INQUIRY #: 4352240.9
YEAR: 1950
= 500'
N
EDR

INQUIRY #: 4352240.9
YEAR: 1955
= 500'
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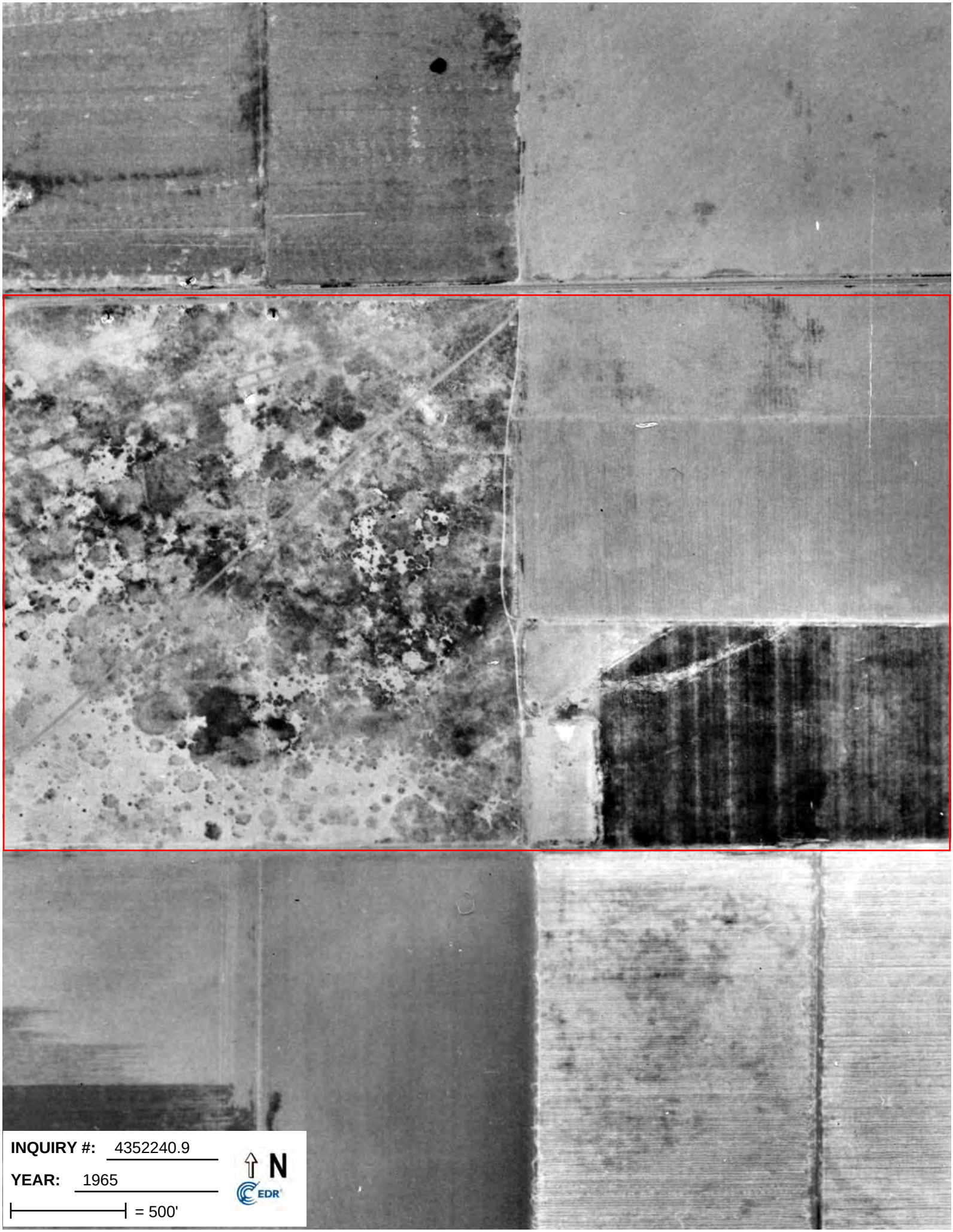
EDR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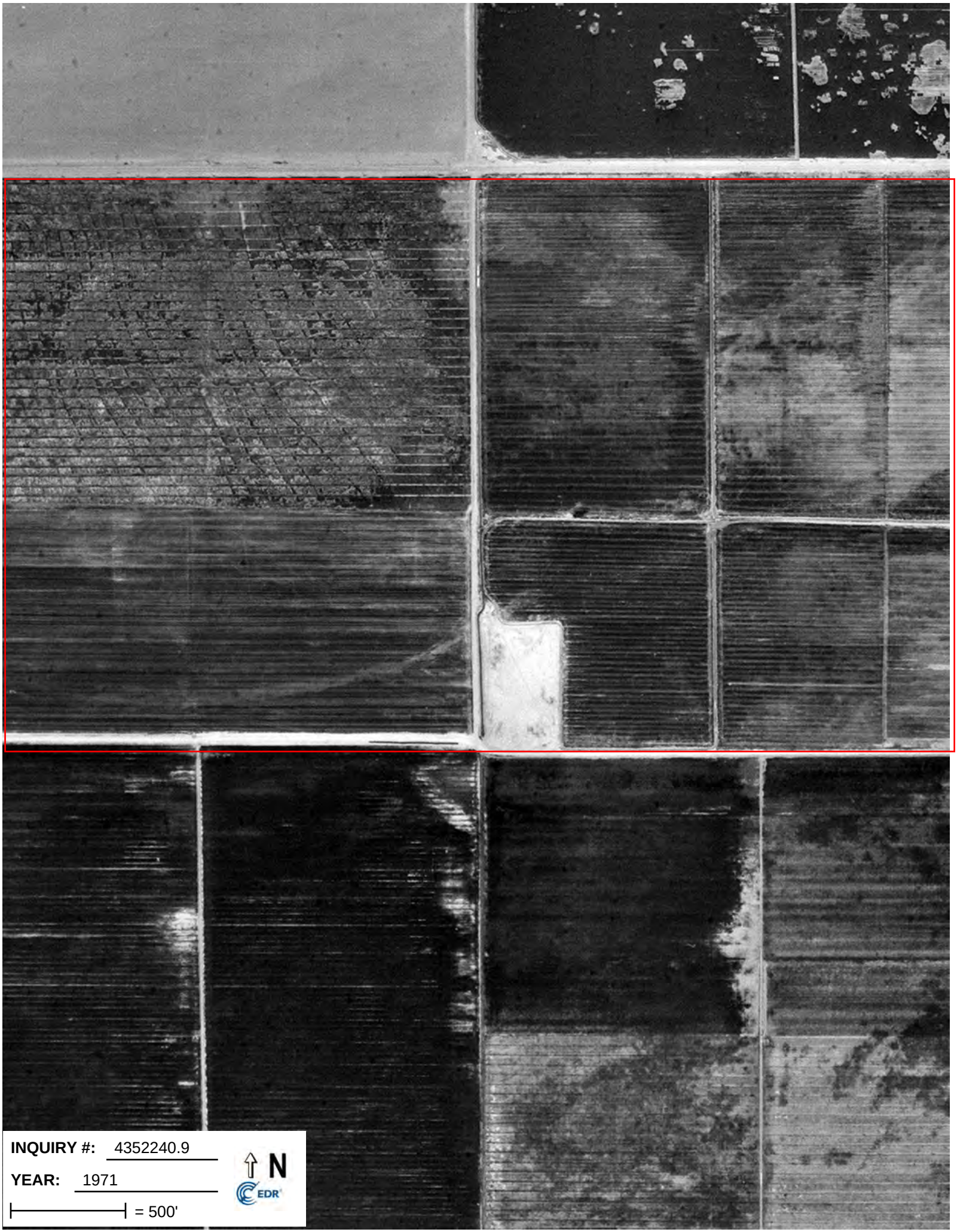
EDR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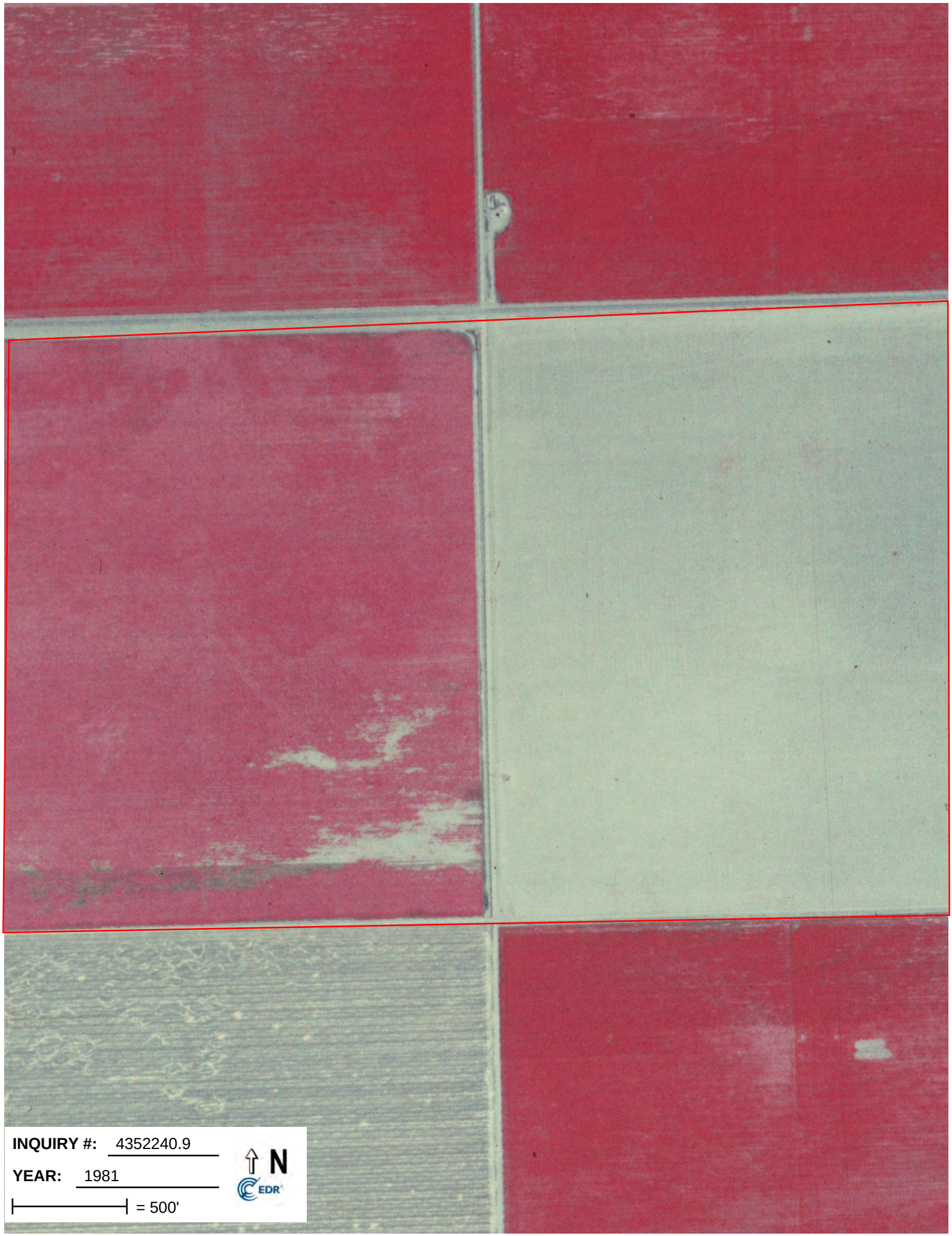
EDR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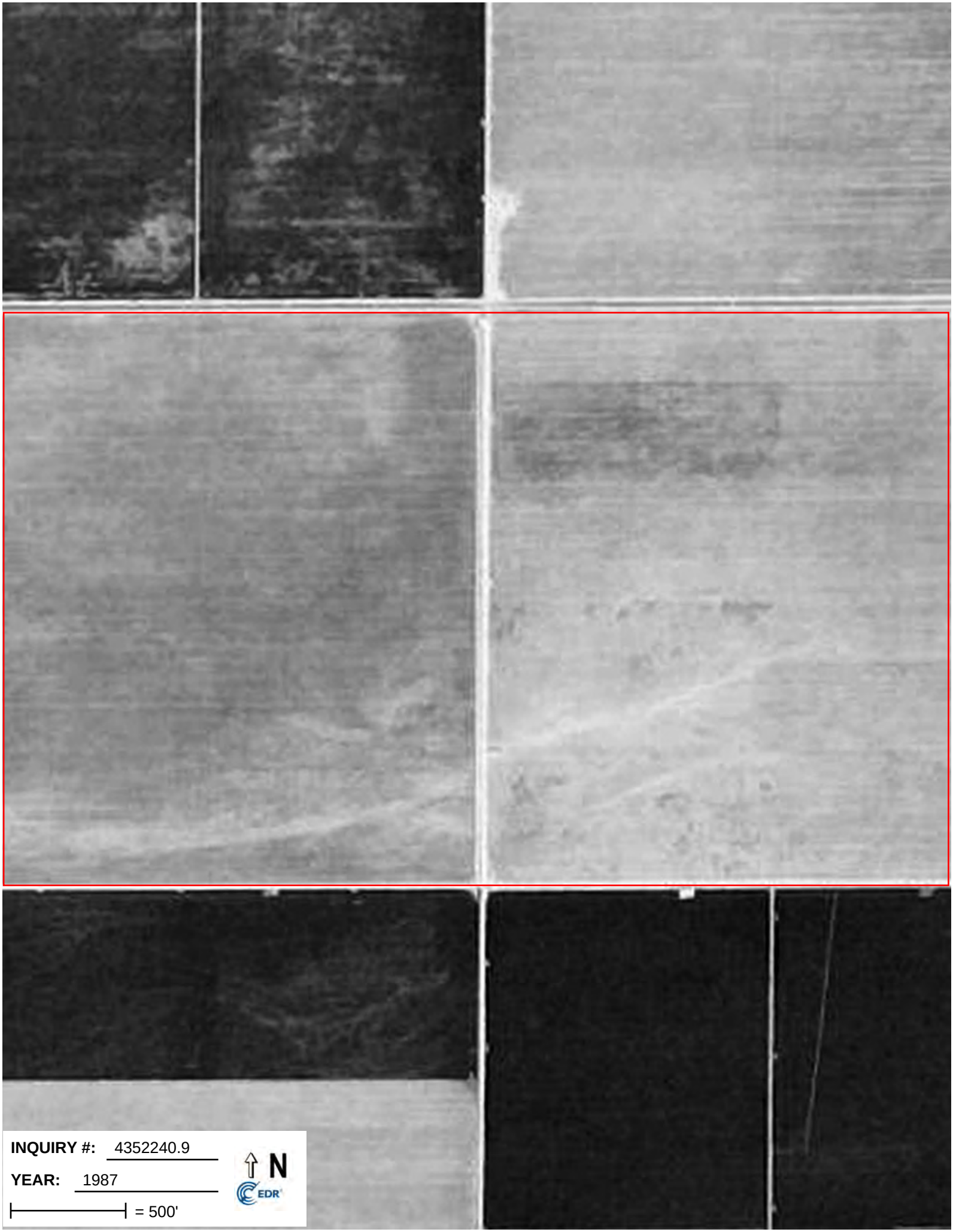
= 500'
N
EDR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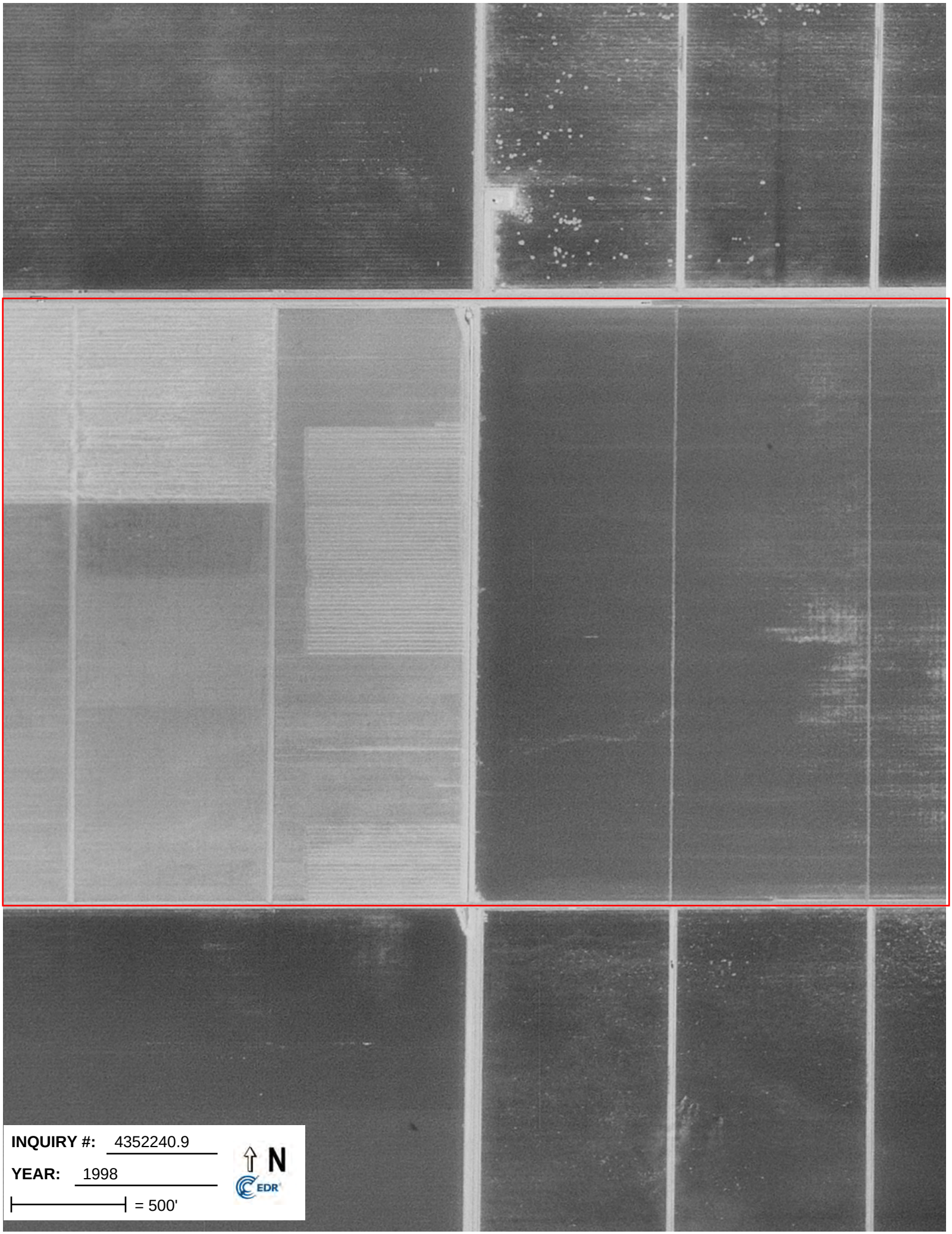
EDR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YEAR: 1998
= 500'
N
EDR

INQUIRY #: 4352240.9
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 4352240.9
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 4352240.9
YEAR: 2009
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EDR

INQUIRY #: 4352240.9
YEAR: 2010
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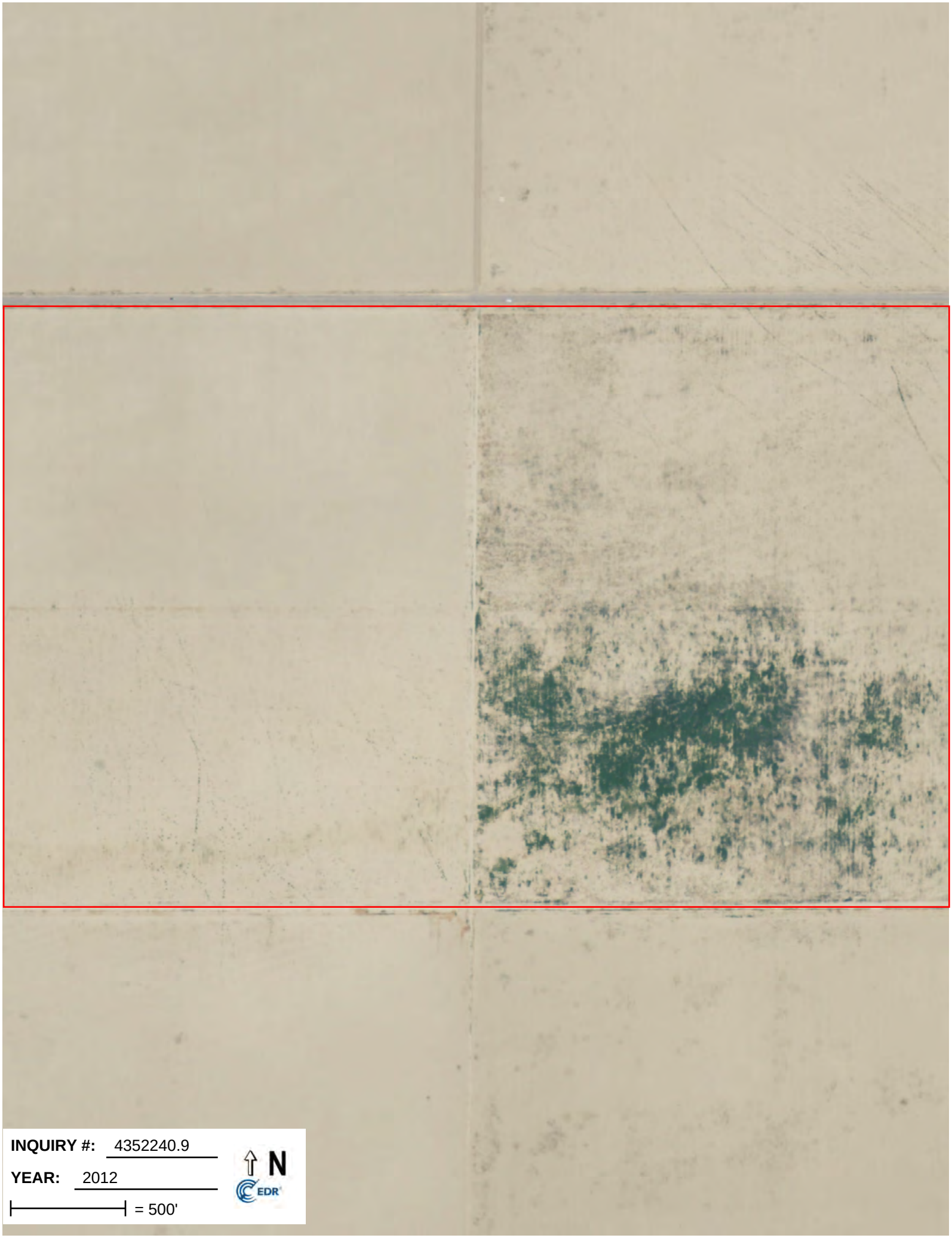

INQUIRY #: 4352240.9

YEAR: 2012

= 500'

N

Appendix E

Prior Reports

BSK

567 W. Shaw Ave., Ste. B
Fresno, CA 93704
(559) 497-2880
FAX (559) 497-2886

VIA HAND-DELIVERY **BSK E03.132.01F**

August 19, 2003

Mr. Russ Freeman
WESTLANDS WATER DISTRICT
3130 North Fresno Street
Fresno, California 93703

SUBJECT: Limited Phase I Environmental Site Assessment Report
31,500 Acres of Farmland within the Westlands Water District
Fresno County, California
Westlands W.D. RFP #03-402

Dear Mr. Freeman:

BSK Associates has conducted a Limited Phase I Environmental Site Assessment (LESA) of the various agricultural properties within the Westlands Water District (Westlands) in accordance with the scope of services presented in BSK's proposal E03.132.01F, dated June 25, 2003.

We appreciate this opportunity to be of continuing service to Westlands Water District. Please contact us if you have questions concerning the report.

Sincerely,
BSK ASSOCIATES

C. Scott Smith, P.E.
Senior Environmental Engineer

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT SMITH
No. 040118
Exp. 3/31/06
CIVIL
STATE OF CALIFORNIA

Amer A. Hussain, P.E.
Regional Manager

CSS/AAH/mlt

Enclosure: ESA Report

Distribution: Mr. Russ Freeman (1 unbound original, 3 bound originals, pdf copy)
BSK File 310 (1 original)

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J:\40\03\E0313201F Westlands 32K acre LESA\Westlands Limited ESA rpt.doc

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LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
31,500 ACRES OF FARMLAND WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA
WESTLANDS W.D. (RFP #03-402)

1.0 INTRODUCTION

This report presents the results of the Limited Phase I Environmental Site Assessment (LESA) of approximately 33,400 acres of agricultural properties (Site properties) within the Westlands Water District (Westlands) in Fresno County. The LESA was conducted for Westlands in accordance with the scope of services presented in BSK proposal E0313201F dated June 25, 2003.

The ESA was conducted in conjunction with the Peck Settlement. The Site properties have been divided into three transfer closings (Phases 2, 3 and 4). The Phase I of the property transfers were previously completed. In some cases, a given parcel is contained in more than one phase awaiting a determination of which transfer closing to be included in. The purchase of the Phase 2 properties is scheduled to occur in late 2003 with Phases 3 and 4 to follow in 2004 and 2005, respectively. The focus of the LESA was on conditions at the Phase 2 properties. Follow-up reviews of the Phase 3 and 4 properties will occur as the purchase date draws nearer to evaluate changes in conditions since the time of this LESA.

2.0 OBJECTIVE

The objective of the LESA was to identify and evaluate conditions at the Site properties, and adjacent properties, with regard to possible sources of recognized environmental conditions which may have impacted the Site. Recognized environmental conditions (RECs) are defined by the American Society for Testing and Materials (ASTM) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM, 2000).[1]

[1] The term "recognized environmental condition" includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

3.0 SCOPE OF ASSESSMENT

BSK's scope of services for the ESA consisted of the following:

- Acquire and review available information regarding historical land-use and development of the Site properties, including historical aerial photographs and land-use maps, and interview of property owner/lessee representatives.

- Acquire and review available information regarding the physical setting of the Site properties, including topographic, soils and groundwater maps.

- Review readily available State and Federal sources of known or potential hazardous waste sites, and inquire with local regulatory agencies for information regarding environmental permits, underground storage tank registration, environmental violations or incidents, and the status of known environmental impairments and enforcement actions at the Site and adjacent properties.

- Perform a reconnaissance of the Site properties including photographic documentation of general Site conditions and recognized environmental conditions, if present.

- Review of properties adjacent to the Site properties for indications of conditions that may have caused environmental impairment to the Site properties, as observable from the Site properties, public roads and farm roads,

- Prepare a report of the findings and conclusions.

While the LESA was generally conducted in accordance with the ASTM Standard referenced herein, it did not necessarily strictly adhere to all aspects of the standard. BSK's scope of services for the LESA did not include review information or conditions pertaining to properties beyond those immediately adjacent to the Site; acquisition of title documents; collection or analysis of soil, air, or building material, samples; nor evaluation of lead-based paint, or radon gas.

4.0 SITE LOCATION AND DESCRIPTION

The Site properties are generally located along the west side of Fresno County in areas extending from north of Mendota to south of Five Points. Collectively, the Site properties consist of about 33,400 acres of largely cropland, fallow land, farm land removed from production, farm roads, farming operation yards, and farm labor residences.

Appendix A includes the following:

- A map showing the locations/geographic coordinates for each of the properties.

- Maps, organized by family of ownership, indicating approximate parcel boundaries and geographic coordinates.

- A tabular listing of the properties by owner and Assessor's Parcel Number with a description of the number of acres involved in each phase. In cases where multiple phases are indicated for a given parcel, the actual number of acres involved in each transfer has not been determined.

5.0 PHYSIOGRAPHY, GROUNDWATER

5.1 Physiographic

The Site properties are located in the south-central portion of the San Joaquin Valley. The San Joaquin Valley, which forms approximately the southern half of the Great Central Valley of California, is a gently sloping, nearly unbroken alluvial plain bounded on the east by the Sierra Nevada and on the west by the Coast Ranges. The San Joaquin Valley contains two basins namely in the north, the San Joaquin Basin, which is drained by the San Joaquin River, and in the south, the Tulare Basin, which is normally a hydrologically closed basin of interior drainage, but which in extremely wet years, drains northward to the San Joaquin River (Page, 1986).

Alluvium derived from the Coast Ranges interfingers eastward with material derived from the Sierra Nevada to the east. The Sierran soil deposits are overlain by a veneer of flood-basin deposits derived from the Coast Ranges to the west and the Sierra Nevada to the east. The flood-basin deposits are of variable thickness (typically 5 to 35 feet) and texture, but are primarily fine-textured, moderately to densely compacted. The basin clays have a low permeability and greatly impede the downward movement of water.

The natural drainage of the Site properties is generally to the northwest with ground surface elevations ranging from about 200 feet in the east central-portion near tranquility to about 275 feet in the southwest portion feet near Five Points.

5.2 Hydrogeology

The hydrogeology of the region is strongly influenced by fine-textured, low permeablity clay known as the Corcoran Clay member of the Tulare Formation (Page 1986). The Corcoran Clay (also known as the E-clay) is a thick, diatomaceous lacustrine clay layer. It is the primary aquiclude in the region, essentially separating the unconfined or semi-confined groundwater above the clay from the confined groundwater below. The E-clay, which is laterally extensive beneath the Site properties, occurs at a depth of about 500 to 600 feet, and is about 40 to 60 feet thick. Extensive layers of other more

shallow clays have been designated A (shallowest) to D, which can create confined or semi-confined conditions, depending on location. The unconfined to semi-confined aquifer consists of Coast Range alluvial deposits, derived largely from the erosion of marine rocks, and flood plain deposits, and is typically high in salt concentrations. These deposits become thinner moving eastward, essentially disappearing near the Valley tough located east of the Site.

Perched ground waters occur over a substantial portion of the site properties. Within the general vicinity of the Site properties, perched waters may occur at depths ranging from less than 5 feet, typically along western potions of the Site properties, to about 20 feet, typically along the eastern portions.

5.3 Surface Water

Surface waters in the vicinity of the Site properties include, lined irrigation canal the California Aqueduct, unlined canals and ditches, tail ponds, and storage reservoirs. Several basins, which are now normally dry and vary substantially in size and were previously used for disposal of collected subsurface agricultural drainage water are also present. The San Luis Drain, once used for conveyance of subsurface agricultural drainage waters to the Kesterson Reservoir (located several miles north of the Site), traverses portions of the Site properties.

5.4 Soils

In the valley trough, which extends through the area of the Site properties, soil deposits derived from the Sierra Nevada are predominantly well-sorted sand, approximately 400 to 500 feet thick, thinning eastward and westward. Shallow soils at the Site properties consist largely of basin and basin rim deposits. The soils are largely silty clays and clays with varying alkalinities and typically slow permeabilities.

6.0 HISTORICAL BACKGROUND

Information on the history of the Site properties was obtained through the review of land-use maps, available aerial photographs, and interviews with individuals familiar with Site properties histories and usage.

The current owners of the Phase 2 properties were interviewed by BSK as a part of the LESA, in addition, owners of the Phase 3 and 4 properties which have fuel, chemical and/or equipment storage areas, or which have operated subsurface drainage collection systems were also interviewed.

Agricultural development of the Site properties began in the early 1940s and by the late 1980; they had been largely developed to their current state. Subsurface drainage collection systems were largely installed in the 1970s and, by the mid-1980s, the preponderance of them were not in use. Subsequently, significant areas of the Site, particularly along the western portions, are now longer farmed due to rising perched water levels.

Land Use Maps and Aerial Photographs
Aerial photographs for 1977, maintained by Westlands, and for 2000, obtained from the internet (www.terraserver-usa.com) were reviewed for information on historical usage of the Site properties. The review focused features at the numerous farming operation yards, and other structures. The review found that:

- All but one of the current operation yards was present at the time of the 1977 aerial photographs. The exception consisted of a storage yard and shed in Section 28, T13S/R14E (see Section 7, R&J Silveira)

- No demolished structures were identified.

- Addition of a few small structures, and or expansion of equipment storage areas occurred in some areas.

No indication of waste piles or surface impoundments were observed within the farming operations areas.

7.0 SITE RECONNAISSANCE AND ADJACENT PROPERTIES REVIEW

The reconnaissance of Site properties and review of adjacent properties, were performed by BSK Senior Environmental Engineer, C. Scott Smith, PE, between July 11 and August 7, 2003. At the time of the visit of the Phase 2 farming operation yards, and most Phase 3 and 4 yards, BSK was accompanied by a property owner representative.

7.1 Site Reconnaissance

The principal crops of the Site properties are cotton, tomatoes, grapes, alfalfa, onions and garlic. No orchards or rice fields are present. Several farming operation yards, and numerous water well sites (both electric and diesel-powered), abandoned subsurface drainage collection system pumps and associated reservoirs, and water storage reservoirs were observed.

Minor spillage of fuels was observed at most diesel-powered well sites, above-ground fuel tanks (AGT), motors, and/or well lubrication systems. Upon further investigation, it was determined that the petroleum products and oils appeared to be limited to the upper 1-foot of soils.

The preponderance of the subsurface drainage collection systems were inoperative and have dry associated reservoirs. Exceptions included a few systems being used for recirculation (onsite usage) of collected waters.

Irrigation ditches along the travel routes were periodically reviewed for indications of soils discoloration, water discoloration, surface sheen, and similar indications of fuels and chemical

introduction. No conditions appearing to be associated with the introduction of fuels or chemicals were observed.

Features of particular interest are summarized in Sections 7.2 through 7.4 for Phase 2 through 4, collectively. For Site properties that are currently listed under multiple phases, the observations are presented for the first phase in which they are listed. The future Phase 3 and Phase 4 update reports will address the changes in phase designation as they occur.

7.2 Phase 2

R&J Silviera (SW ¼, Section 28, T15S/R14E)

Included within the parcel are an equipment storage yard and storage shed/shop. The building has a concrete slab. A limited number of farm equipment vehicles were present (Figure 1, No 1, Phase 2 Site Photographs).

No fuel or chemical storage containers were observed at the facility and no visual or odors indications of fuel or chemical spillage were observed.

Within the shop were various tolls and small farm equipment hardware. No fuel or chemical containers or indications of spillage were observed.

No AGTs or above-ground features associated with underground fuel storage tanks (UST were observed at the facility. According to Mr. Silveira, no USTs or AGTs have been present and no chemicals have been stored.

Tom Thomsen (SW¼, Section 5, T 17S/R16E)

Mr. Eric Grouleff, farm manager, accompanied BSK during the reconnaissance on August 8, 2008. Included within the parcel are a farm office building and an equipment yard containing various farm equipment and vehicles (Figure 1, No. 2). On the east end of the yard is a concrete slab, reportedly associated with a former tool shed, and AGTs were reportedly present to the east of the slab. According to Mr. Grouleff, the shed and two diesel AGTs were at the location for only a few years and were removed few weeks ago. Minor soil discoloration from oils was observed at the reported location of the AGTs.

7.3 Phase 3

Seasholtz (SW¼, T14S/R14E and NE¼, and Section 25, T13/R13)

Included at both parcels are farming operations yards. On August 6, Mr. Seasholtz declined to provide access to the facilities until such time the properties are being considered for transfer. Accordingly, the facility was reviewed from adjoining areas, only. Observed were fuel storage areas, AGT(s), chemical container disposal areas, a shop, and equipment storage areas. No indications of

above-ground features associated with USTs, waste piles or other waste disposal areas were observed. An onsite review will be conducted in conjunction with the phase 3 update.

Wolfsen (SW ¼ Section 3, T15S/R15E)

Mr. Justin Spellman accompanied BSK during the reconnaissance on August 7. Included within the parcel are a large storage building, liquid fertilizer tanks, and a cotton gin.

The large storage building, which has a concrete slab, contained various agricultural chemicals (Figure 2A, No. 1). Minimal spillage was observed with in the building and no indication of spillage was observed in the adjoining exterior areas.

Drainage from the facility is generally to the northwest toward a shallow drainage ditch which terminates onsite. Upon further observation it appeared that the soils within the ditch were discolored from on-site processes. Mr. Spillman explained that the discoloration was largely due to runoff originating from the area of the liquid fertilizer tanks and from San Diego Avenue, adjoining the parcel on the west. No other potential sources of the discoloration were evident.

A cotton gin is located to the north of the yard. Included is a below grade hydraulic compressor. The compressor is within an enclosed concrete vault.

Wolfsen (SW¼ and NW¼ Section 4 T15S/R15E)

Mr. Justin Spellman accompanied BSK during the reconnaissance on August 7, 2003. Included within the parcel is a farming operation yard including AGTs, a maintenance building, a drum and waste oil storage area, outdoor equipment storage areas, and a crop-duster landing strip.

The AGTs, located in the east central portion of the facility, are within a concrete spill-containment berm (Figure 2A, No. 2). The drum storage area, containing empty 55-gallon lubricant drums, and a waste oil tank are present in the northwest portion of the facility (Figure 2A, No. 3). The waste oil tank is also surrounded by a concrete berm (Figure 2A, No. 4). No indications of excessive spillage of oils, beyond minor "drippings" were observed.

A north-south oriented crop-duster landing is begins along the eastern boundary of the yard and extends about ½-mile to the north. According to Mr. Spellman, the strip is maintained by others who utilizing the strip to serve Wolfsen. The turn-around and chemicals loading area is located on south end of the strip the east end of the yard. Within the area is a water tank, for chemical formulation, a bin with empty 2 to 5-gallon plastic pesticides and herbicides containers, and bags of dry sulfur. According to Mr. Spellman, the containers are triple-rinsed and recycled and the waters used in chemical formulation in the aircraft hoppers. Portions of the turn-around area are paved. Exposed soils in unpaved areas adjoining the turn-around on the west were discolored from landing-strip operations (Figure 2, No. 4). According to Mr. Spellman, much of the discoloration is associated

with organic-based fertilizers which are mixed into selected application formulations. No odors typically associate with herbicides or insecticides were encountered.

Peck (SW1/4,S12,T16S/R14E)

Mr. Ken Peck, farm manager accompanied BSK during the reconnaissance on August 1, 2003. Included within the parcel is a farming operation yard including AGTs, a shop, maintenance buildings, drum and waste oil storage and outdoor storage areas for vehicles farm equipment and farm implements are stored in various areas of the facility.

Several diesel AGTs and liquid fertilizer AGTs are present (Figure 2B, No. 1). Minor spillage was observed near the dispensers of a few AGTs. Digging into shallow soils, using a shovel, found indications of oils to be limited to less than the top about 1-foot of soils.

Lubricant drums are stored in the northeast portion of the yard and no indication of significant spillage or leakage was observed (Figure 2B, No.2). Agricultural chemicals are stored on wooden pallets within a building with concrete flooring.

A tire maintenance building is located to the north of the shop. According to Mr. Peck, an underground gasoline fuel storage tank (UST) was removed from the east side of the building in about 1990 (Figure 2B, No. 3). He indicated that only minor leakage from the inlet piping was observed that there is no documentation of its removal.

A steam cleaning system adjoins a tire shop to the west. Wastewater is discharged to a small unlined sump. Minor oil accumulation was observed on the water surface and the exposed side walls of the sump (Figure 2B, No. 4).

Peck (NW¼, Section 5, T16S/R15E)

A series of six large, connected subsurface drainage basins is present. The basins are divided by drive on berms and collectively comprise about 130 acres and, according to Mr. Peck, have not been used for several years. Salt accumulation was observed in some of the low points of the reservoirs (Figure 2B, No. 5). The basins are subject to closure requirements of the California Regional Water Quality Control Board (see Section 8.2)

7.4 Phase 4

Peck (SW, Section 12, T16S/R14E)

A crop duster landing strip is located along the eastern boundary of the parcel (Figure 3A, No. 1). Surface discoloration of the paving and exposed soils was along the eastern portion of the turn-around area, located at the south end of the strip. To the east of the strip is a ditch where burning of plastic chemical containers is evident.

Tom Thomsen (NW¼, Section 15, T 17S/R16E)

Mr. Eric Grouleff, farm manager, accompanied BSK during the reconnaissance on August 1, 2003. The parcel consisted of a farm operations yard which, included a large area designated for vehicle and equipment storage, AGTs (Figure 3A, No. 2), liquid fertilizer storage tanks, a shop, and adjoining farm equipment maintenance area (Figure 3, No.3). The chemicals present were limited to small containers within in covered areas.

Piping from the dispenser to the gasoline is above ground. Digging into the soils near the AGTs found indications of fuels to be limited to the top about 1+ foot of soils in some areas. According to Mr. Grouleff, no USTs have been present at the property.

The yard contained various farm equipment and vehicles. On the east end of the yard is a concrete slab reportedly associated with a former tool shed and AGTs were reportedly present to the west of the slab. According to Mr. Grouleff, the shed and two diesel AGTs were at the location for only a few years and were removed few weeks ago. Minor soils discoloration from oils was observed at the reported location of the AGTs.

O'Neill SW1/4, Section 4,T18S,R17E

Mr. Mr. Curtis Stubblefield, farm manager, accompanied BSK during the reconnaissance on August 1, 2003. Included within the parcel is a maintenance building and equipment storage area.

Minor repairs of farm equipment and vehicles are reported to be conducted within the building. Included is a tool room and a petroleum-based lubricants storage area (Figure 3B, No. 1). Adjoining the building on the east is a covered well pump storage area (Figure 3B, No. 2). A waste oil tank is present on the north side of the building. Farm equipment is stored in an unpaved area to the east of the building (Figure 3B, No. 3).

No indication of oil spillage or chemical storage was observed during the site recon.

Orff (NW¼, Section 31, T15S/R15E)

Mr. Frank Orff accompanied BSK during the reconnaissance. Present within the parcel is a farming operations headquarters including a chemical storage building, AGTs, various equipment storage areas and equipment and vehicle repair areas.

The agricultural chemical storage building is located in the north-central portion of the facility and has concrete slab flooring. (Figure 3C, No. 1). No indication of significant spillage was observed within the building or the adjoining exterior areas.

Hydraulic fluids are stored in a small shed to the west of the chemical storage building. A waste oil tank is present on the south side of the shed. A rack mounted 1,000-gasoline AGT and 13,000 gallon

diesel AGT, with a concrete spillage containment berm, are present on the north side (Figure 3C, No. 2).

7.5 Adjacent Properties Review

The adjacent properties were reviewed from the Site properties and adjoining public and farm roads. The preponderance of the adjacent properties are farmland. Farming operation headquarters with AGTs, equipment storage areas, well sites are also present in several areas. Also present in a few areas are abandoned subsurface drainage collection systems (which all appear to be abandoned) and associated dry drainage discharge basin, grain operations and cotton gins. No waste disposal areas, indication of features associated with USTs, crop-duster landing strip were observed.

An assessment conducted at a farm operations equipment yard located to the north of the Section 22, T13S/R14E, identified fuel hydrocarbons in soils associated with a leaking UST (BSK, 1996).

8.0 REGULATORY REVIEW

BSK's regulatory review included a review of selected agency regulatory data bases, inquires with agency representatives, and review of selected agency files. Appendix B contains a description of the regulatory programs associated with the lists reviewed.

8.1 Agency Lists

USEPA

The review of the following USEPA sources did not find any of the Site properties or adjacent properties currently listed:

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

National Priorities List (NPL)

RCRA Violators List (RCRA-Violators)

State of California

The review of the following State of California sources did not find any of the Site properties or adjacent properties currently listed:

- *Annual Work Plan (AWP)*
- *CalSites*
- *Site Mitigation and Brownfields Reuse Program*

- *Leaking Underground Storage Tank Information System (LUSTIS)*

- *Solid Waste Information System (SWIS)*

Fresno County Community Health Department (FCCHD)

The FCCHD participates in the Certified Unified Program Agencies (CUPA) program which is responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The Site properties and adjacent properties are not currently contained on the CUPA.

The Site and adjacent properties or adjacent properties are not currently listed.

8.2 Agency Inquiries and Files Review

Phase 2

The Wolsen parcel in Section 19, T14S/R15E previous include a discharge basin (solar evaporator) which received wastewater discharges associated with a agroforestry demonstration project. The RWQCB required that the basin be closed (capped compacted with low permeability soils). A closure plan was submitted by Murietta Farms in December 2002, approved by the CRWQCB and subsequently implemented (Appendix C). The project was completed last month and a report documenting closure in compliance with CRWQCB requirement is currently being prepared for submittal.

Phase 3

The California Regional Water Quality Control Board (CRWQCB) was contacted regarding the status of subsurface agricultural drainage basins. Based on the information contained in their files and our communications with Mr. Lonnie Wass, Supervising Engineer, the Peck drainage basins in Section 5 are required to be closed. In 1996, a Closure/Financial Assurance Plan was submitted by Peck. By letter dated May 24, 1996 (included as Appendix C) the CRWQCB did not accept the plan and requested further information. The required revised plan has not been submitted and, based on an interview with Mr. Wass on August 1, 2003, such a plan is still required.

9.0 SUMMARY AND RECOMMENDATIONS

Section 9.1 summarizes our findings and recommendations applicable to all phases and Sections 9.1 through 9.3 address our findings and recommendations individually applicable to Phases, 2, 3, and 4, respectively.

9.1 Phases 2, 3 and 4

Based on BSK's review of historical land use maps, selected aerial photographs, and interviews with property owner representatives, the Site properties have been farmed dating back to the 1940s or 1950s. Land use activities other than agricultural include a cotton gin and grain storage.

At the time of the reconnaissance, the Site properties land usage consisted principally of cropland, fallow land, and idle land. Other features observed included those typical with farming operations as well as single family residences, a cotton gin, and grain storage facility.

Waste disposal areas observed were limited to former (now dry) subsurface drainage discharge basins. Indoor chemical storage areas were observed at several facilities, No waste disposal sites, agricultural chemical storage areas, aircraft landing strips, or features associated with UST's were observed during the reconnaissance or were identified (based on our research) as having been present at the Site properties in the past.

Diesel engine-powered lift stations or water wells are present at a few sites. Soils discolored from diesel were observed near the ASTs, diesel engines, and lift pumps. Soils discoloration, in those areas reviewed, is limited to a depth of less than 2-feet. The condition can be regarded as *de minimus*, under the ASTM definition of recognized environmental conditions and, accordingly, no action appears warranted.

The Site properties and adjacent properties are not currently contained on the regulatory agency program lists reviewed in conjunction with the LESA.

No conditions which appear to have the potential to environmentally impair the Site were observed at the adjacent properties.

Agricultural properties are subject to the use of a variety of agricultural chemicals, including pesticides, herbicides, insecticides, fungicides, etc. Problematic concentrations of such chemicals in soil or water, those which would constitute recognized environmental conditions if evidenced, are most-commonly associated with agricultural chemical storage areas, formulation areas, equipment/container wash-down areas, or irrigation tail water conveyance and storage facilities. No such activities were identified as being currently or historically associated with the Site properties. However, general application of such chemicals may also result in environmental impairment under certain circumstances. While BSK found no evidence of recognized environmental conditions, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.

Oil-lubricated irrigation supply wells, such as those onsite, can potentially be a source of impact to groundwater, through loss of oil from the lubrication system or turbines. The regulatory agencies have not requested investigation of such potential releases in the absence of suspected impacts to

municipal water supplies. Further assessment would be required to evaluate whether such releases have occurred and if so, the conditions warrant further action.

Several of the parcels include farm labor residences, and/or office buildings and similar improvements. Such structures were not reviewed for the presence and condition of wall board, linoleum, and other potential asbestos containing materials (ACBMs). Due to the age of the Site structures, ACBM's and lead-based paints could be present. If demolition or renovations are to occur, testing for ACBMs by a Certified Asbestos Consultant and for lead-based paint would be required.

9.2 Phase 2

No conditions which appear to have the potential to environmentally impair the Site properties were observed, nor were conditions which appear to have the potential to environmentally impair the Site properties observed.

9.3 Phase 3

Peck

A UST was reportedly removed from the Section 12 yard in the early 1990s. It has not been established if there were fuel releases requiring possible remediation. Accordingly, it is recommended that an assessment be conducted to evaluate the potential for impacts to soils and groundwater.

Closure is required for the Section 5 subsurface drainage basins. It is conceivable that the CRWQCB may allow capping as a method of closure. Any closure method which satisfies the CRWQCB requirements would be a major undertaking.

Wolfsen

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

9.4 Phase 4

Peck

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Burning of empty plastic chemical containers was evident to the east of the area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

9.5 Adjacent Properties

An assessment conducted at a farm operations equipment yard located to the north of the Section 22, T13S/R14E, identified fuel hydrocarbons in soils associated with a leaking UST (BSK, 1996). The assessment report included a recommendation that the impacted soils be removed, or that the area be capped, to protect groundwater quality. BSK is not It is not known if groundwater beneath this site or the adjoining Site properties have been impacted.

No other conditions which appear to have the potential to environmentally impair the Site were identified.

10.0 LIMITATIONS

This report has been prepared for the exclusive use of Westlands Water District in conjunction with the subject settlement agreement. It is strictly prohibited for others to use or rely on the information contained in this report unless given express written consent of BSK Associates.

The findings and conclusions presented in this report are based on field reviews, and data obtained from the sources listed in the report. No other warranty, either express or implied, is made as to the findings or conclusions contained herein.

Industry associations and trade groups have published differing, and sometimes conflicting, guidelines for the preparation of site assessments. In many instances these guidelines provide a level of investigation which differs from current practice and the scope of services presented above. This report has been prepared in accordance with BSK's scope of services in general recognition of, as opposed to specific adherence to, the ASTM standard referenced herein.

The purpose of the assessment was to provide a preliminary evaluation for the possible presence of recognized environmental conditions at the Subject Site. This report provides neither certification nor guarantee that the properties are free of hazardous substance contamination nor individually in compliance with current regulations.

11.0 REFERENCES

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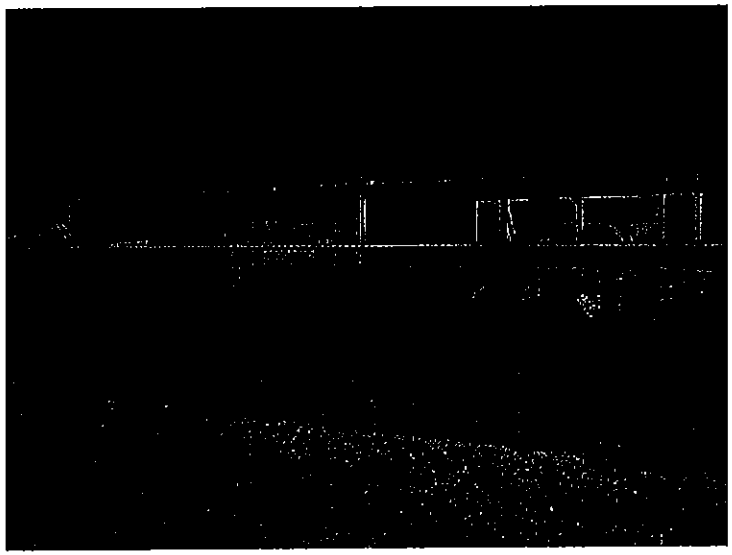
Page, R.W., 1986, *Geology of the Fresh Ground-Water Basin of the Central Valley, California*, U.S. Geologic Survey, Professional Paper 1401-c

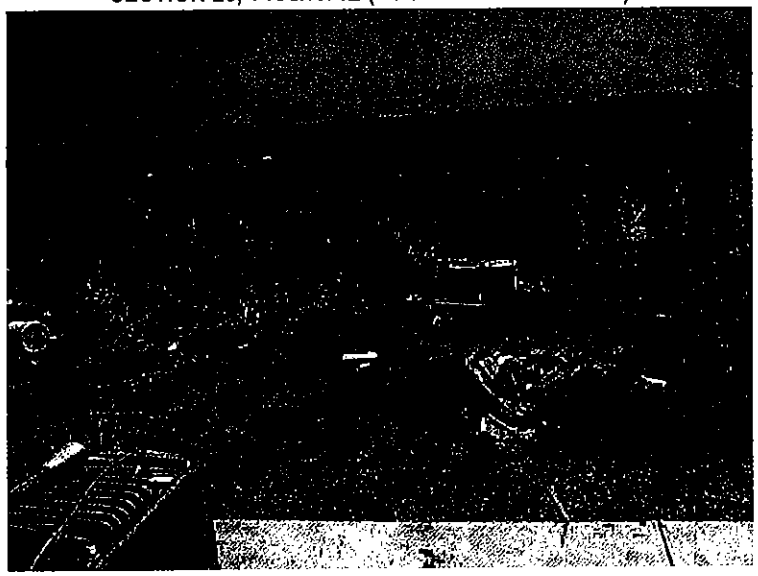
USDA, 1986, United States Department of Agriculture, Soil Conservation Service, *Soil Survey of King County, California. September 1986*

FIGURES

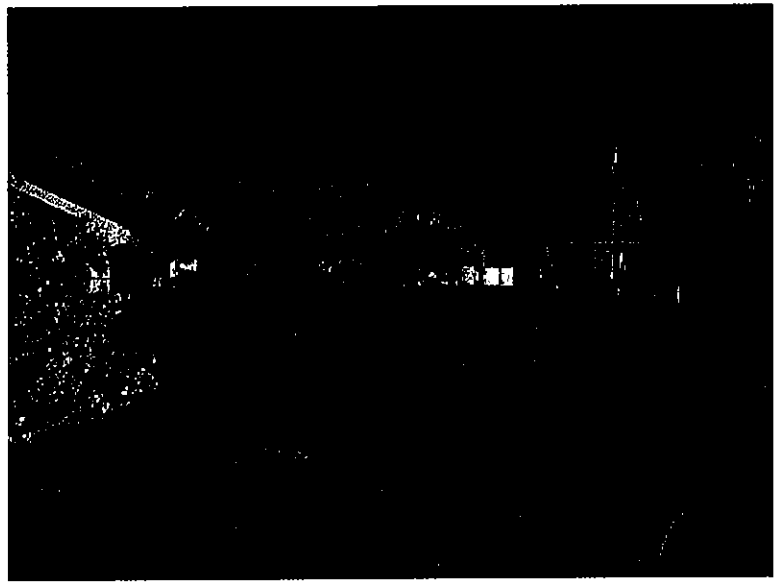
FIGURE 1A
BSK E0313201F
AUGUST 2003



NO. 1 FARM OPERATION YARD - R & J SILVEIRA
SECTION 28, T13S/R14E (LOOKING NORTHWEST)



NO. 3 LOCATION OF FORMER AGTS - T. THOMSEN
SECTION 5, T 17S/R16E (LOOKING EAST)



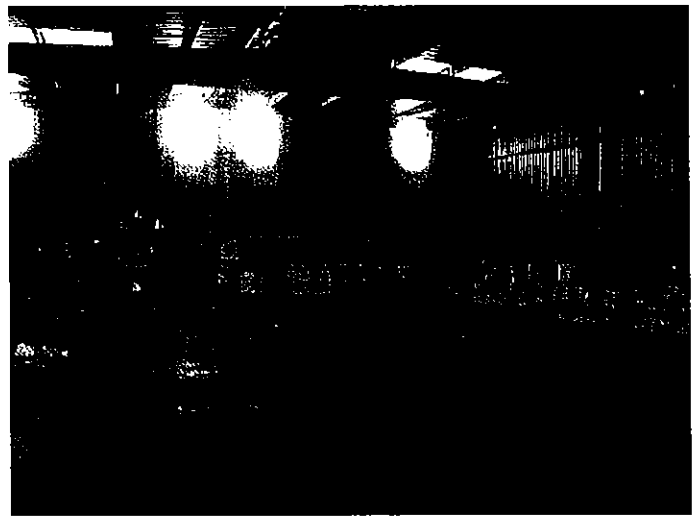
NO. 2 FARM HEADQUARTERS OFFICE AND EQUIPMENT YARD
T. THOMSEN - SECTION 5, T 17S/R16E
(LOOKING SOUTHEAST)

PHASE 2 SITE PROPERTY PHOTOGRAPHS

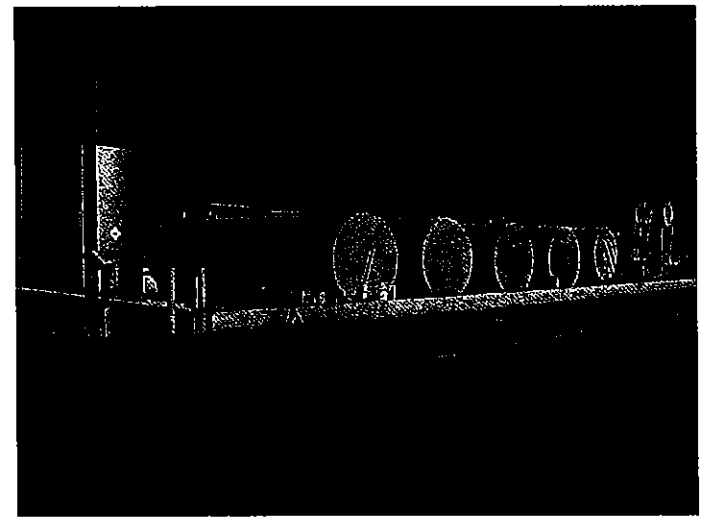
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 2A
BSK E0313201F
AUGUST 2003



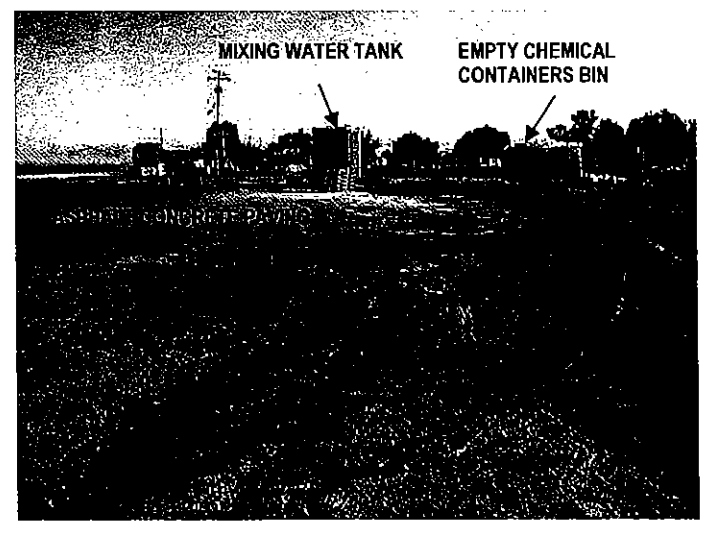
NO. 1 CHEMICAL STORAGE BUILDING - WOLFSEN SECTION 3, T15S/R15E (LOOKING NORTH)



NO. 2 AGTS WITHIN SPILLAGE CONTAINMENT BERM WOLFSEN - SECTION 4, T15S/R15E (LOOKING SOUTHEAST)

NO. 3 EMPTY DRUM STORAGE AREA - WOLFSEN SECTION 4, T15S/R15E (LOOKING NORTHWEST)

NO. 4 WASTE OIL TANK WITHIN SPILLAGE CONTAINMENT BERM - WOLFSEN - SECTION 4, T15S/R15E (LOOKING SOUTHEAST)



NO. 5 DISCOLORED SOILS ADJOINING LANDING STRIP TURN - AROUND AREA—WOLFSEN SECTION 4, T15S/R15E (LOOKING SOUTH)

PHASE 3 SITE PROPERTY PHOTOGRAPHS

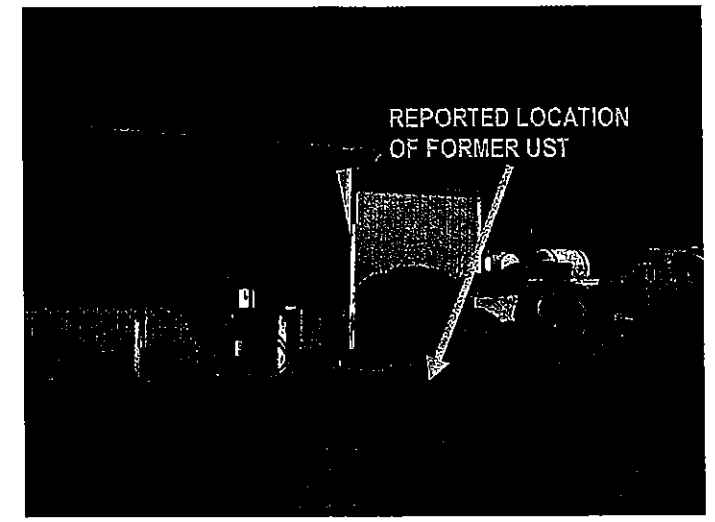
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 2B
BSK E0313201F
AUGUST 2003

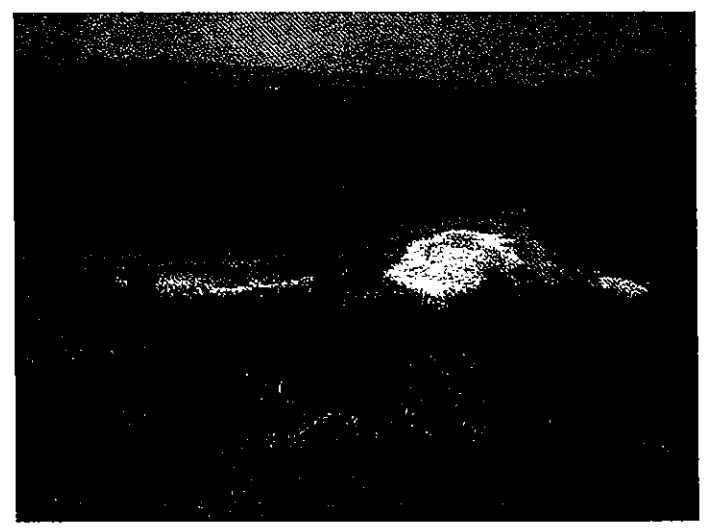
NO. 1 ABOVE-GROUND DIESEL AND LIQUID FERTILIZER TANKS - PECK - SECTION 12

NO. 2 DRUM STORAGE AREA - PECK - SECTION 12 (LOOKING NORTHEAST)

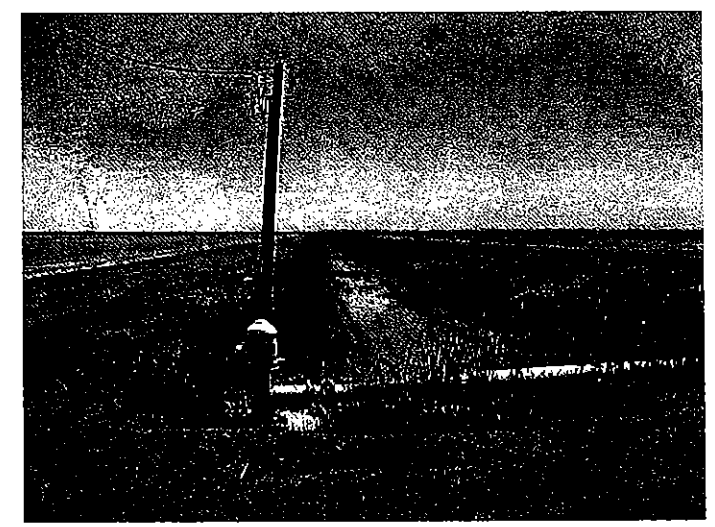


NO. 3 WASTE OIL TANK ON EAST SIDE OF TIRE MAINTENANCE SHOP. - PECK - SECTION 5, T16S/R15E (LOOKING WEST)

NO. 4 UNLINED WASH RACK WASTEWATER DISPOSAL SUMP - SECTION 4, T15S/R15E (LOOKING WEST)



NO. 5 ACCUMULATED SALT WITHIN DRAINAGE DISCHARGE BASIN. - PECK - SECTION 5, T16S/R15E (LOOKING WEST)



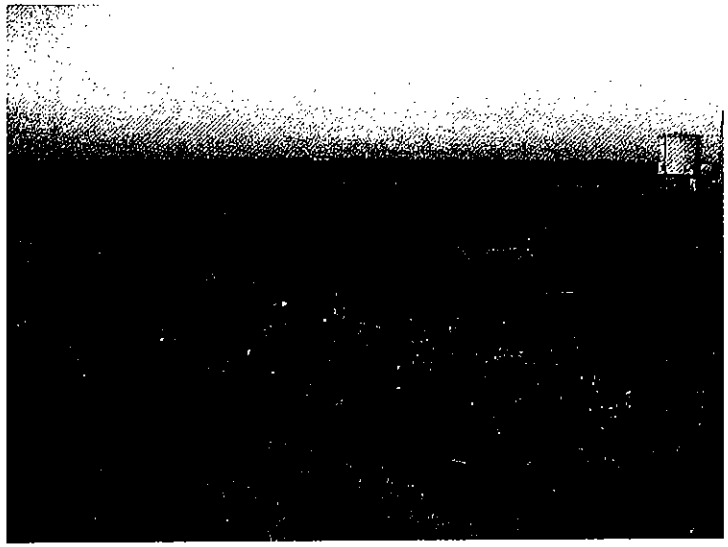
NO. 6 SUMP PUMP NEAR NORTHEAST CORNER OF PECK DRAINAGE BASINS—SECTION 5, T16S/R15E

PHASE 3 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

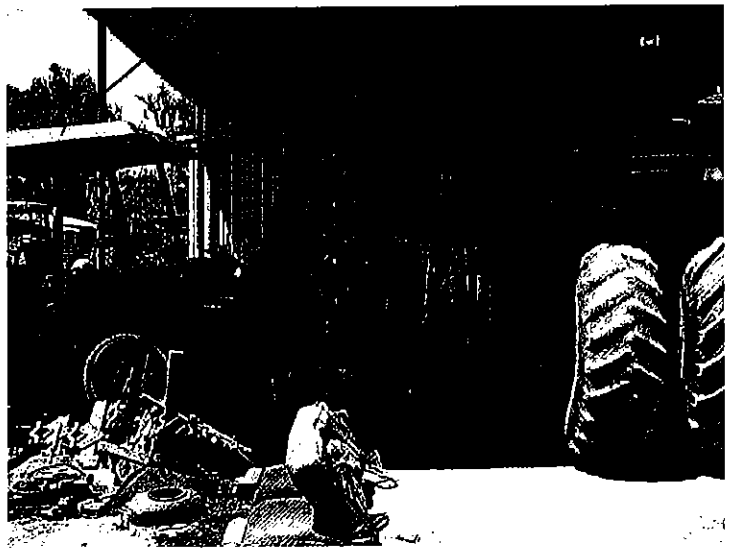
BSK

FIGURE 3A
BSK E0313201F
AUGUST 2003



NO. 1 CROP DUSTER LANDING STRIP - PECK - SECTION 12 (LOOKING NORTHEAST)

NO. 2 GASOLINE AND DIESEL AGTS - THOMSEN SECTION 15, T 17S/R16E (LOOKING SOUTHEAST)



NO. 3 FARM VEHICLE EQUIPMENT MAINTENENCE AREA. THOMSEN - SECTION 15, T 17S/R16E (LOOKING WEST)

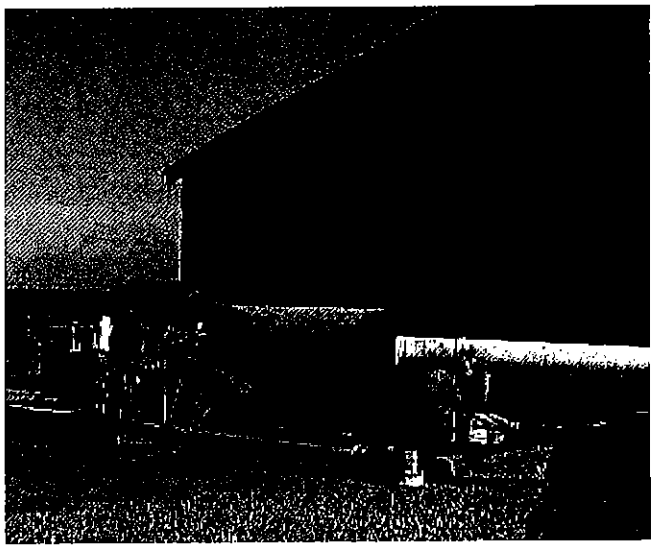
PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 3B
BSK E0313201F
AUGUST 2003

NO. 1 LUBE OIL STORAGE AREA WITHIN MAINTENANCE BUILDING - O'NEILL - SECTION 3



NO. 3 WASTE OIL TANK ON NORTH SIDE OF MAINTENANCE BUILDING - O'NEILL - SECTION 3 (LOOKING SOUTHEAST)

NO. 2 EQUIPMENT STORAGE AREA - O'NEILL - SECTION 3 (LOOKING EAST)

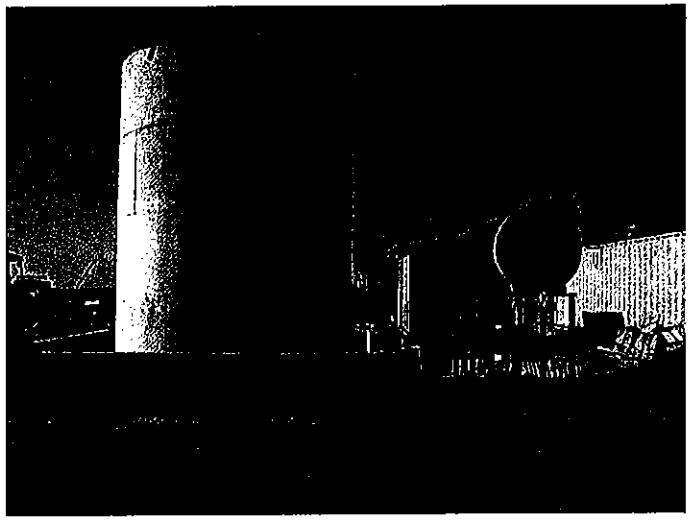
PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 3C
BSK E0313201F
AUGUST 2003

NO. 1 CHEMICAL STORAGE BUILDING - ORFF
SECTION 31, T15S/R15E (LOOKING NORTH)



NO. 2 GASOLINE AND DIESEL AGTS - ORFF
SECTION 31, T 15S/R15E (LOOKING EAST)

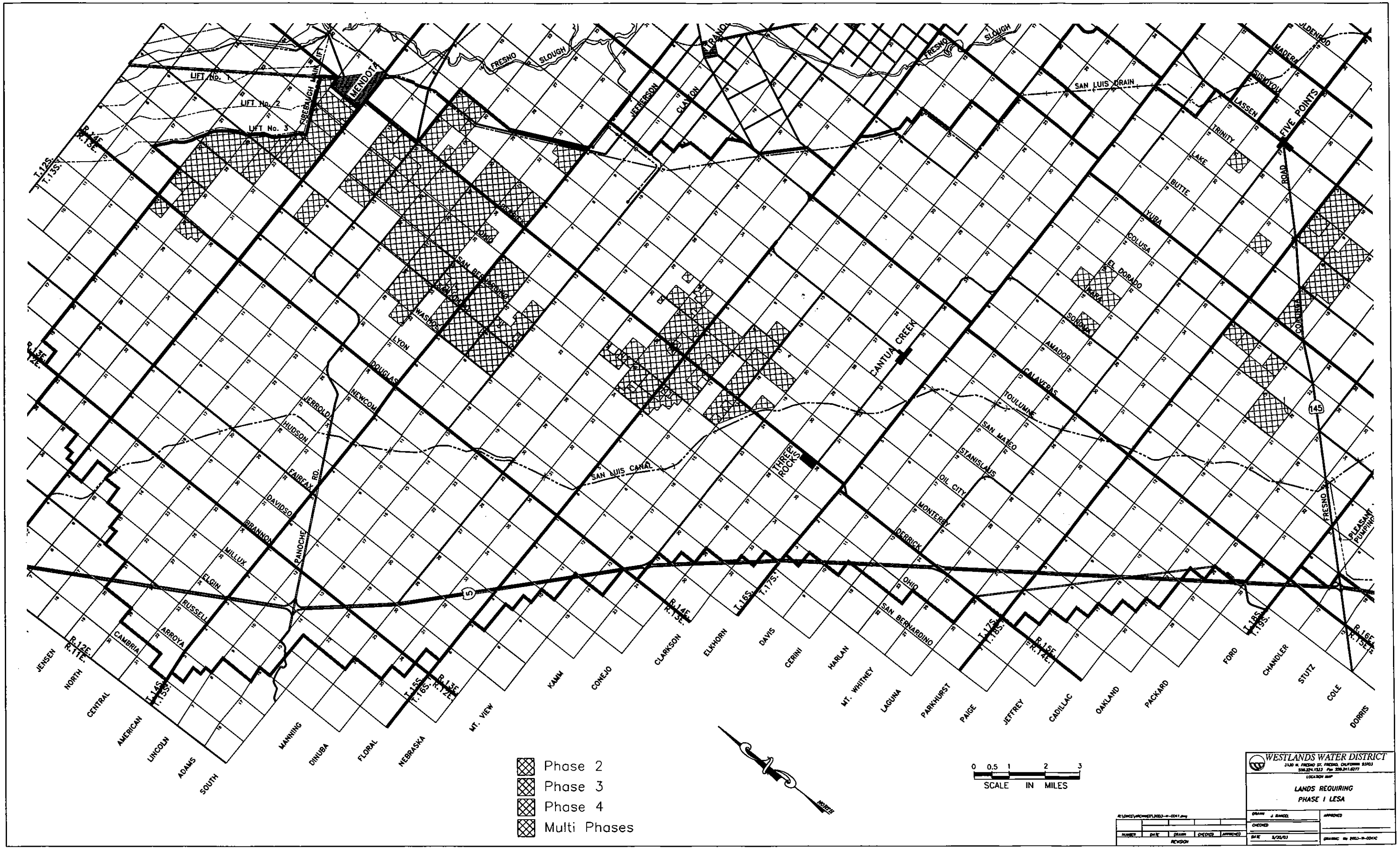
NO. 3 VEHICLE AND EQUIPMENT STORAGE AREA IN
EASTERN PORTION OF FACILITY - ORFF
SECTION 31, T 15S/R15E (LOOKING EAST)

PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

APPENDIX A

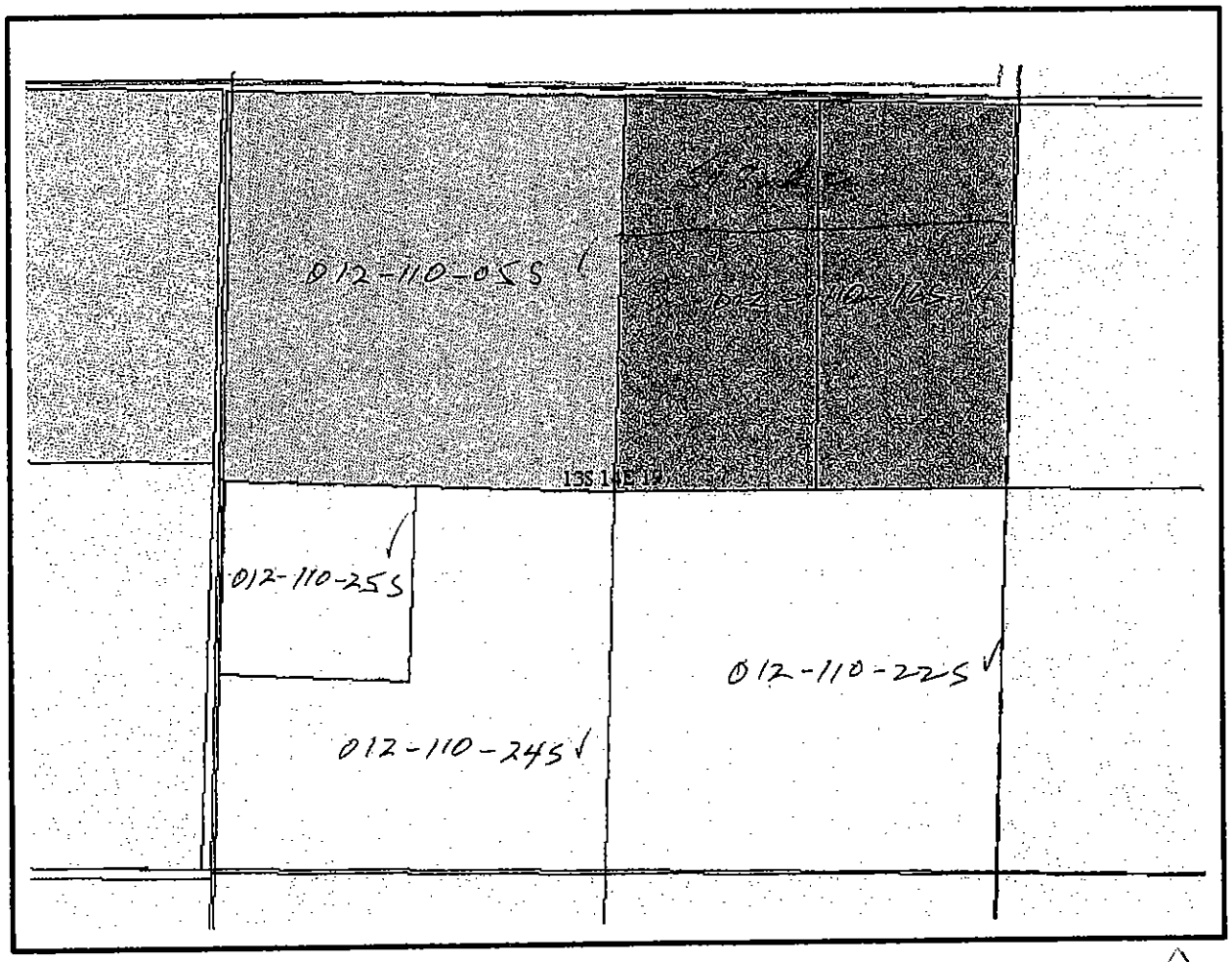


LIFT No. 1
LIFT No. 2
LIFT No. 3
FIREBAUGH MAIN LIFT
MENDOTA
FRESNO SLOUGH
JEFFERSON
CLAYTON
SAN LUIS DRAIN
FIVE POINTS
MADERA
SISKIYOU
LASSEN
TRINITY
LAKE
BUTTE
YUBA
COLUSA
EL DORADO
SONOMA
AMADOR
CALAVERAS
TOULUMNE
SAN MATEO
STANISLAUS
OIL CITY
MONTEREY
DERRICK
OHIO
SAN BERNARDINO
CANTUA CREEK
THREE ROCKS
SAN LUIS CANAL
LYON
DOUGLAS
NEWCOM
JERROLD
HUDSON
FAIRFAX RD.
DAVIDSON
BRANNON
PANOCHE
MILLUX
ELGIN
RUSSELL
ARROYA
CAMBRIA
JENSEN
NORTH
CENTRAL
AMERICAN
LINCOLN
ADAMS
SOUTH
MANNING
DINUBA
FLORAL
NEBRASKA
MT. VIEW
KAMM
CONEJO
CLARKSON
ELKHORN
DAVIS
CERINI
HARLAN
MT. WHITNEY
LAGUNA
PARKHURST
PAIGE
JEFFREY
CADILLAC
OAKLAND
PACKARD
FORD
CHANDLER
STUTZ
COLE
DORRIS
PLEASANT PUMPING
FRESNO
145
5
Phase 2
Phase 3
Phase 4
Multi Phases
0 0.5 1 2 3
SCALE IN MILES
NORTH
WESTLANDS WATER DISTRICT
LOCATION MAP
LANDS REQUIRING
PHASE I LESA
DRAWN
CHECKED
APPROVED
DATE
REVISION

R. D. ALLEN

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

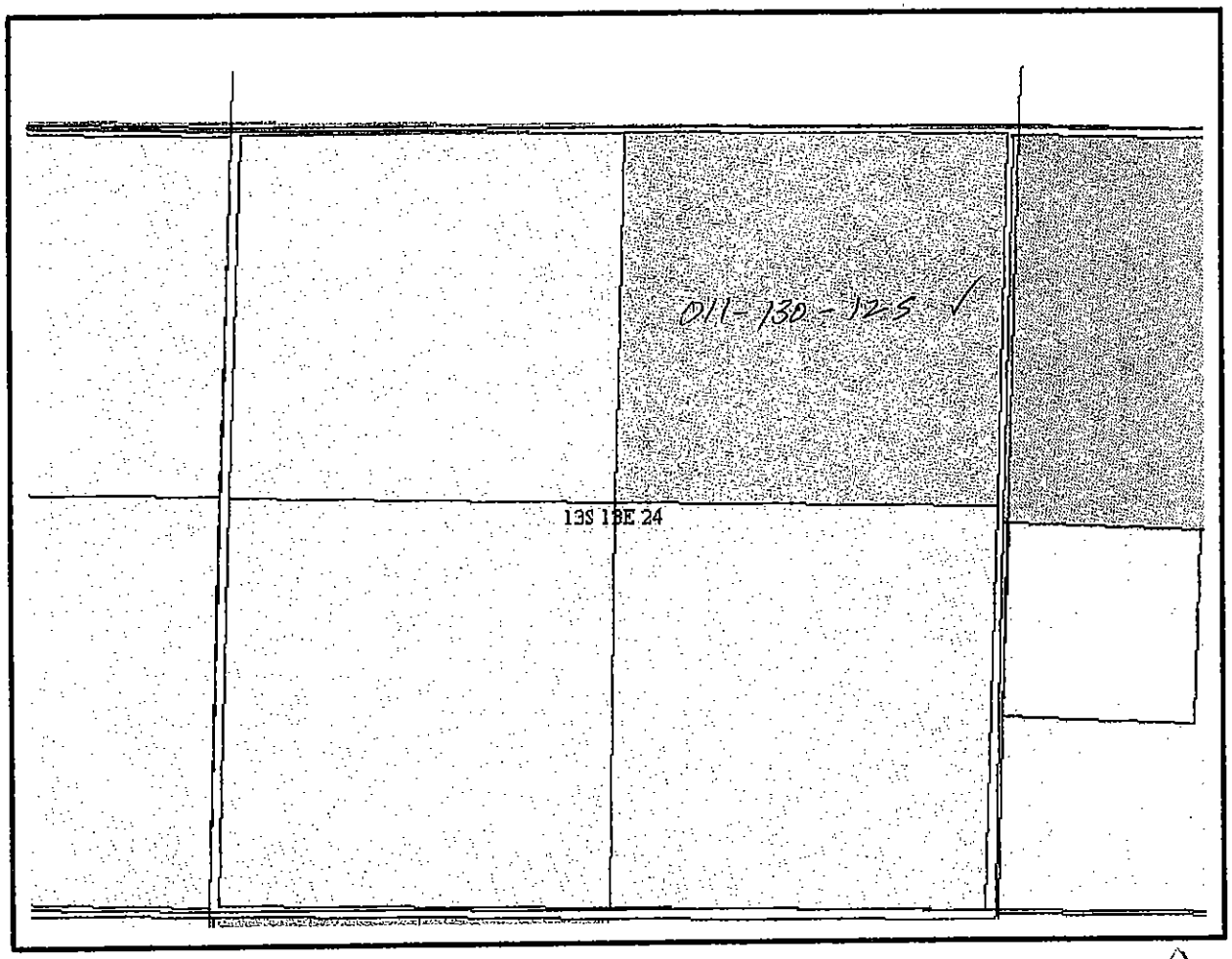
N

Wednesday, May 7 2003

A.E. ALLEN

ESRI ArcExplorer 2.0

Map Title



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- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

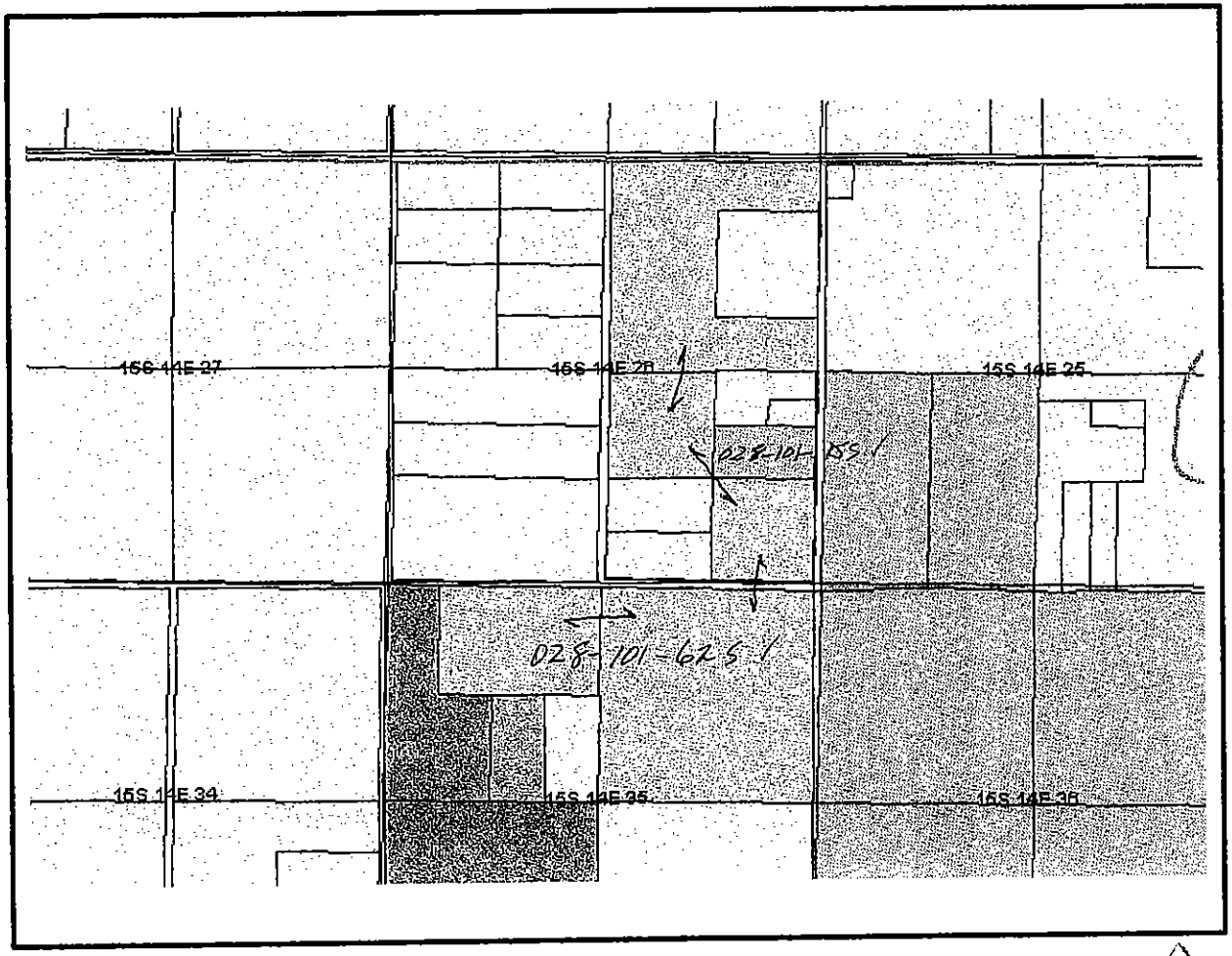
N

Wednesday, May 7 2003

ETCHEBERRY

ESRI ArcExplorer 2.0

Map Title



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- phase4
- phase3
- phase2
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

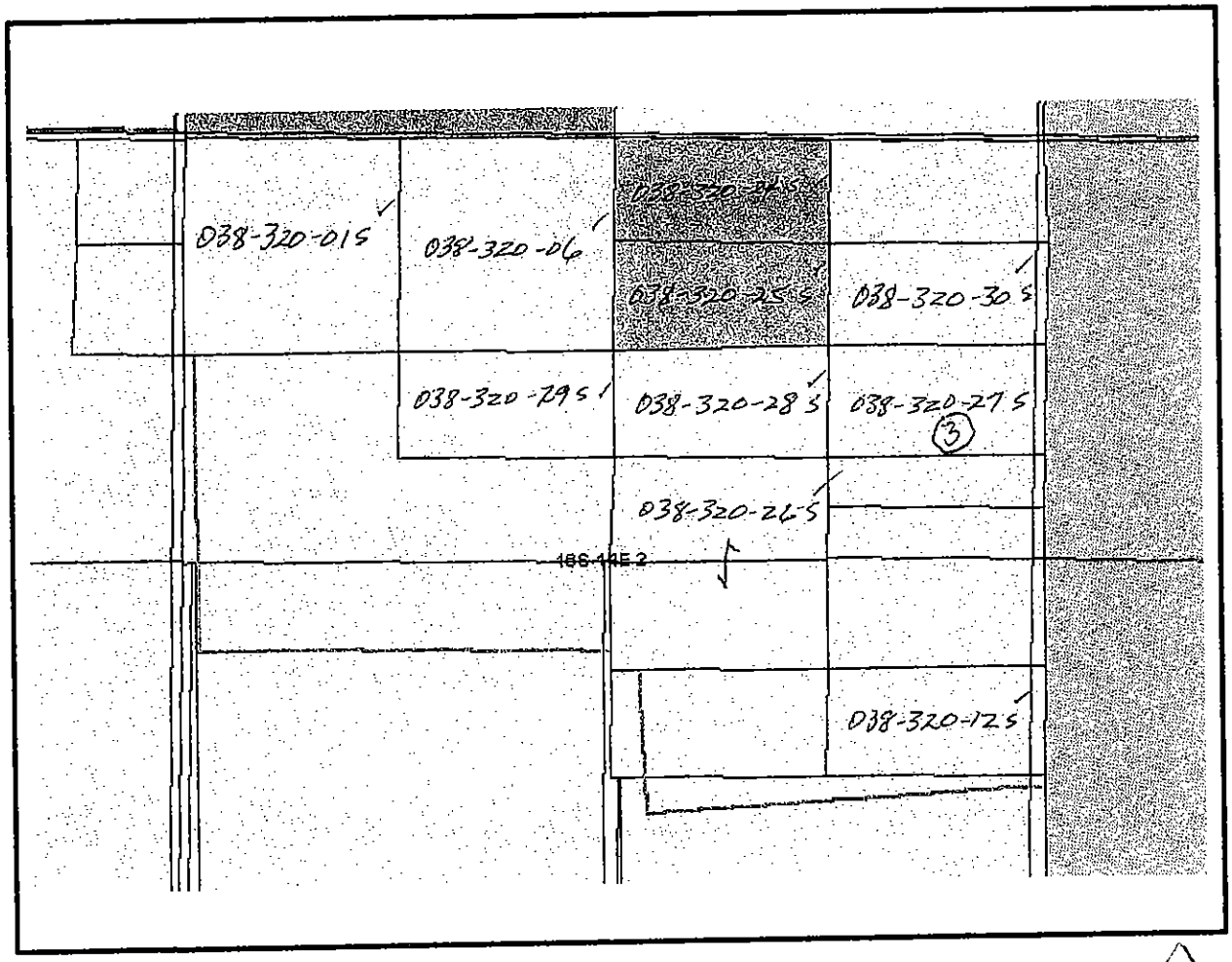
N

Wednesday, May 7 2003

GUENTHER #1

ESRI ArcExplorer 2.0

Map Title



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- phase3
- phase2
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

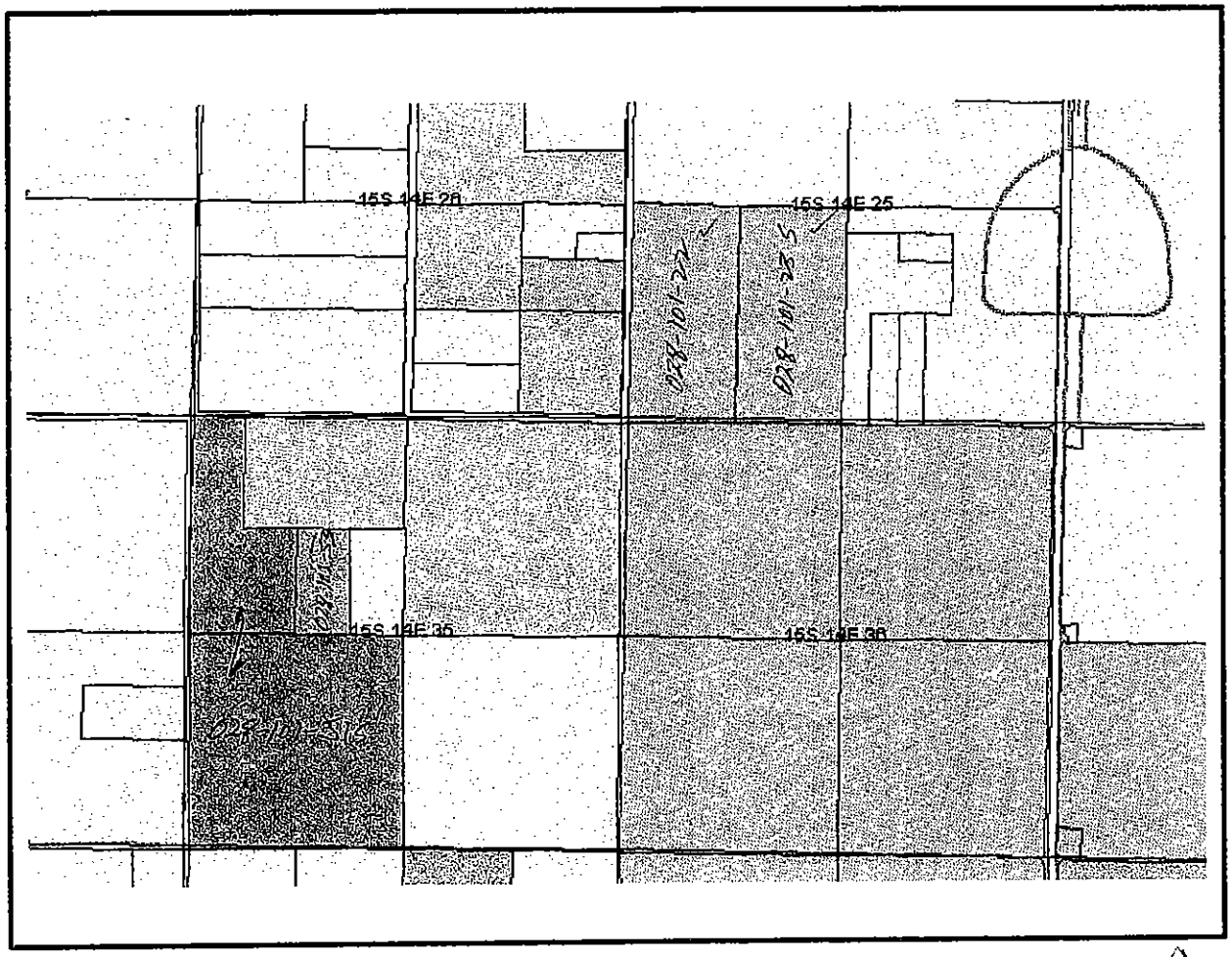
N

Wednesday, May 7 2003

GUENTHER #2

ESRI ArcExplorer 2.0

Map Title



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- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

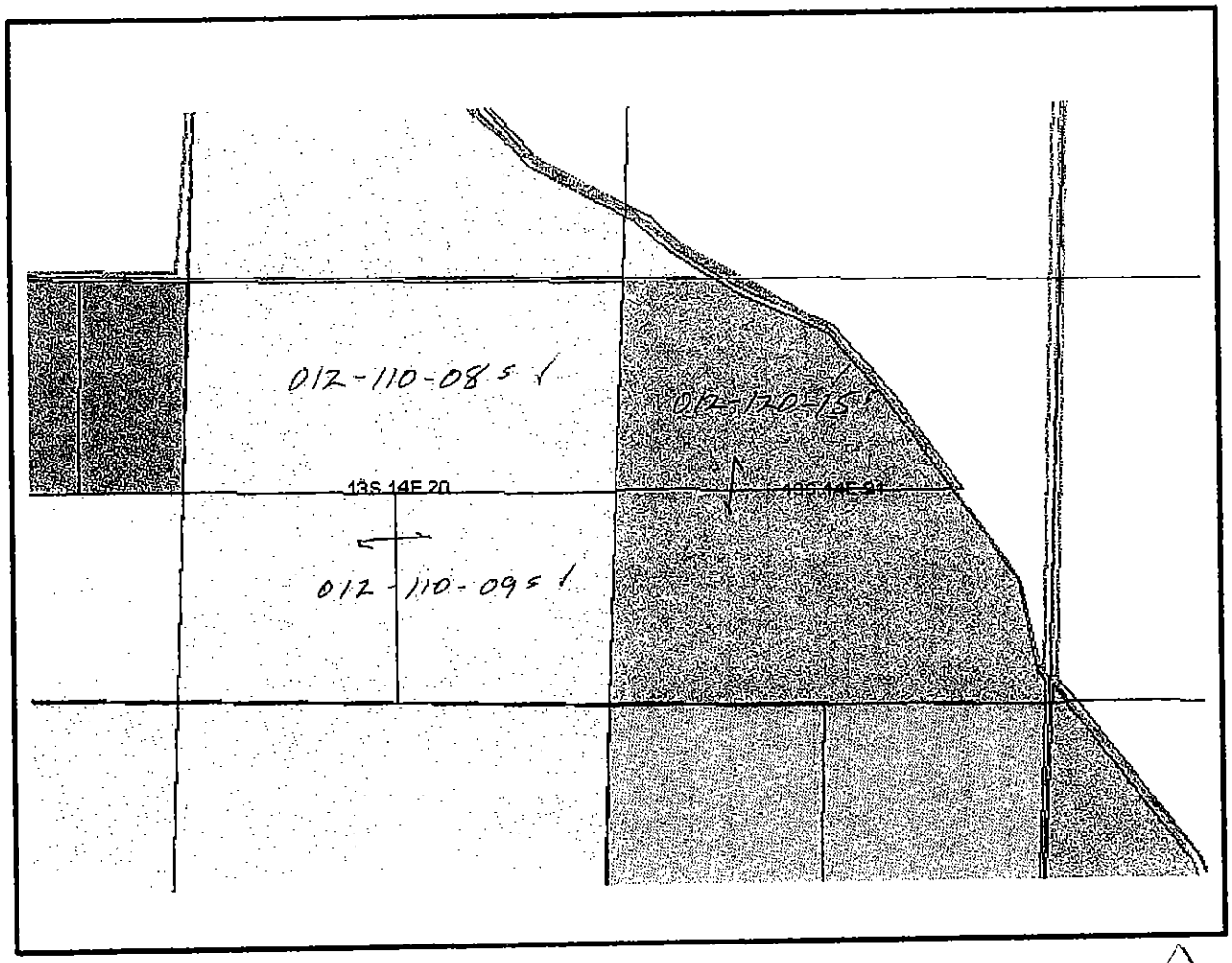
N

Wednesday, May 7 2003

JONES #1

ESRI ArcExplorer 2.0

Map Title



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- phase3
- phase2
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

N

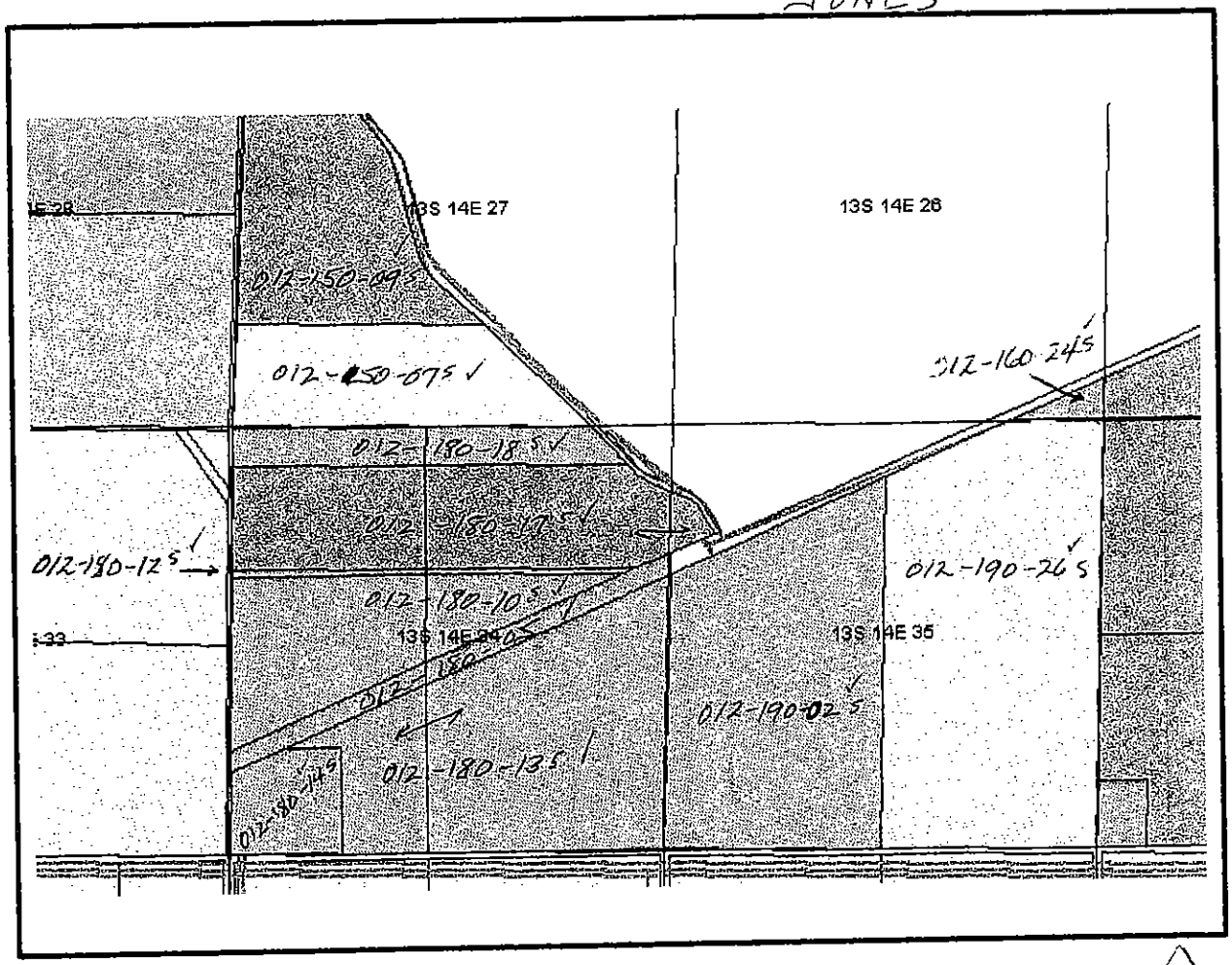
Wednesday, May 7 2003

JONES #2

ESRI ArcExplorer 2.0

Map Title

JONES



Wednesday, May 7 2003

JONES #3

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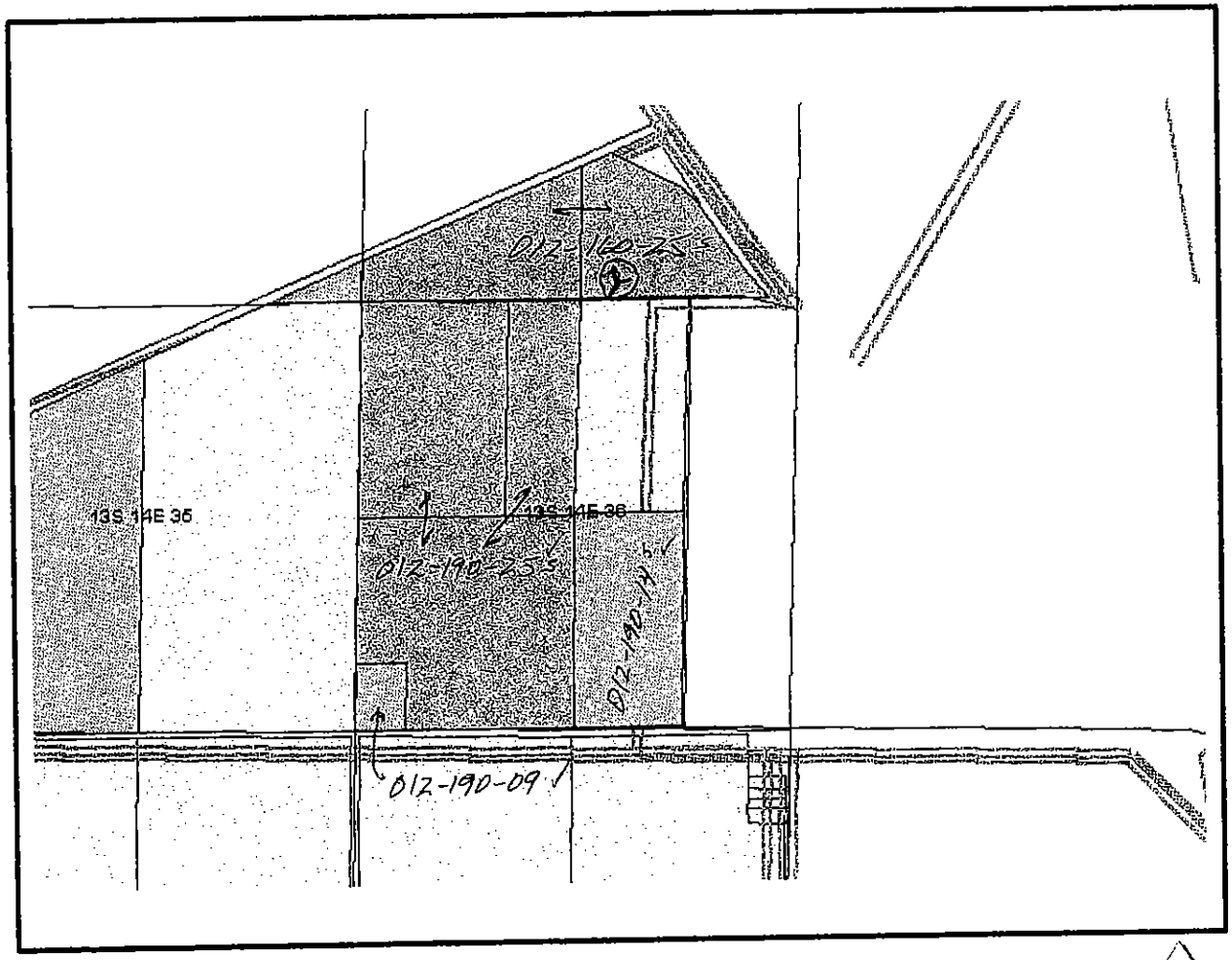
Map Title



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- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

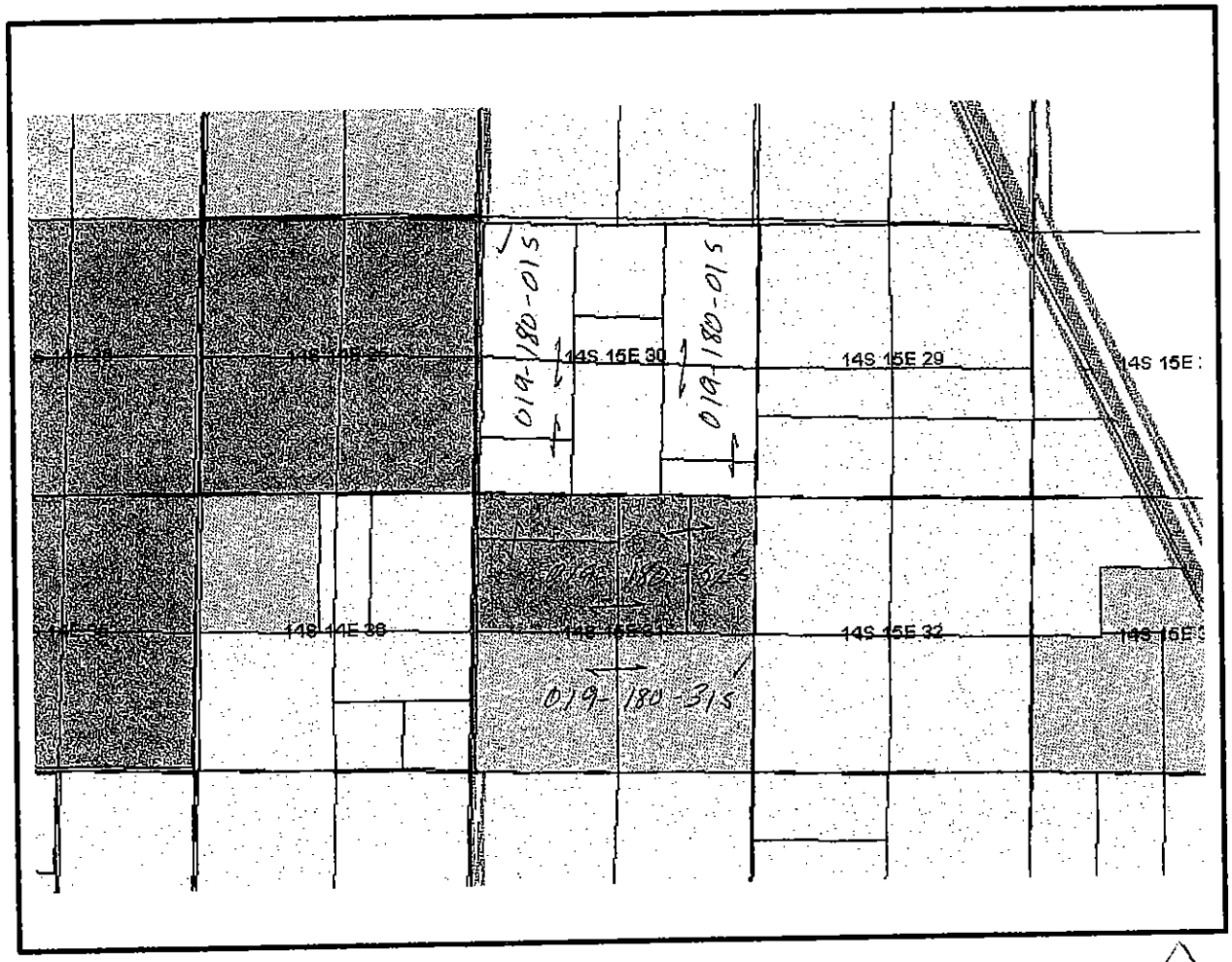
N

Wednesday, May 7 2003

KRIESANT #1

ESRI ArcExplorer 2.0

Map Title



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- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

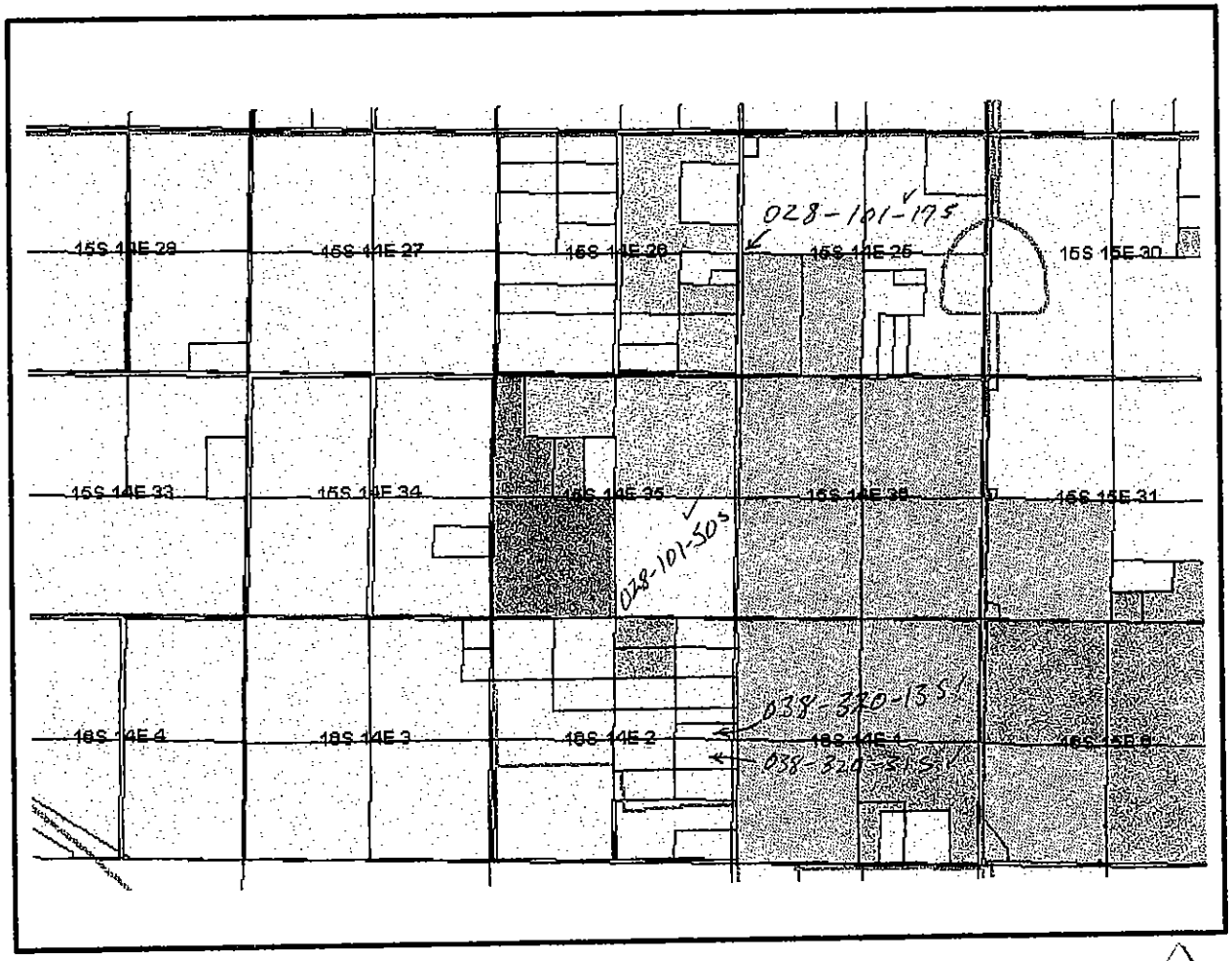
N

Thursday, May 8 2003

KRIESANT #2

ESRI ArcExplorer 2.0

Map Title



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- a3a4
- phase4
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- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

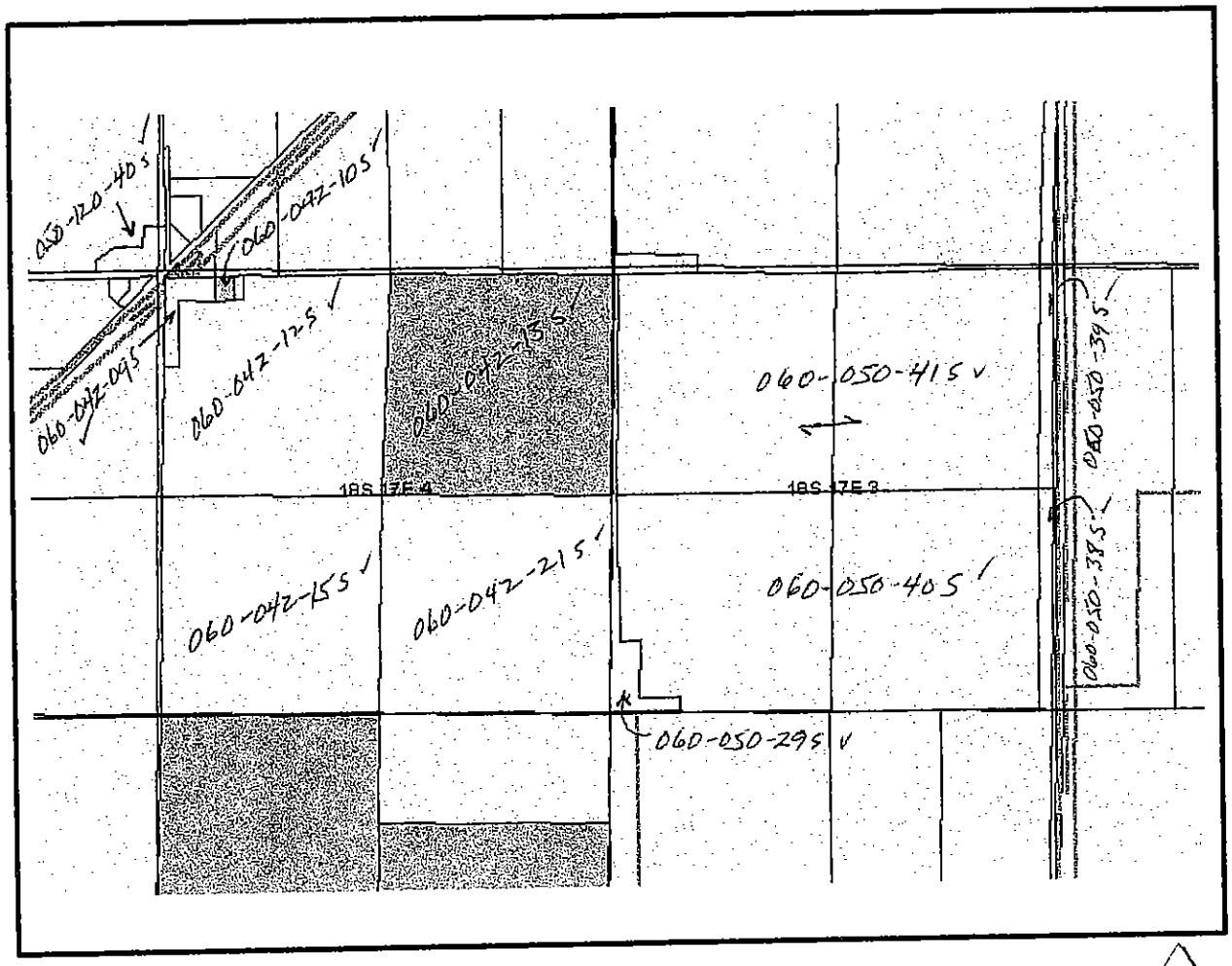
N

Thursday, May 8 2003

O'NEILL #1

ESRI ArcExplorer 2.0

Map Title



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- phase4
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- phase2
- phase1
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

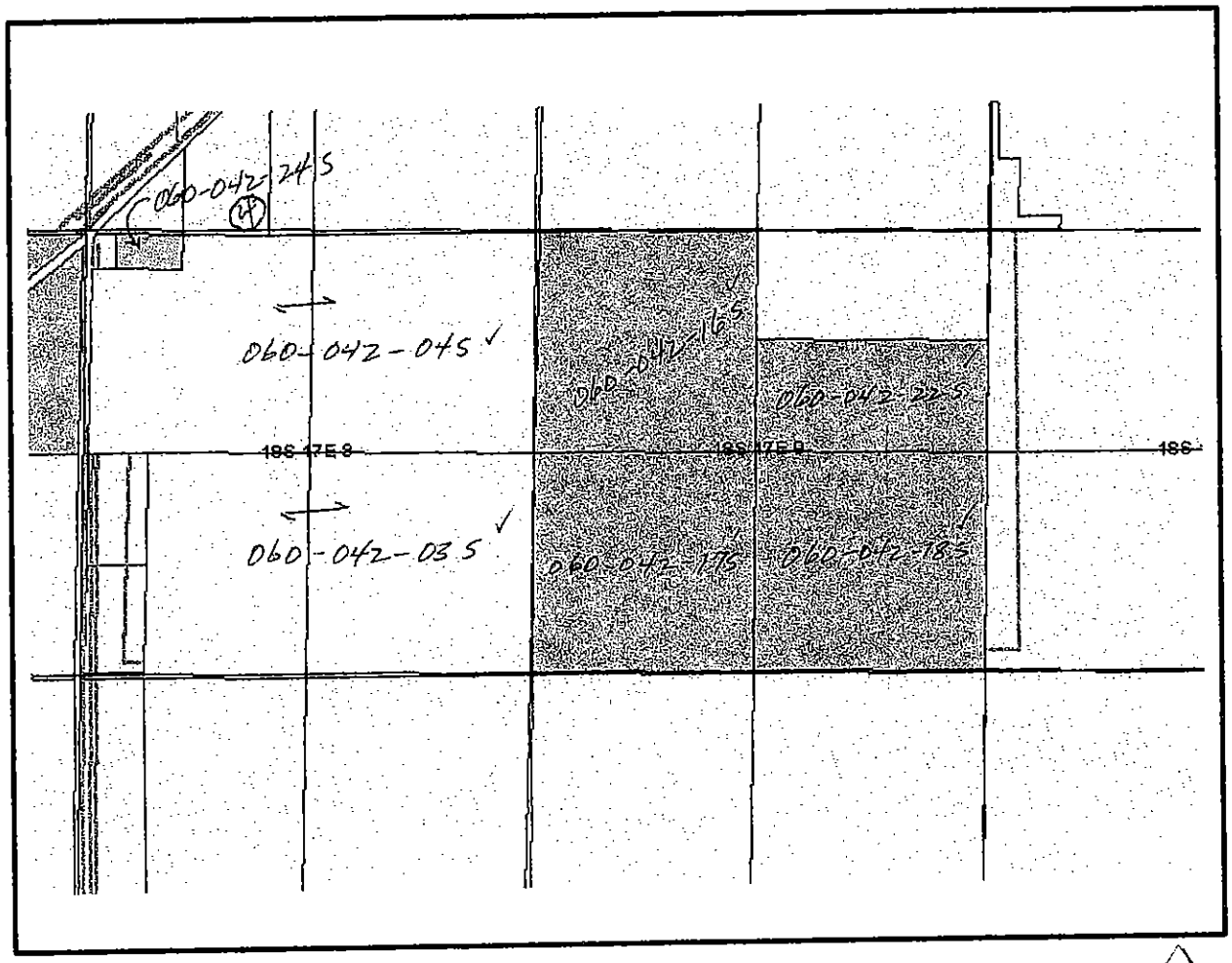
N

Thursday, May 8 2003

O'NEILL #2

ESRI ArcExplorer 2.0

Map Title



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- retirelands

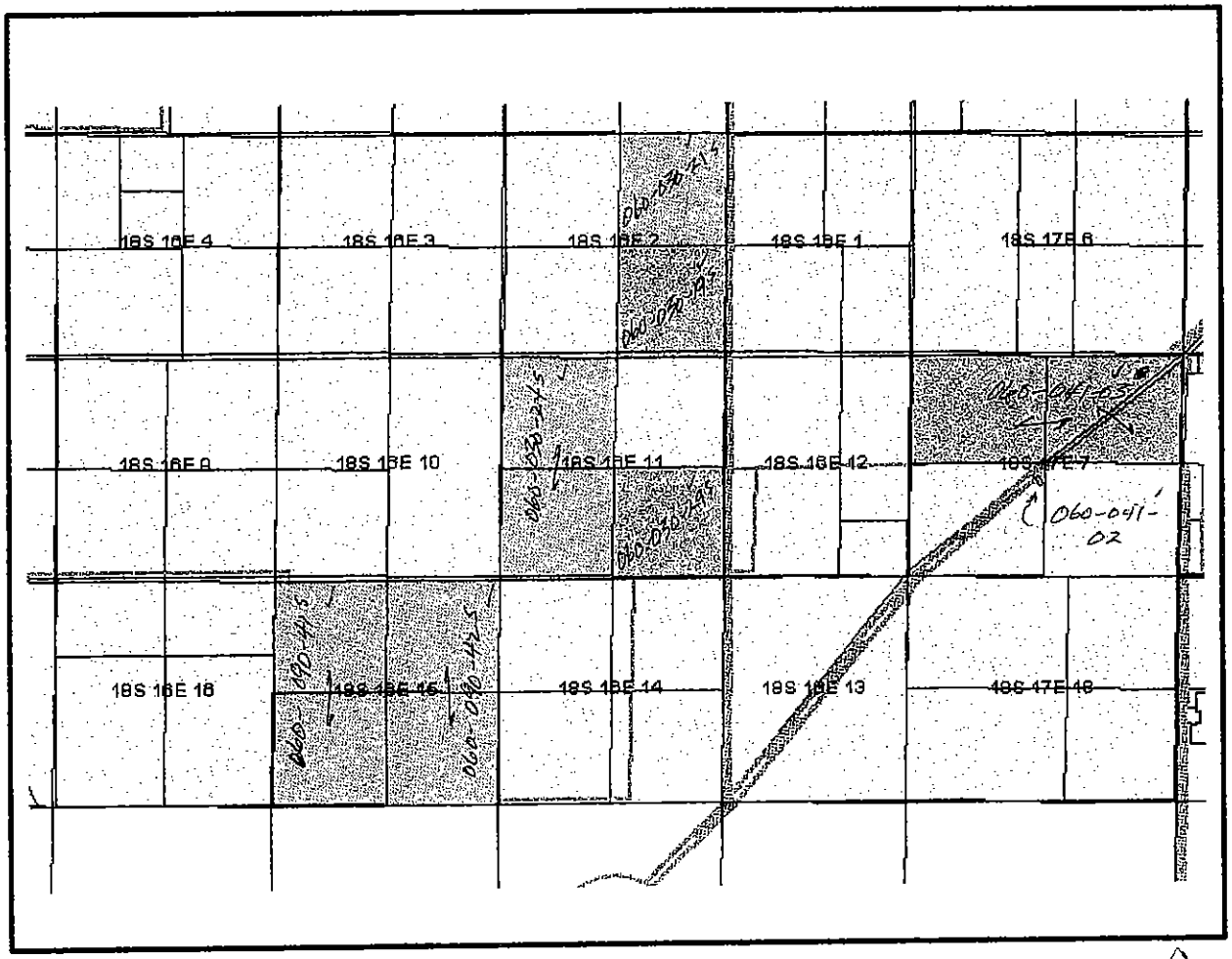
N

Thursday, May 8 2003

O'NEILL #3

ESRI ArcExplorer 2.0

Map Title



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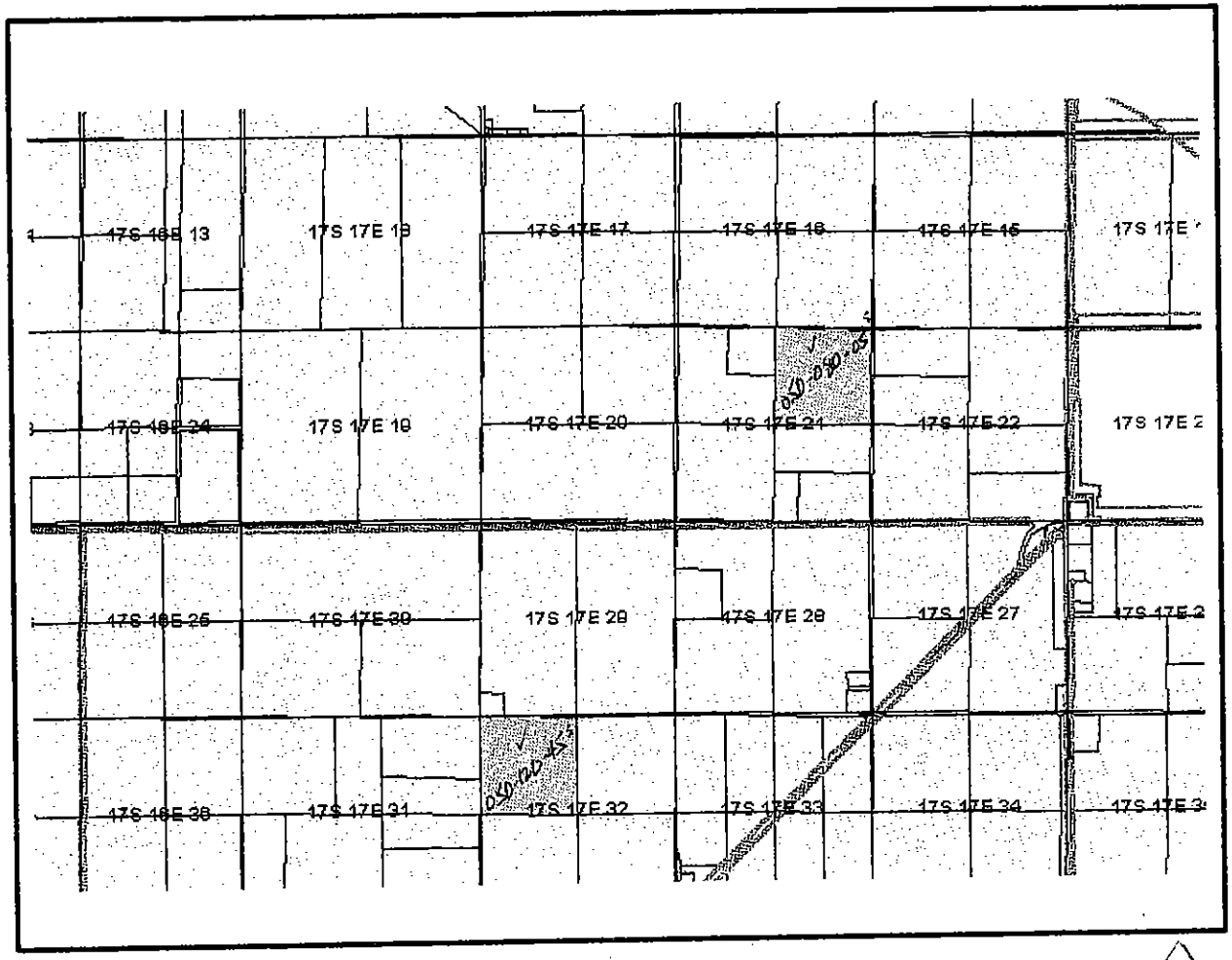
N

Thursday, May 8 2003

O'NEILL #4

ESRI ArcExplorer 2.0

Map Title



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- phase4
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- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

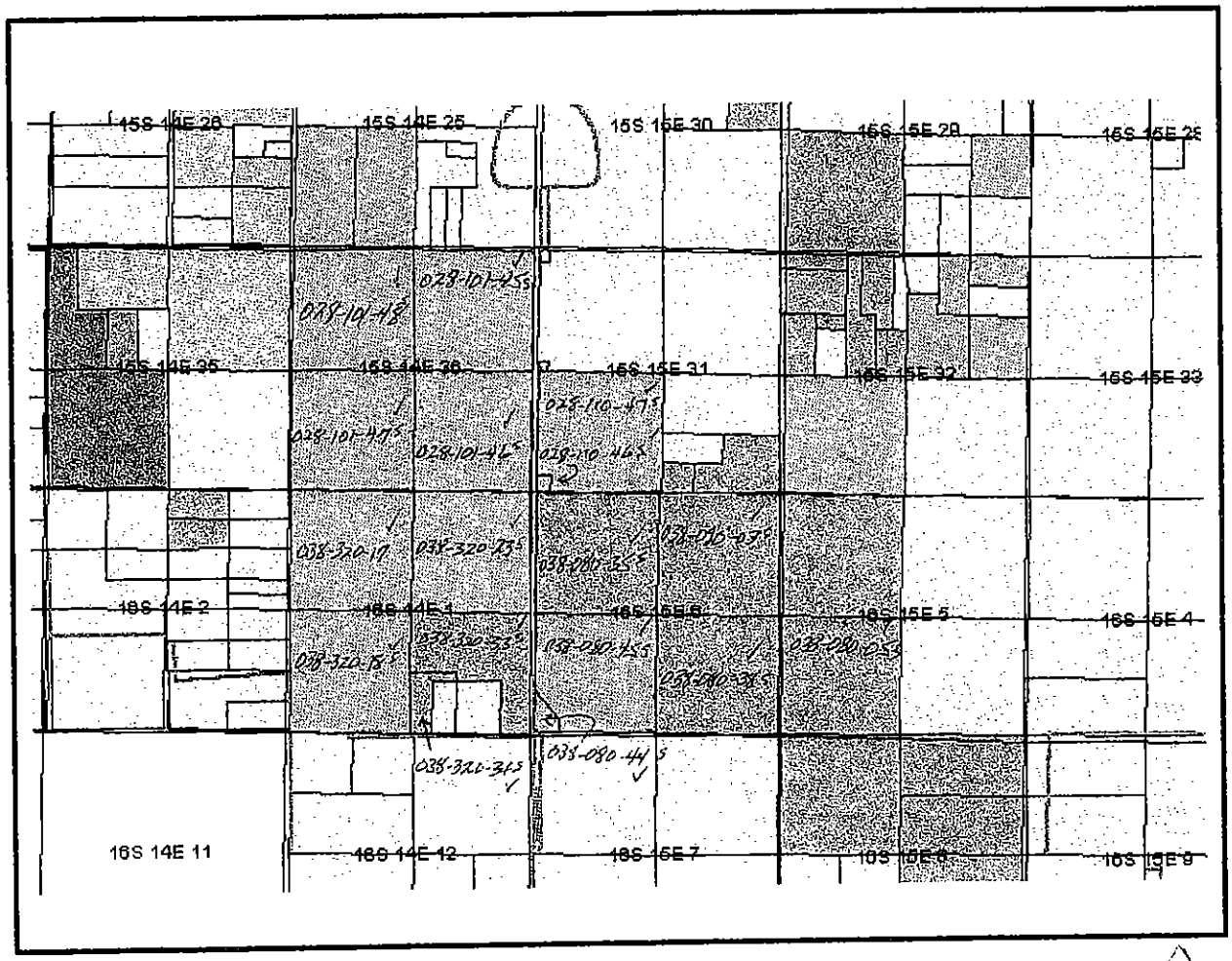
N

Thursday, May 8 2003

PECK #1

ESRI ArcExplorer 2.0

Map Title



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- phase1
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- WWDBoundryCalIV
- retirelands

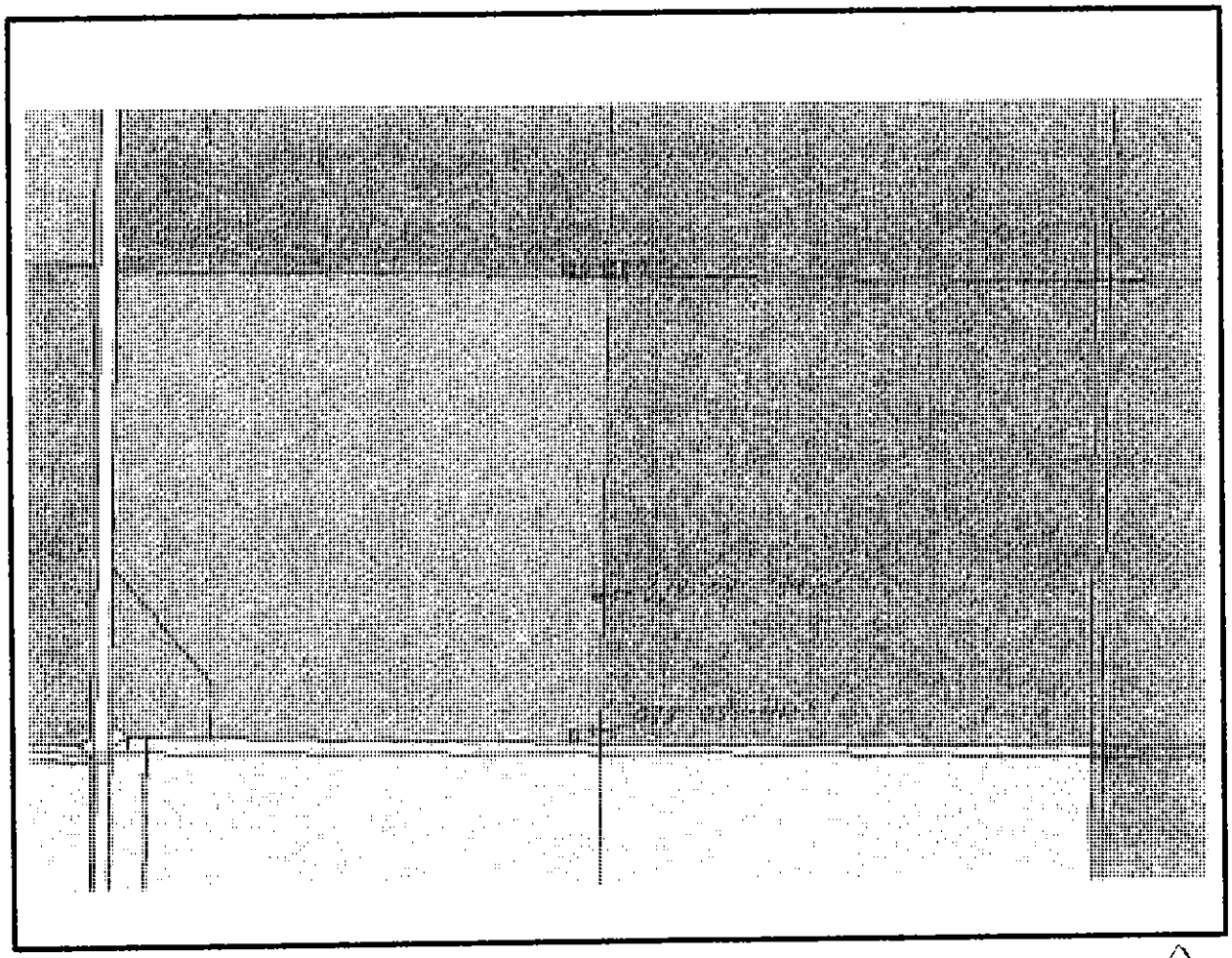
N

Friday, May 9 2003

PECK #2

ESRI ArcExplorer 2.0

Map Title



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phase2
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WWDBoundryCalIV
retirelands

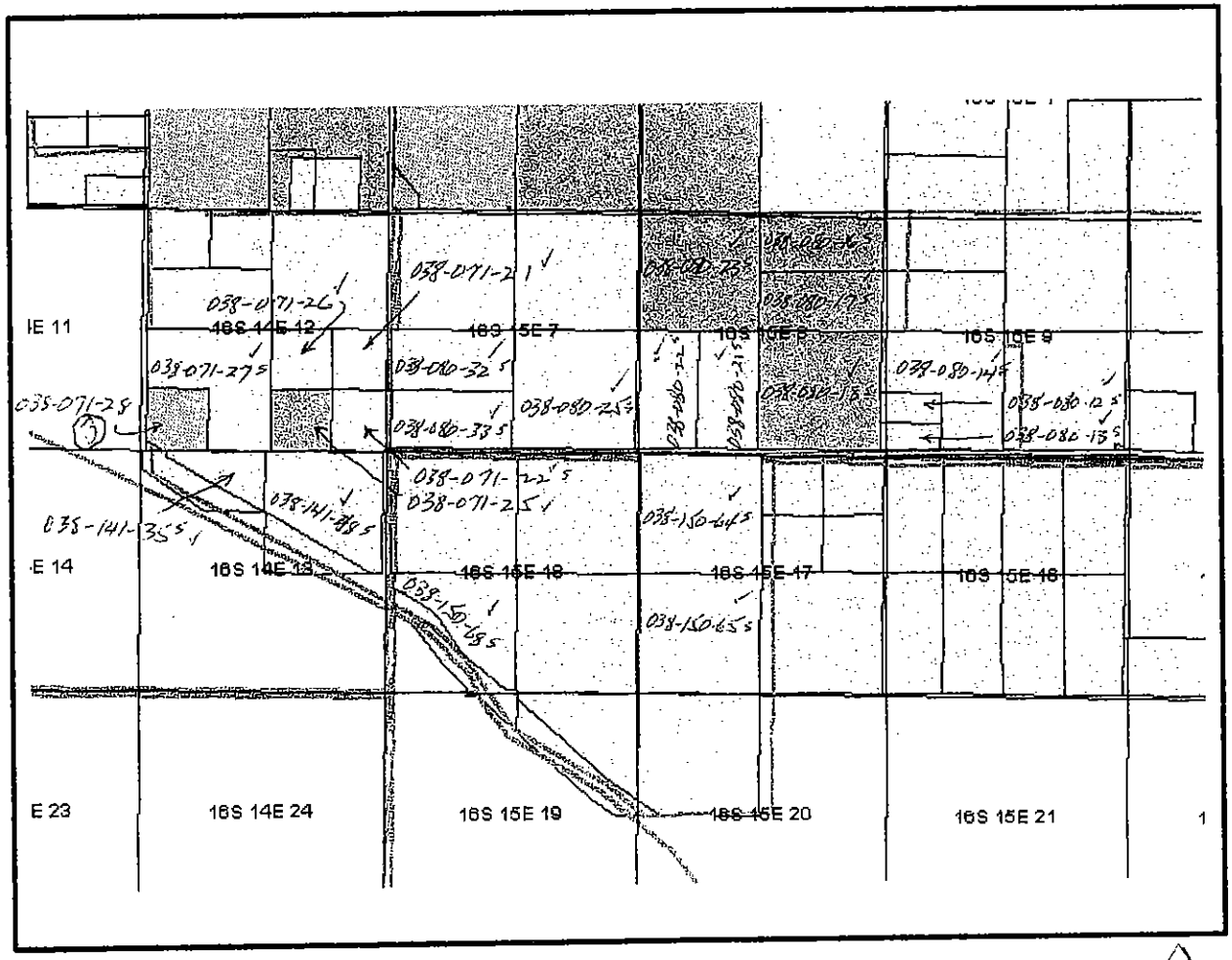
N

Friday, May 9 2003

Peck #5

ESRI ArcExplorer 2.0

Map Title



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- phase4
- phase3
- phase2
- phase1
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- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

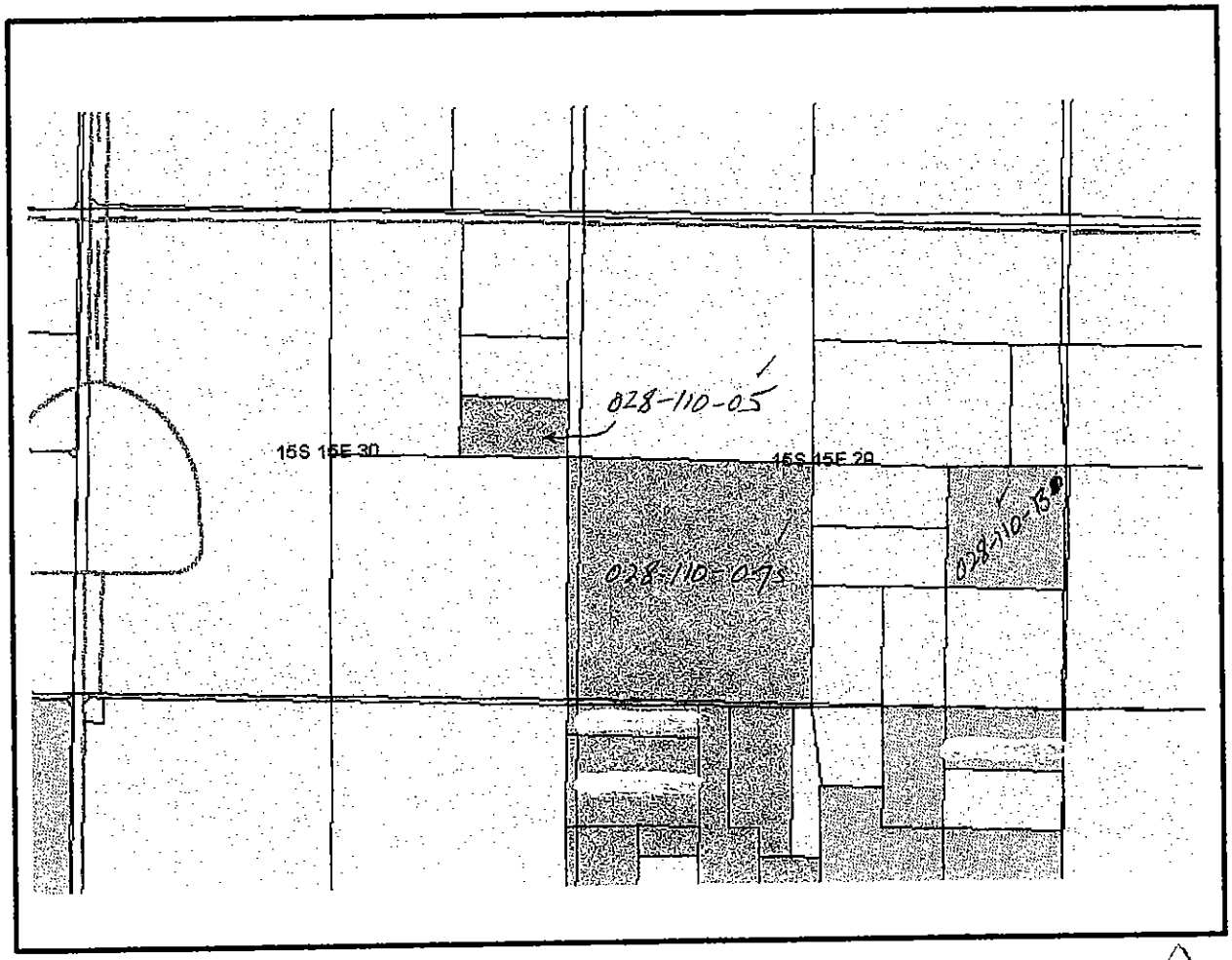
N

Friday, May 9 2003

ORFF #1

ESRI ArcExplorer 2.0

Map Title



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- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

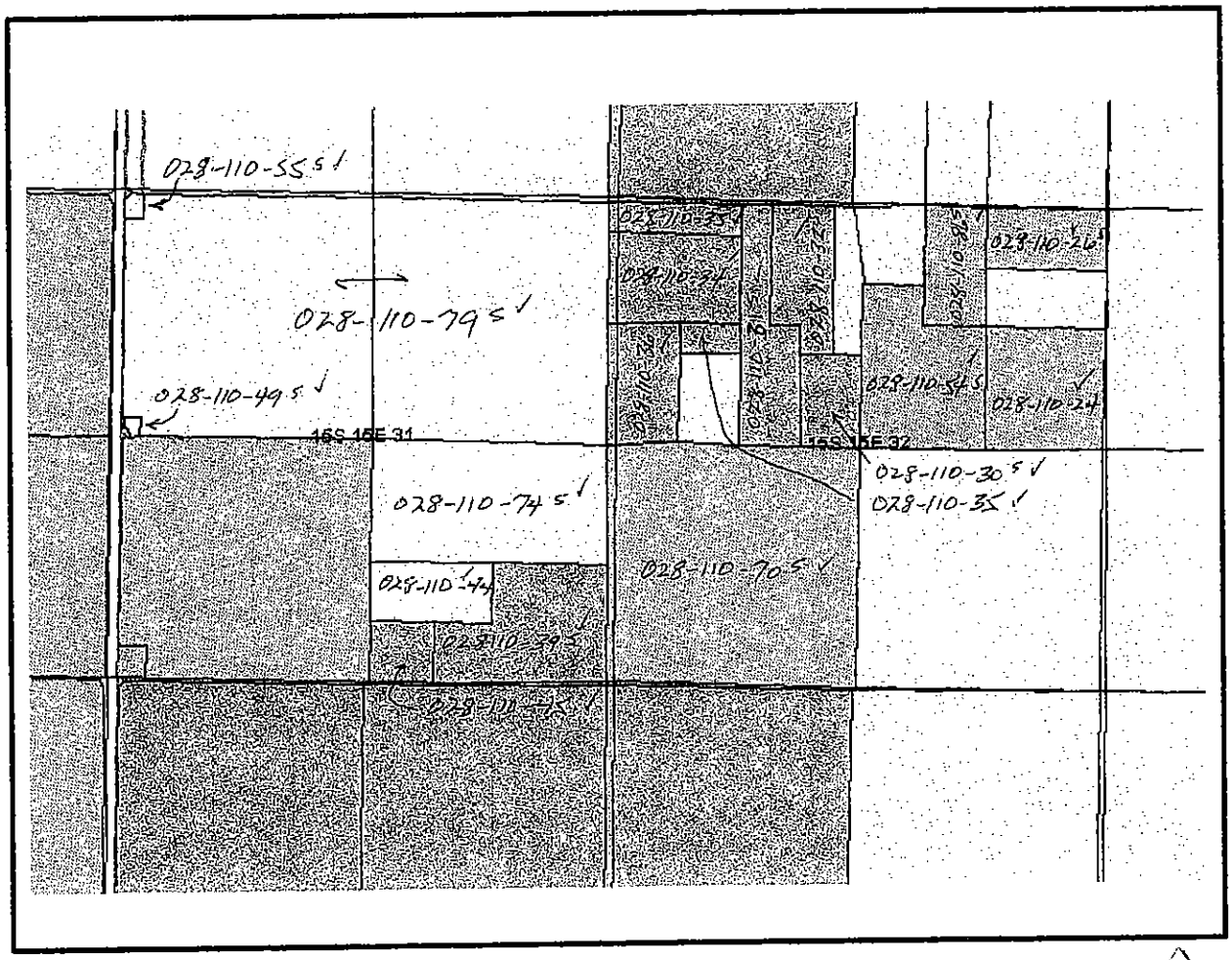
N

Friday, May 9 2003

ORFF #2

ESRI ArcExplorer 2.0

Map Title



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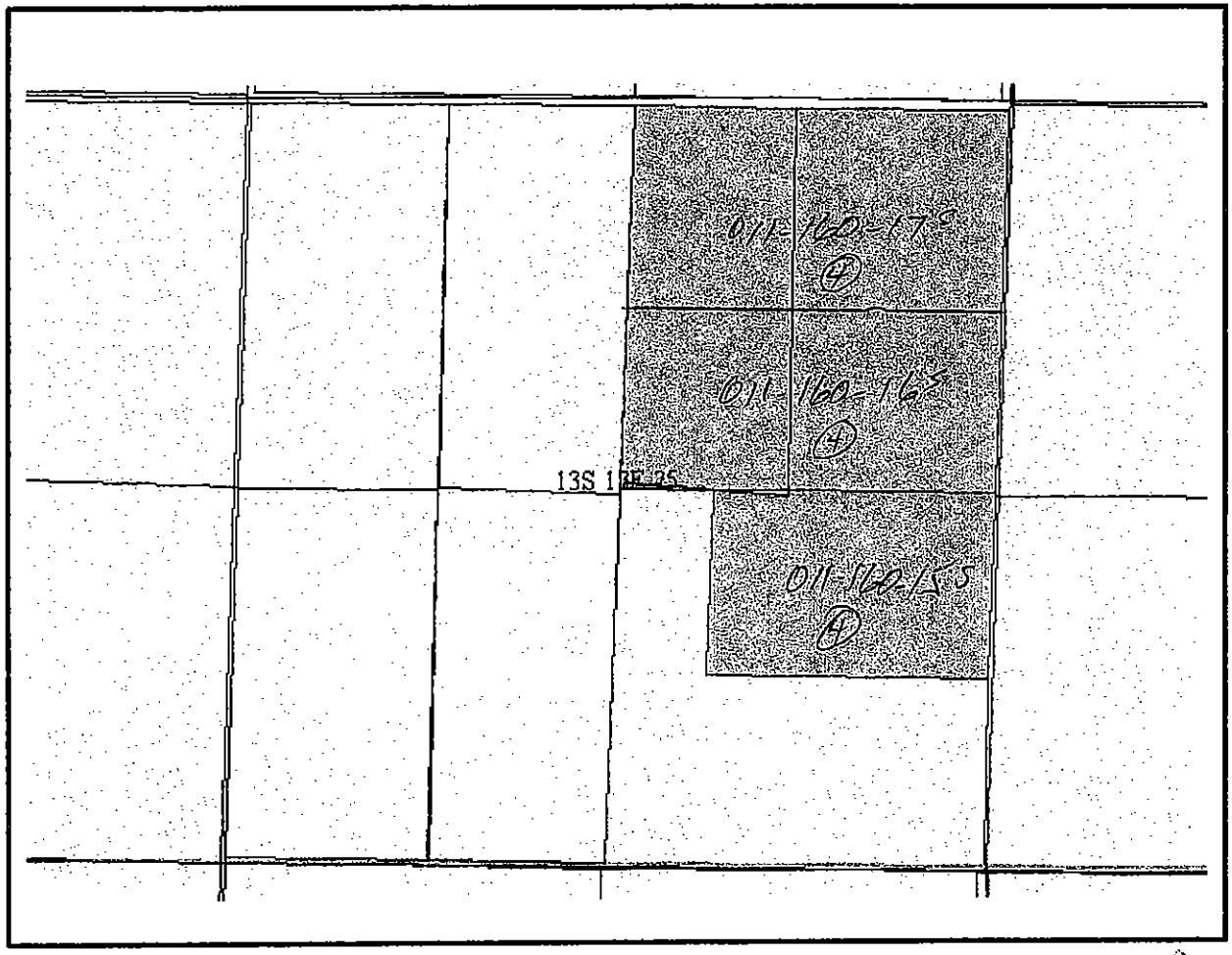
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Friday, May 9 2003

ESRI ArcExplorer 2.0 Seashotty #1

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

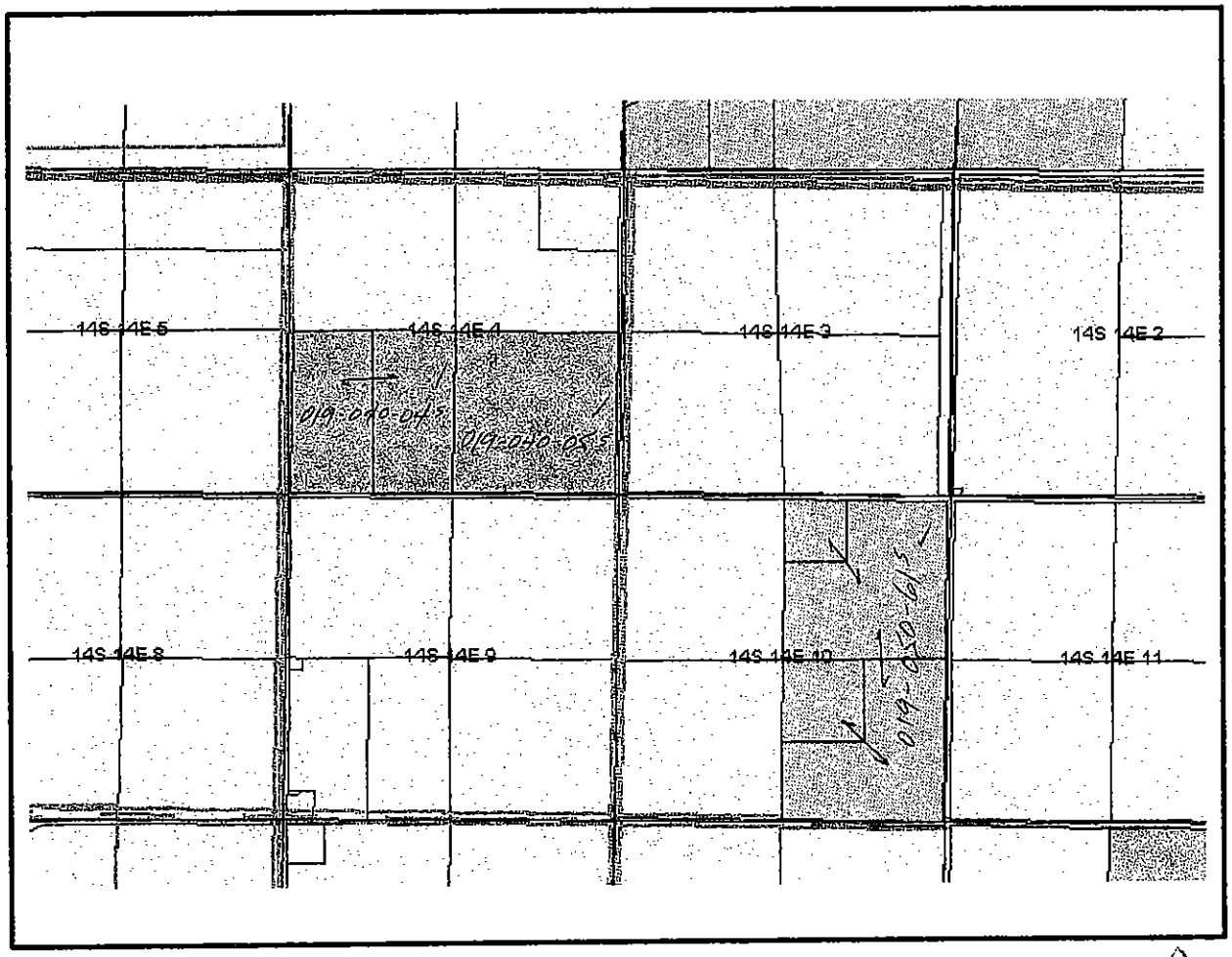
N

Tuesday, May 13 2003

SEASHOLTZ #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

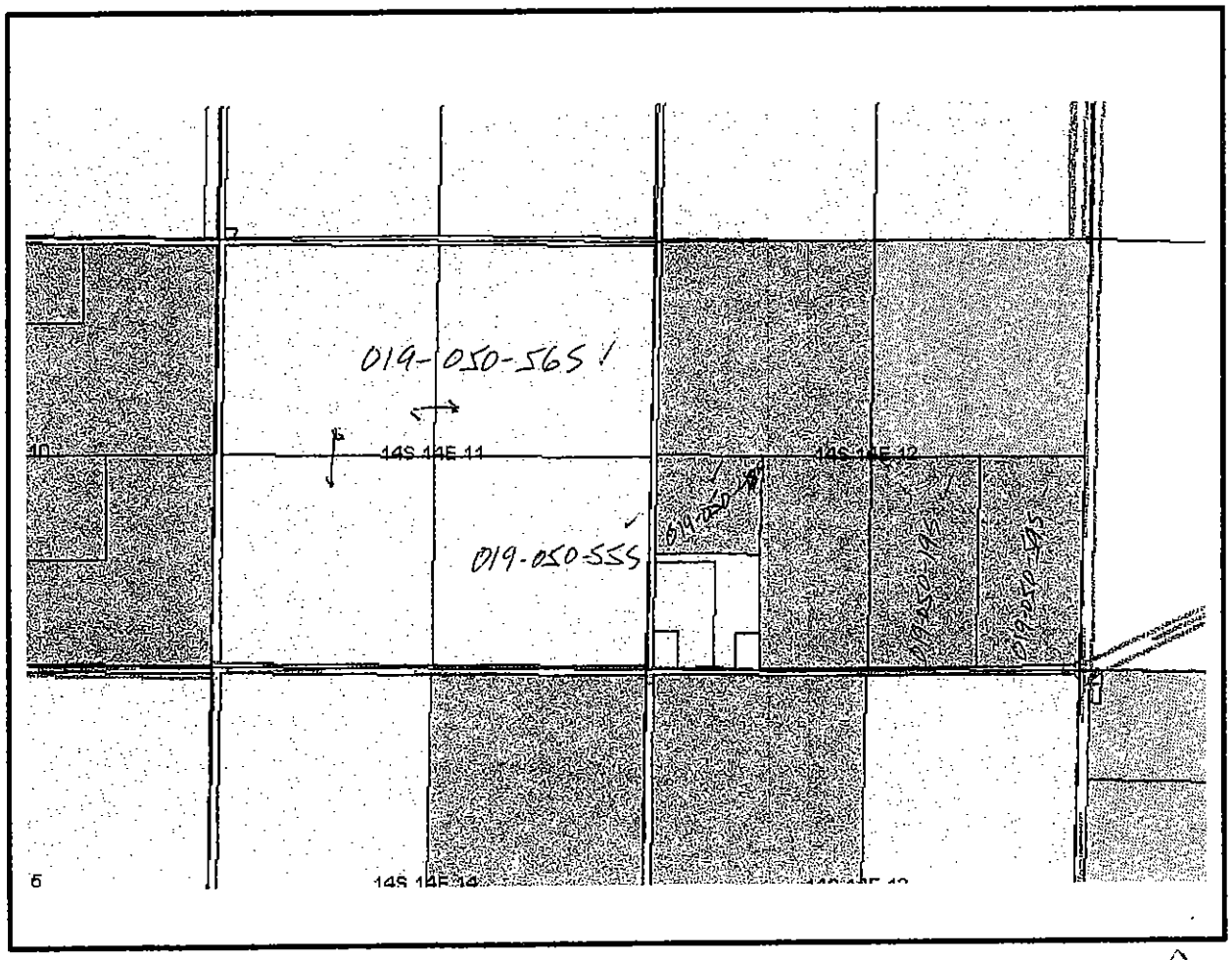
N

Friday, May 9 2003

D SILVEIRA #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

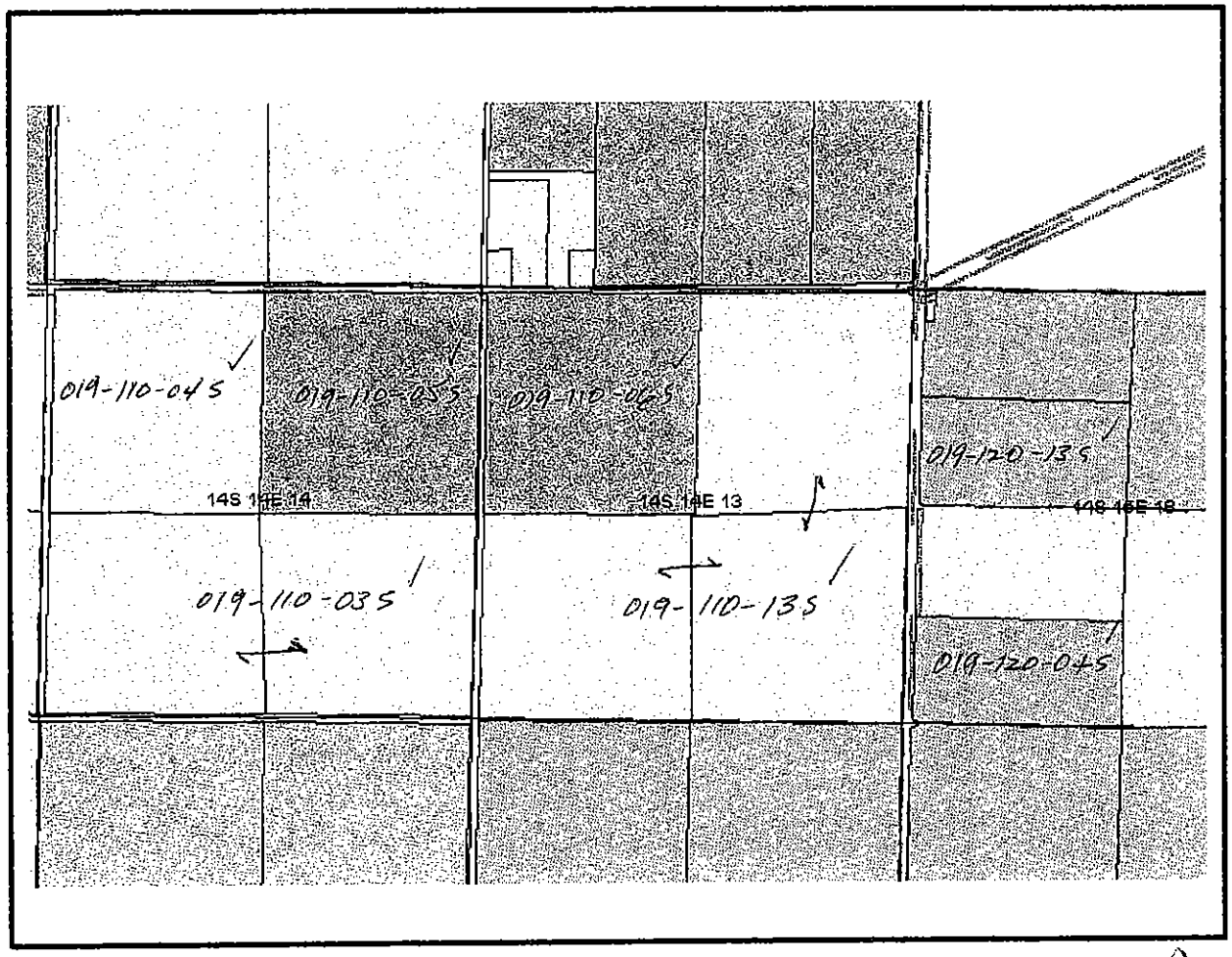
N

Wednesday, May 7 2003

D. SILVEIRA #2

ESRI ArcExplorer 2.0

Map Title



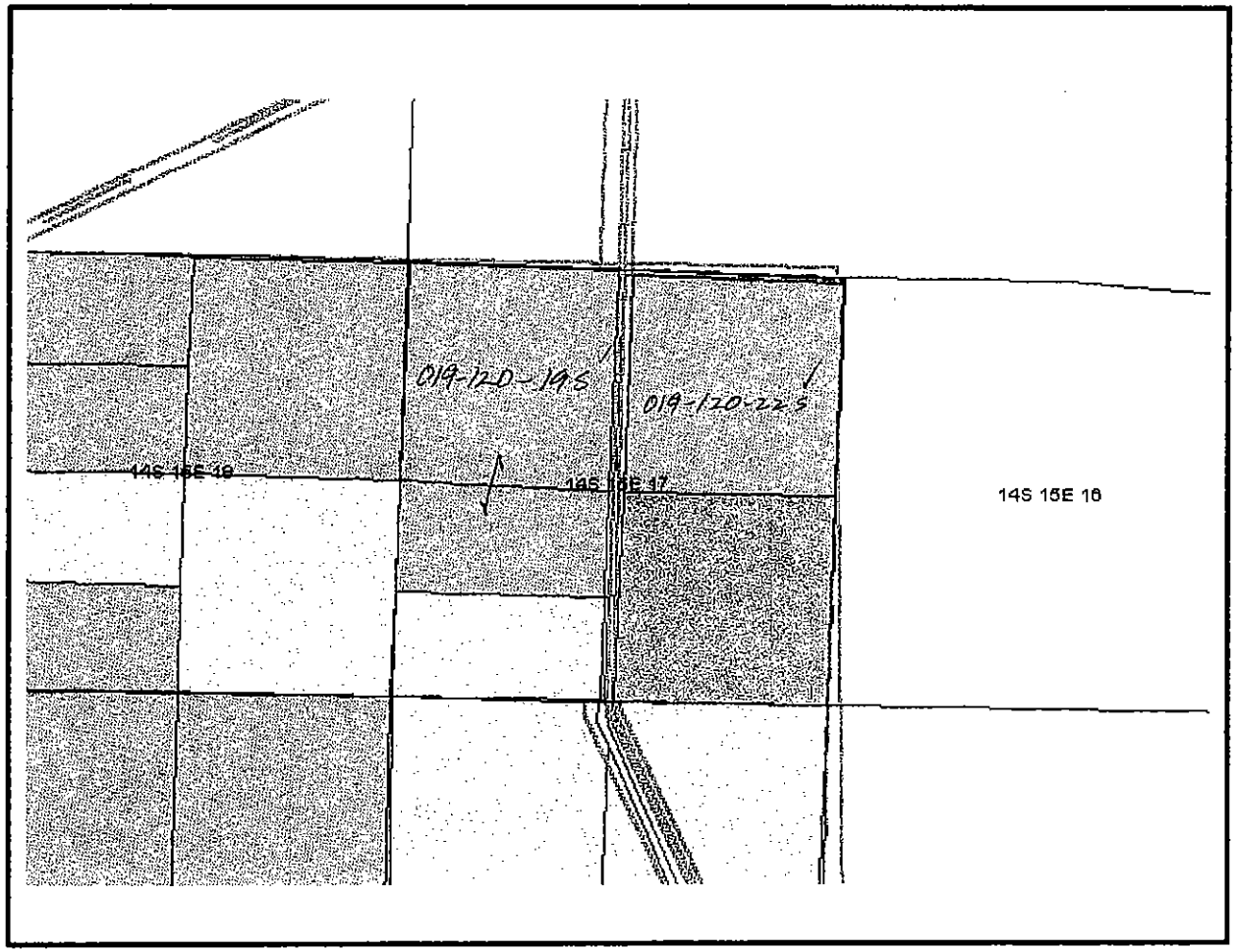
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Wednesday, May 7 2003

ESRI ArcExplorer 2.0 Silveira D #3

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

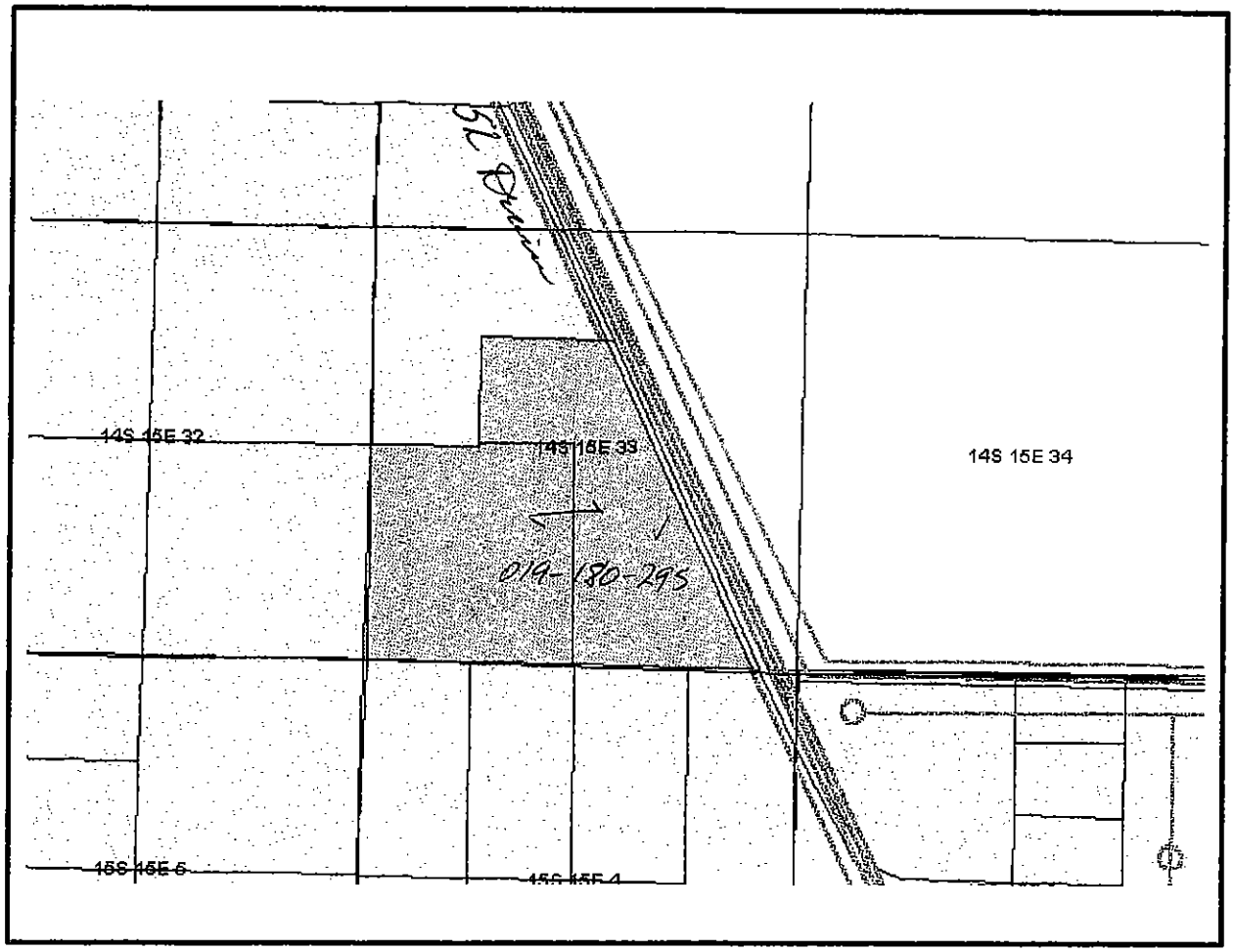
N

Wednesday, May 7 2003

D. SILVEIRA #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

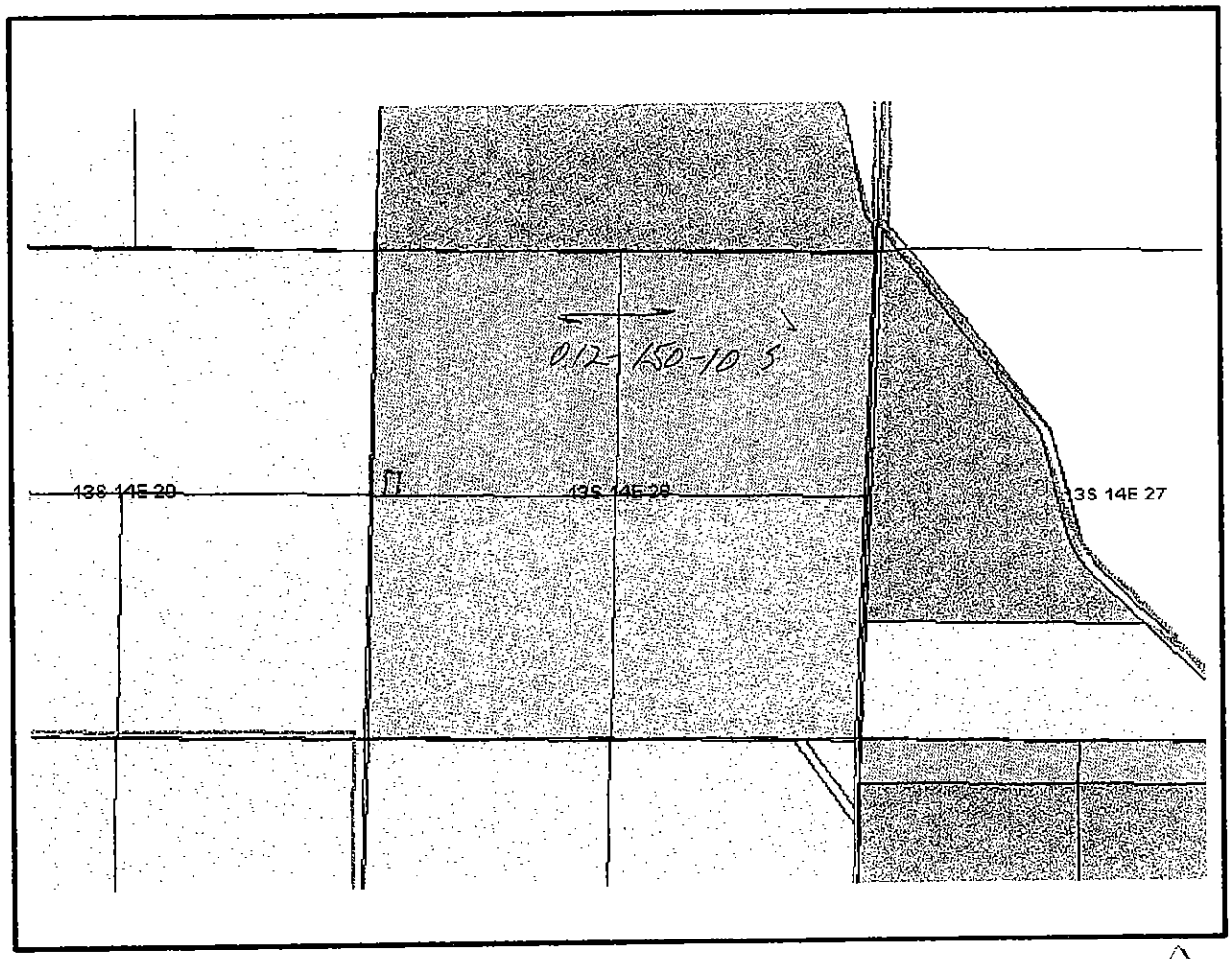
N

Wednesday, May 7 2003

SILVEIRA M.

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

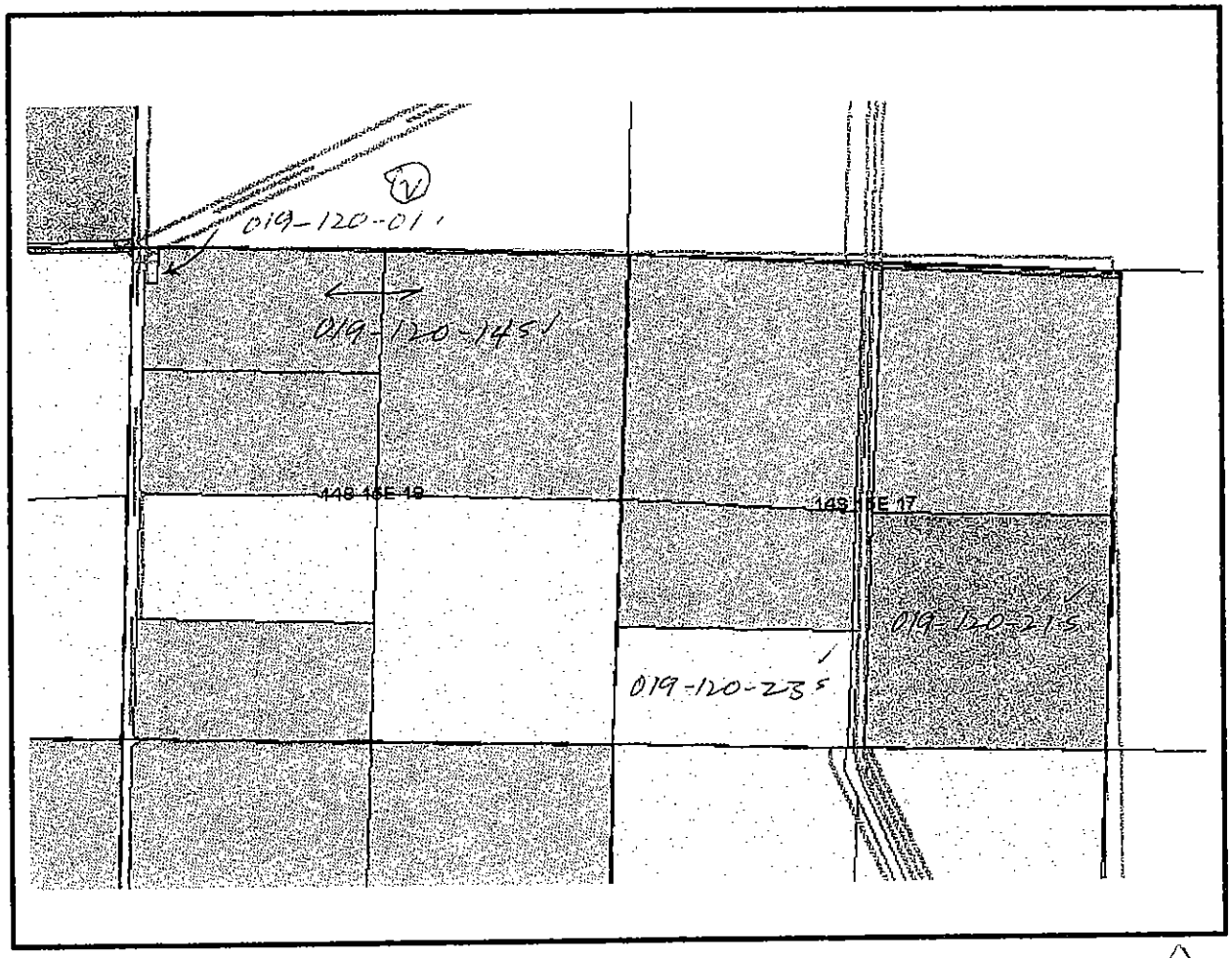
N

Thursday, May 8 2003

SILVEIRA MTR.

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

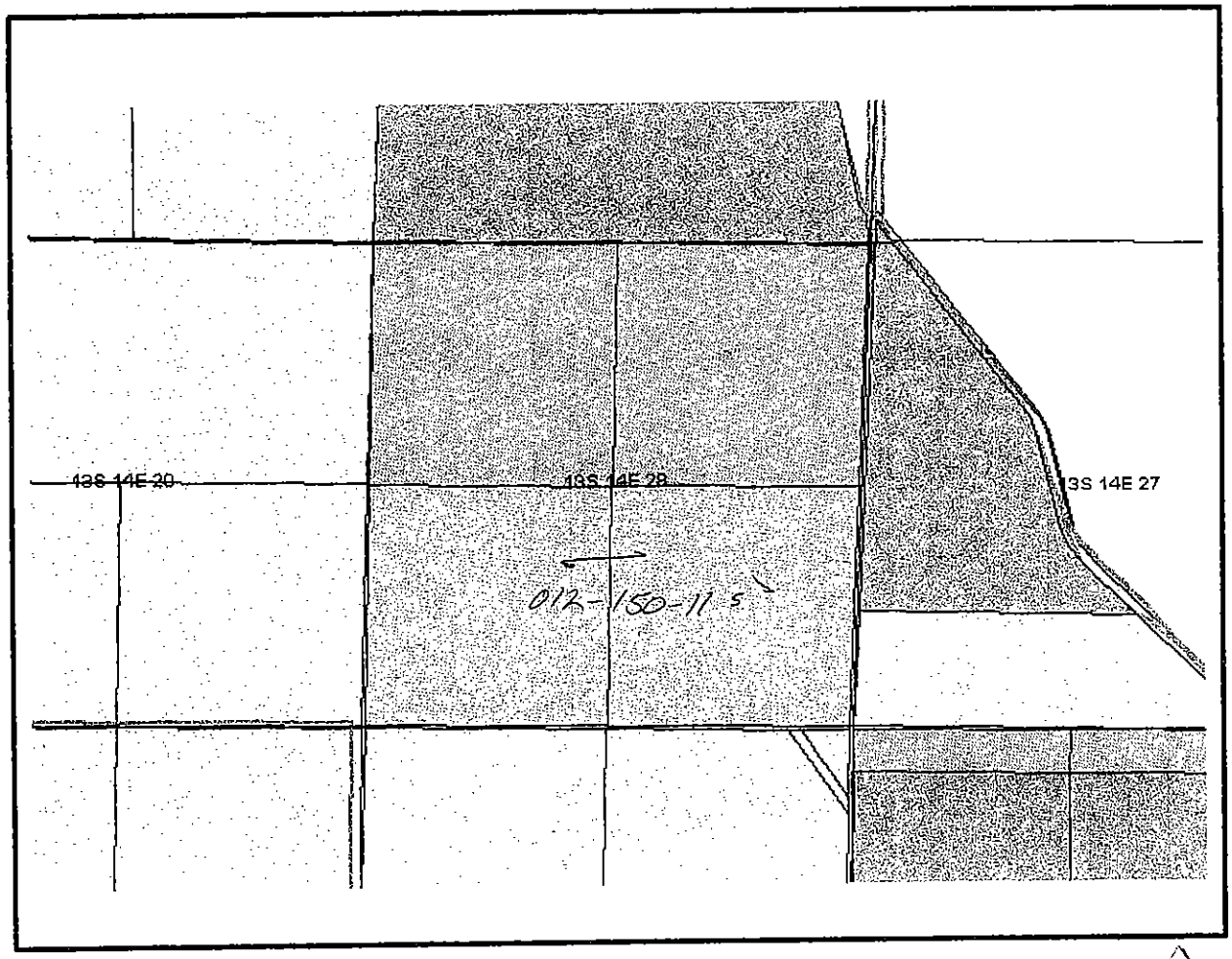
N

Thursday, May 8 2003

R. SILVEIRA

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

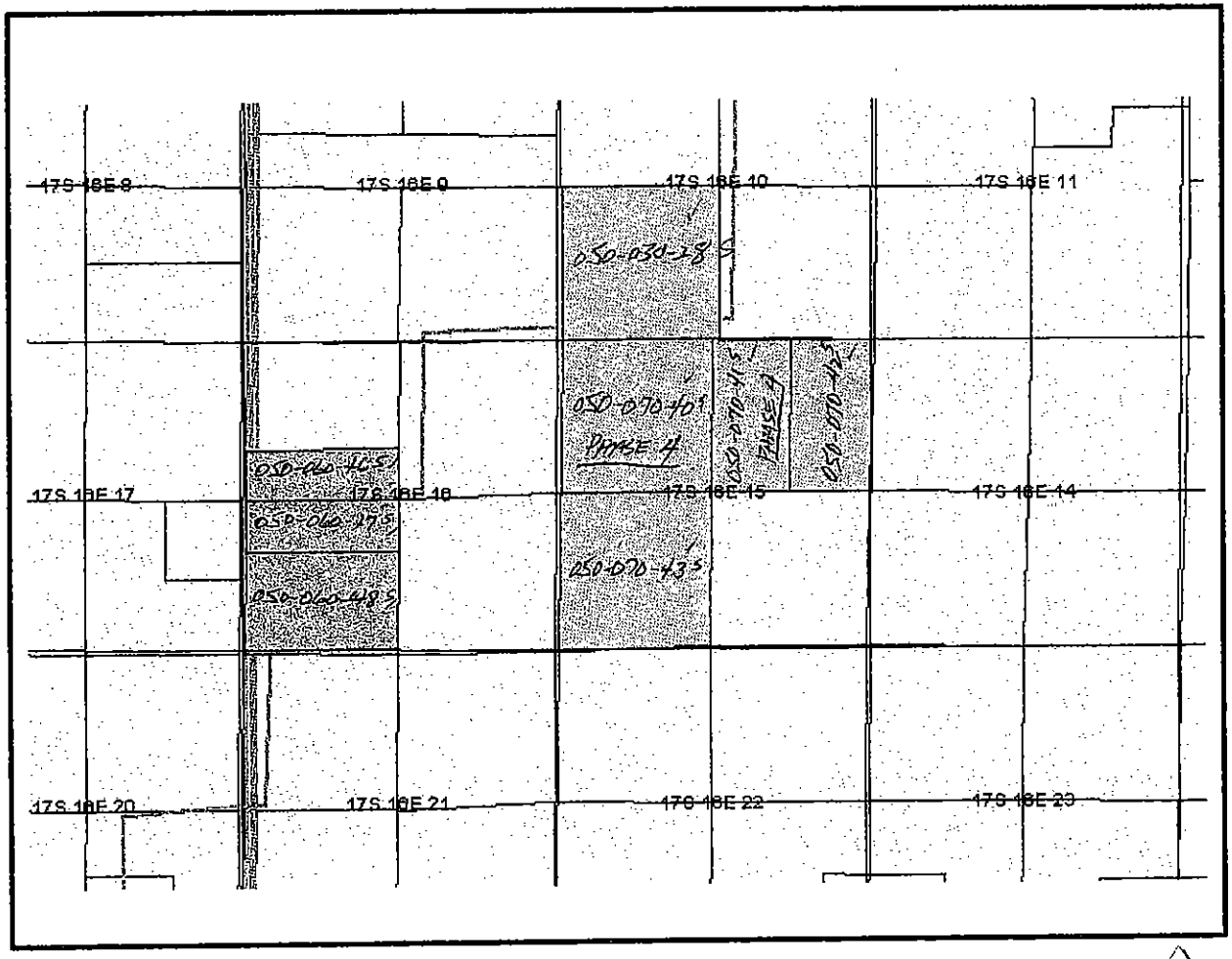
N

Friday, May 9 2003

THOMSEN

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

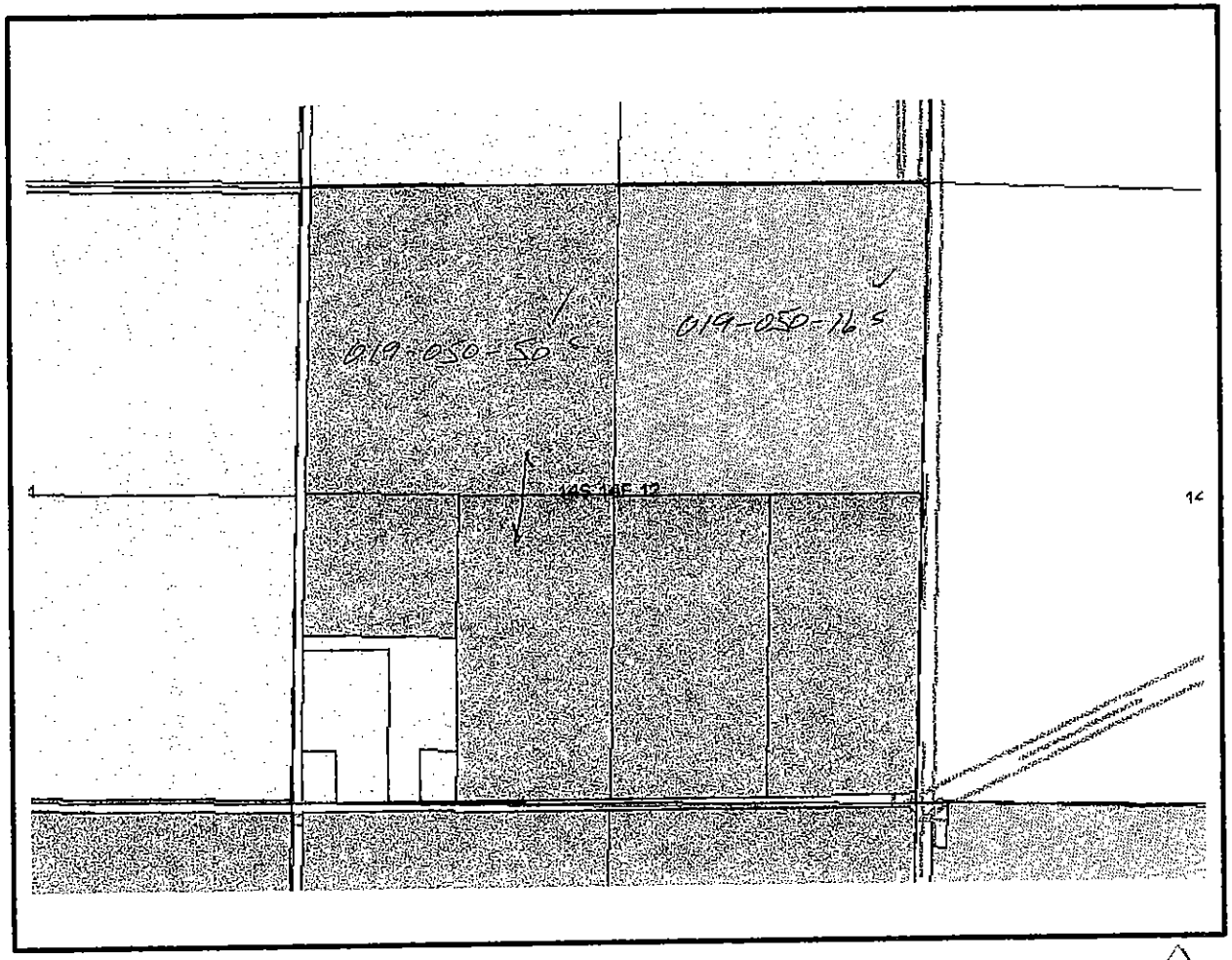
Monday, May 12 2003

'05 4'21

WALTON

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

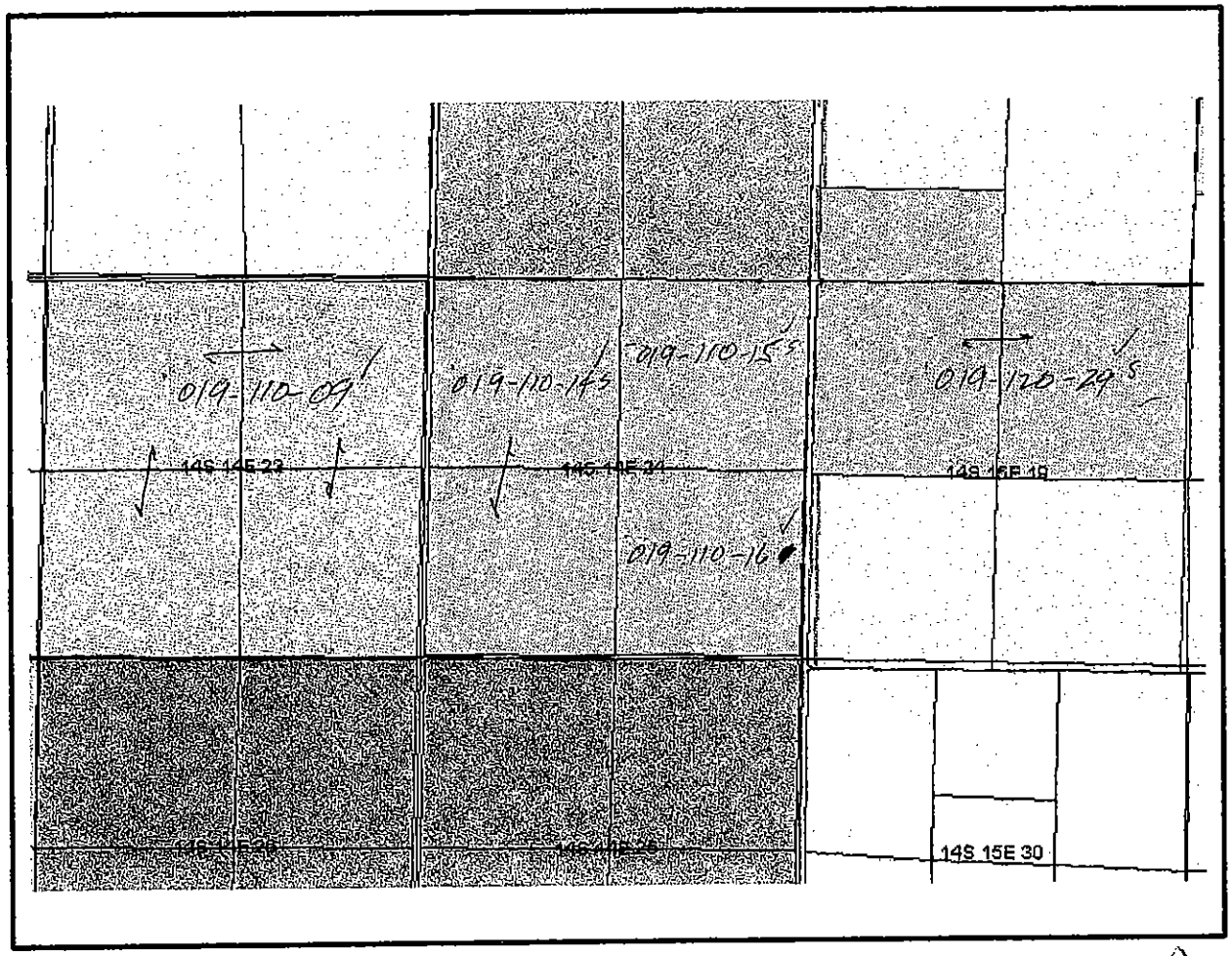
N

Monday, May 12 2003

WOLFSEN #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

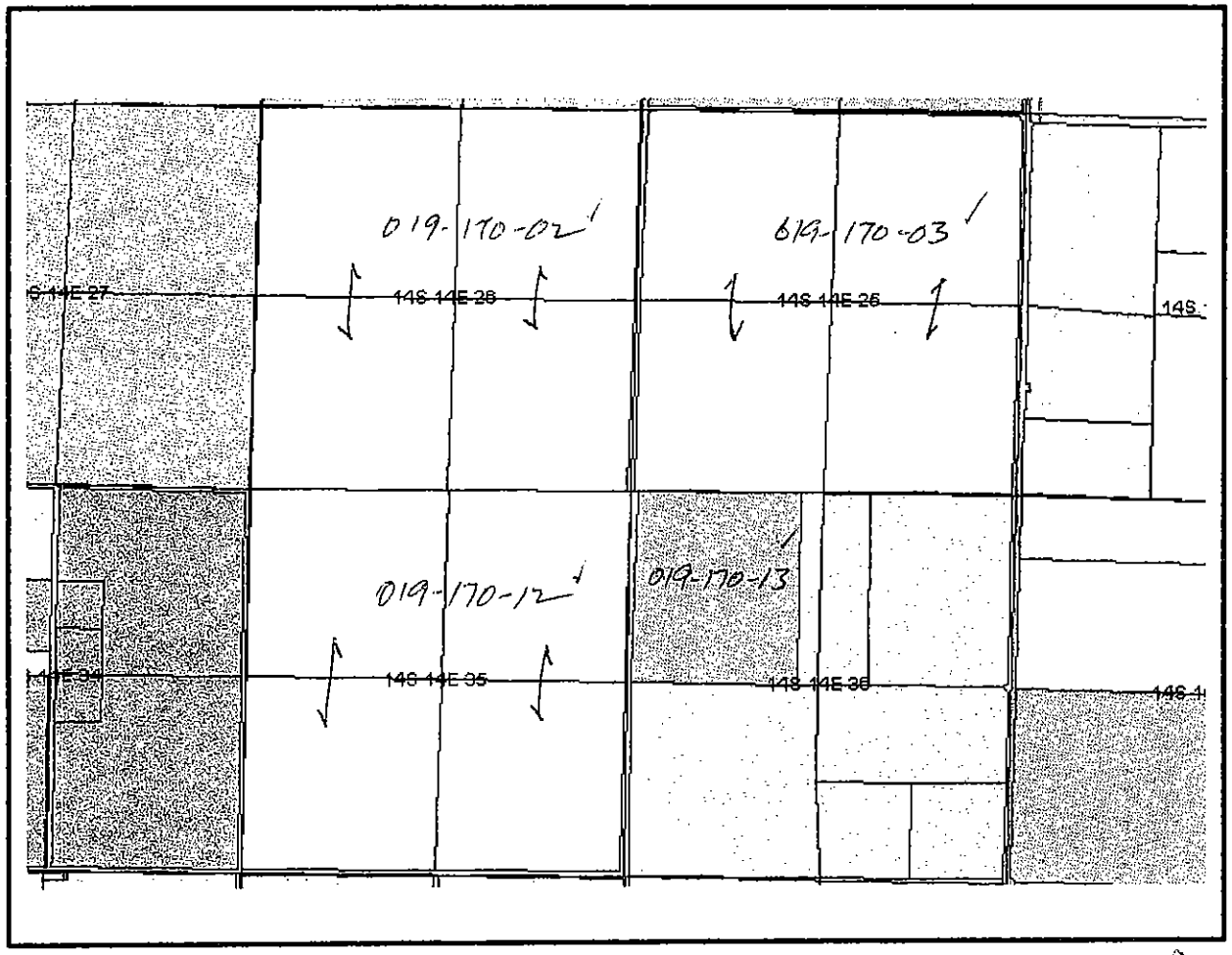
N

Monday, May 12 2003

WOLFSEN #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

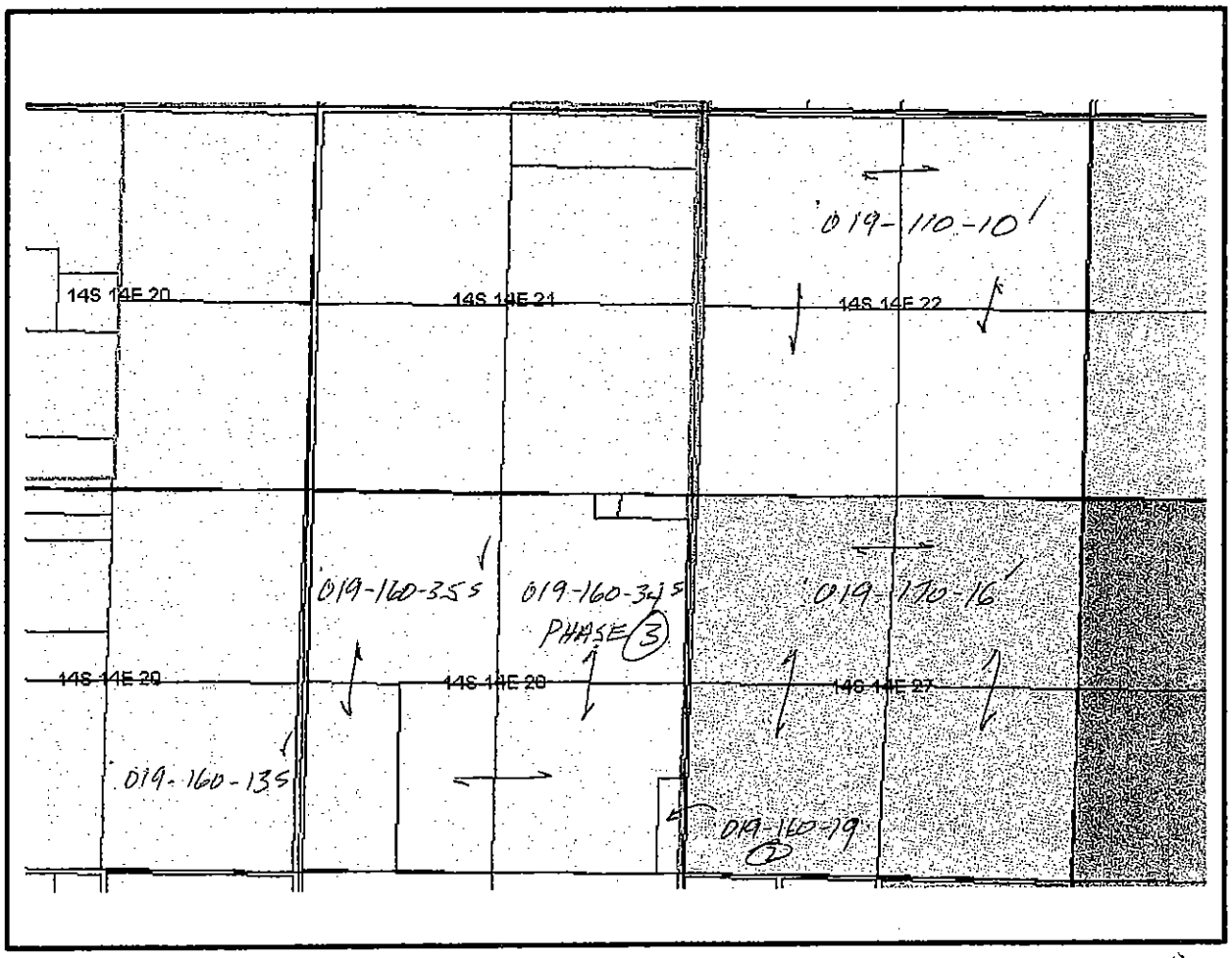
N

Monday, May 12 2003

WOLFSEN #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

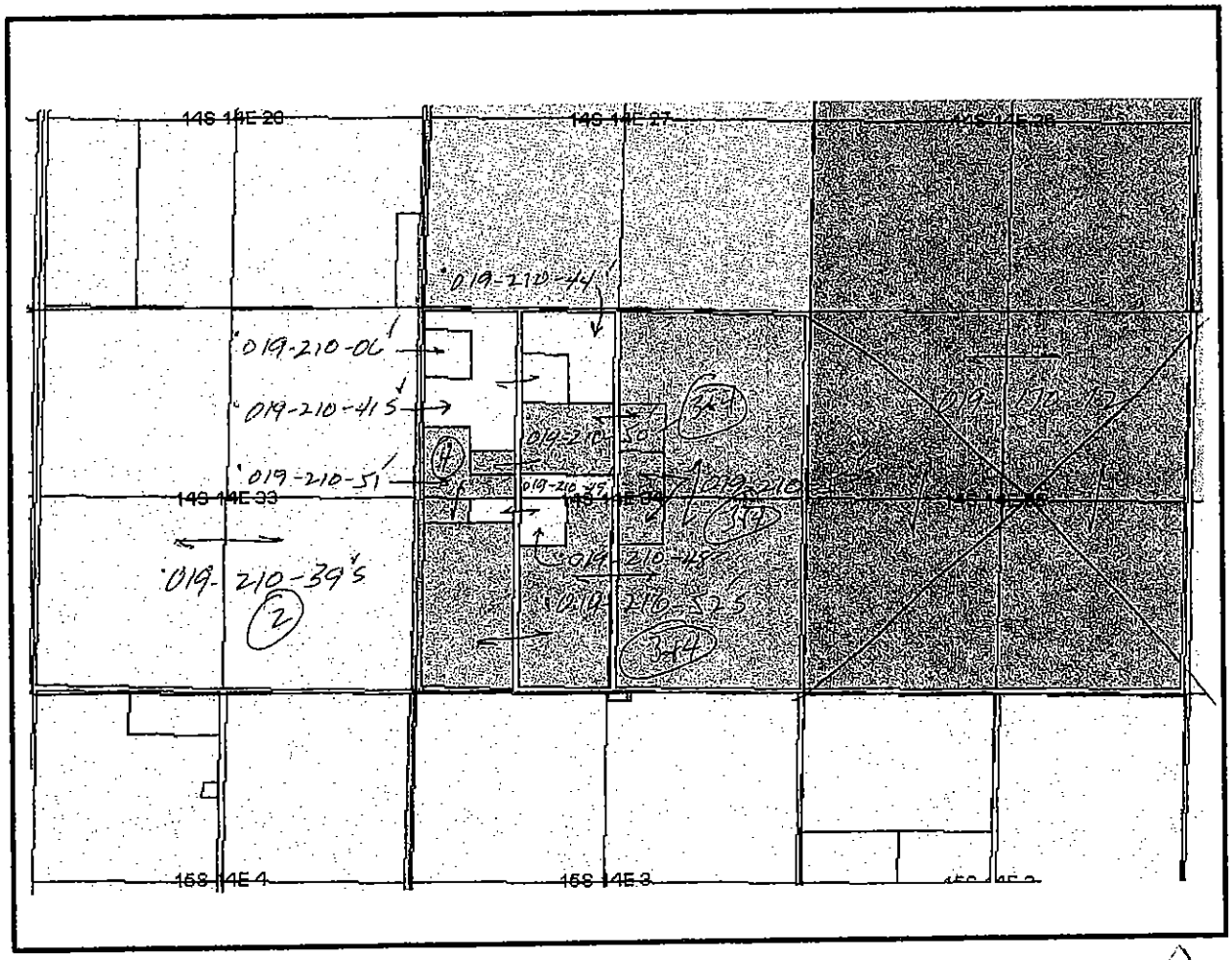
N

Monday, May 12 2003

WOLFSEN #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

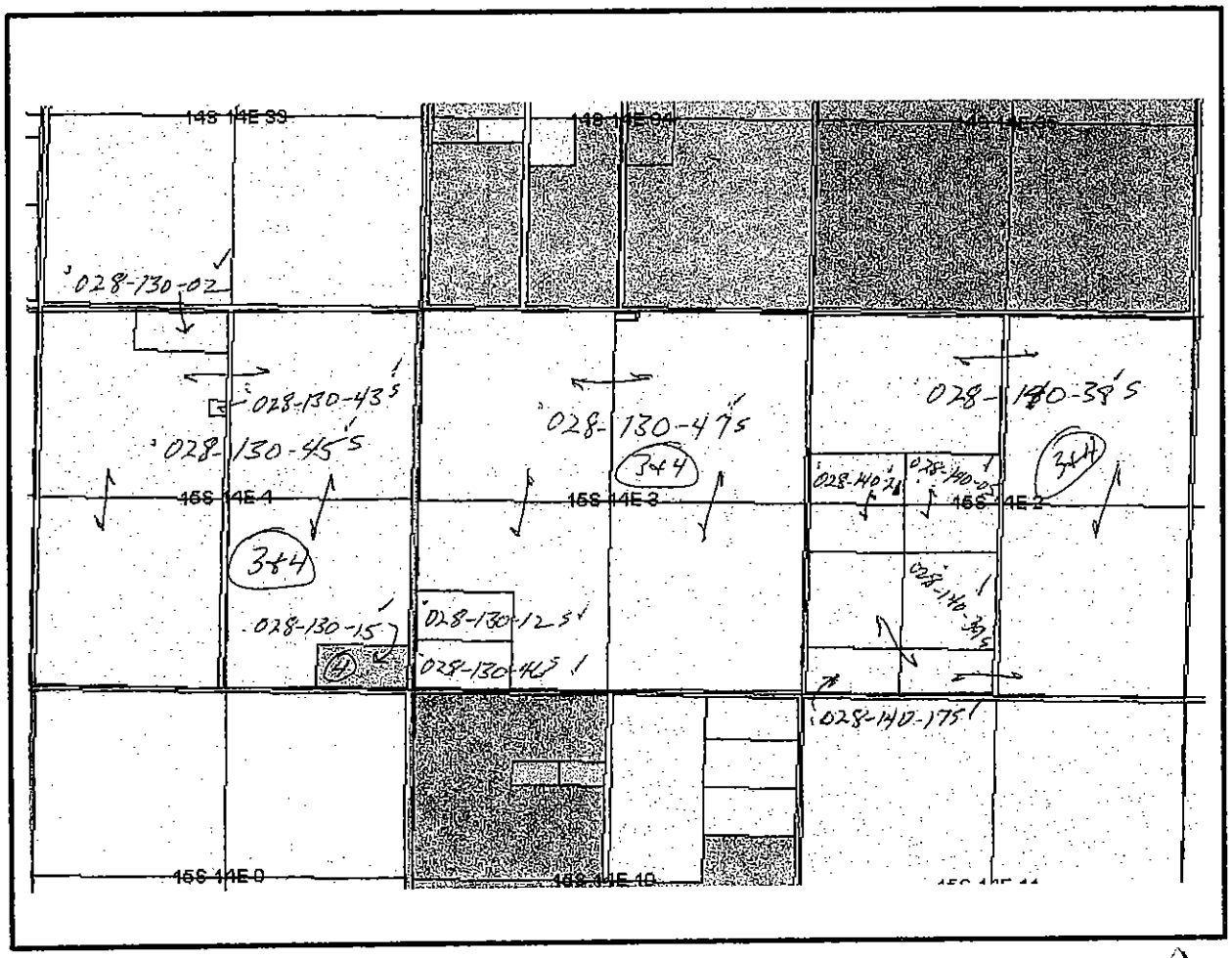
N

Monday, May 12 2003

WOLFSEN #5

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

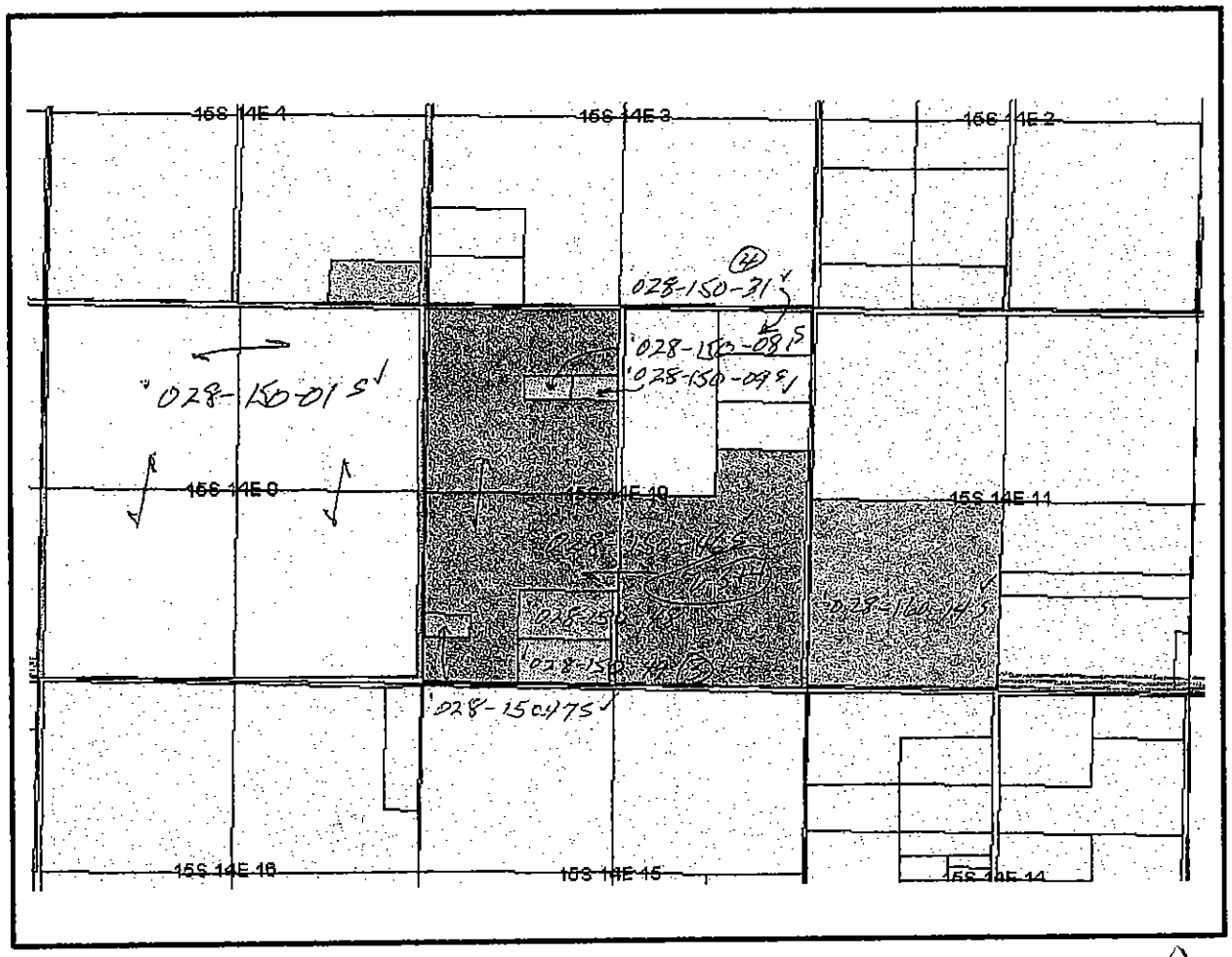
N

Monday, May 12 2003

WOLFSEN #6

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Monday, May 12 2003

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
Allen, A. D.	012 110 05S	Gwendolyn F. Benton/Allen, Arvid D/Mary J.	155.54			155.54
	012 110 16S	Kristy A. Brinkley	54.82	103.36		158.18
	012 110 22S	Kristy Brinkley		53.50	106.50	160.00
	012 110 24S	Shauna B. Diaz		40.35	78.32	118.67
	012 110 25S	Kristy A. Brinkley		13.15	25.52	38.67
			210.36	210.36	210.34	631.06
Allen, A. E.	011 130 12S	Cynthia Allen Best	**49.41**	**49.41**	**49.41**	**148.23**
Silveira, D.	019 050 19S	Rick & Allison Blanchard		79.09		79.09
	019 050 48S	Eric & Allison Blanchard		36.80		36.80
	019 050 55S	Dudley James & Charlotte J. Silveira			160.13	160.13
	019 050 56S	Dudley James & Charlotte J. Silveira			469.69	469.69
	019 050 59S	Rick & Allison Blanchard		77.43		77.43
	019 110 03S	Dudley James & Charlotte J. Silveira			314.60	314.60
	019 110 04S	Dudley James & Charlotte J. Silveira			156.38	156.38
	019 110 05S	Darrell Silveira		156.38		156.38
	019 110 06S	Dudley & Charlotte J. Silveira		156.38		156.38
	019 110 13S	Dudley James & Charlotte J. Silveira		472.70		472.70
	019 120 04S	Eletha A. Silveira	78.39			78.39
	019 120 13S	Eletha Silveira	78.23			78.23
	019 120 19S	Eletha Silveira	228.12			228.12
	019 120 22S	Eletha Silveira	155.17			155.17
	019 180 29S	Silveira	303.82			303.82
			843.73	**978.78**	**1,100.80**	**2,923.31**
Etcheberry	028 101 15S	Helen E. Etcheberry	20.00			20.00
	028 101 62S	Helen E. Etcheberry	126.27	146.27	146.27	418.81
			146.27	**146.27**	**146.27**	**438.81**
Guenther	028 101 22	Richard Earl & Patricia A. Guenther	80.00			80.00
	028 101 23S	Richard Earl & Patricia A. Guenther	80.00			80.00
	028 101 51S	Richard E. Guenther	60.00	160.00		220.00
	028 101 53	Richard Earl & Patricia A. Guenther		20.00		20.00
	038 320 01S	Richard Earl & Patricia A. Guenther			39.29	39.29
	038 320 06	Guenther, Richard E. Trustee, etal			38.20	38.20
	038 320 12S	Richard E. Guenther			20.00	20.00
	038 320 24S	Richard Earl & Patricia A. Guenther		20.00		20.00
	038 320 25S	Richard E. Guenther		20.00		20.00
	038 320 26S	Richard E. Guenther			40.00	40.00
	038 320 27S	Guenther Family Trust		20.00		20.00
	038 320 28S	Richard E. Guenther			20.00	20.00
	038 320 29S	Richard E. Guenther			20.00	20.00
	038 320 30S	Guenther			20.00	20.00
			220.00	**240.00**	**197.49**	**657.49**
Jones	012 110 08S	Llanada Farms			316.40	316.40
	012 110 09S	Llanada Farms			320.00	320.00
	012 120 15S	Jones Villere Farms		476.02		476.02
	012 150 07S	Llanada Farms			109.05	109.05
	012 150 09S	Llanada Farms		155.56		155.56
	012 180 05	Sarek Farms	33.54			33.54
	012 180 10S	Serek Farms	114.12			114.12
	012 180 12S	Serek Farms	8.89			8.89
	012 180 13S	Serek Farms	239.36			239.36
	012 180 14S	Serek Farms	37.59			37.59
	012 180 17S	Sarek Farms		150.79		150.79
	012 180 18S	Serek Farms	49.95			49.95
	012 190 02S	Serek Farms	246.02			246.02
			729.47	782.37	745.45	2,257.29
	012 160 24S	Western Farms LP	6.36			6.36
	012 160 25S	Western Farms LP	128.58			128.58
	012 190 09	Western Farms LP	11.84			11.84
	012 190 14S	Western Farms LP	77.50			77.50
	012 190 25S	Western Farms LP		306.78		306.78
	012 190 26S	Western Farms LP			308.86	308.86

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
			224.28	306.78	308.86	839.92
			953.75	**1,089.15**	**1,054.31**	**3,097.21**
Kriesant	019 180 01S	Kriesant Operating Co., Inc.		320.00	314.83	634.83
	019 180 31S	Carl J. E. Kriesant	316.57			316.57
	019 180 32S	Kriesant Operating Co., Inc.	160.00	156.57		316.57
	028 101 17S	Carl J. E. Kriesant			15.00	15.00
	028 101 50S	Carl J. E. Kriesant			160.00	160.00
	038 320 13S	Carl J. E. Kriesant			10.00	10.00
	038 320 31S	Carl J. E. Kriesant			20.00	20.00
			476.57	**476.57**	**519.83**	**1,472.97**
M. Silveira	012 150 10S	Judy E. Silveira	**318.17**			**318.17**
Mlr. Silveira	019 120 01	Miriam M. Silveira	1.29			1.29
	019 120 14S	Miriam M. Silveira	236.78			236.78
	019 120 21S	Miriam M. Silveira		155.17		155.17
	019 120 23S	Miriam M. Silveira			74.82	74.82
			238.07	**155.17**	**74.82**	**468.06**
O'Neill	050 080 05S	Trinity Farms	160.00			160.00
	050 120 40S	JE O'Neill, Inc. (Drainage easement only)			5.95	5.95
	050 120 45S	Laguna Farms	160.00			160.00
	060 030 19S	Carroll/O'Neill, LP		157.56		157.56
	060 030 21S	Carroll/O'Neill, LP	157.82			157.82
	060 030 24S	Laguna Farms	320.00			320.00
	060 030 29S	Trinity Farms		157.60		157.60
	060 041 02	Edwin R. O'Neill		0.60		0.60
	060 041 03	145 Farms		383.98		383.98
	060 042 03S	La Paloma Farms			280.53	280.53
	060 042 04S	Humboldt Ranches			309.02	309.02
	060 042 09S	JE O'Neill, Inc. (Drainage easement only)			6.69	6.69
	060 042 10S	Edwin R. O'Neill (Drainage easement only)	1.00			1.00
	060 042 12S	Excelsior Farms			151.57	151.57
	060 042 13S	Excelsior Farms		160.78		160.78
	060 042 15S	Excelsior Farms			160.00	160.00
	060 042 16S	Humboldt Ranches		160.00		160.00
	060 042 17S	La Paloma Farms		160.00		160.00
	060 042 18S	La Paloma Farms		160.00		160.00
	060 042 21S	Excelsior Farms			160.00	160.00
	060 042 22S	Humboldt Ranches		80.00		80.00
	060 042 24S	Humboldt Ranches (Drainage easement only)			7.12	7.12
	060 050 29S	Blake Randle O'Neill (Drain easement only)			11.14	11.14
	060 050 38S	Shasta Farms			9.08	9.08
	060 050 39S	Shasta Farms			9.08	9.08
	060 050 40S	Shasta Farms			299.18	299.18
	060 050 41S	Shasta Farms			307.40	307.40
	060 090 41S	Trinity Farms	320.00			320.00
	060 090 42S	Carroll/O'Neill, LP	320.00			320.00
			1,438.82	1,420.52	1,716.76	4,576.10
			-1.00		-23.78	-24.78
			1,437.82	**1,420.52**	**1,692.98**	**4,551.32**
Orff	028 110 05	Francis A. Orff		20.00		20.00
	028 110 07S	Francis A. Orff		160.00		160.00
	028 110 13	Francis A. Orff	40.00			40.00
	028 110 24	Francis A. Orff	40.00			40.00
	028 110 26S	Francis A. Orff	20.00			20.00
	028 110 30S	Francis Ronald Orff		15.00		15.00
	028 110 31S	Francis A. Orff		30.00		30.00
	028 110 32S	Francis A. Orff		22.50		22.50
	028 110 33	Francis A. Orff		10.00		10.00
	028 110 34	Francis A. Orff		30.00		30.00
	028 110 35	Francis A. Orff		4.13		4.13
	028 110 36	Francis A. Orff		20.00		20.00
	028 110 39S	Francis A. Orff		50.00		50.00

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
	028 110 44	Francis A. Orff			20.00	20.00
	028 110 45	Francis A. Orff		10.00		10.00
	028 110 49S	Francis A. Orff			0.52	0.52
	028 110 54S	Francis Ronald & Linda Orff	47.50			47.50
	028 110 55S	Francis A. Orff			1.13	1.13
	028 110 70S	Francis A. Orff	161.33			161.33
	028 110 74S	Francis A. Orff			80.00	80.00
	028 110 79S	Francis A. Orff			323.16	323.16
	028 110 86S	Francis A. Orff	20.00			20.00
			328.83	371.63	424.81	1,125.27
Peck	028 101 45S	Patrick S. Peck	158.16			158.16
	028 101 46S	John Kelly Peck	158.16			158.16
	028 101 47S	William T. & Kathleen P. Hopkins	160.00			160.00
	028 101 48S	Michael C. Peck	160.00			160.00
	028 110 46S	Peck Family Partners	2.59			2.59
	028 110 47S	Carolyn G. Peck	160.68			160.68
	038 071 21	Carolyn G. Peck			37.88	37.88
	038 071 22S	Carolyn G. Peck			37.85	37.85
	038 071 25	Sumner Peck Ranch, Inc.		40.00		40.00
	038 071 26	Carolyn G. Peck			40.00	40.00
	038 071 27S	Carolyn G. Peck			120.00	120.00
	038 071 28	Michael C. Peck		39.44		39.44
	038 080 03S	Peck Family Partners		160.00		160.00
	038 080 04S	Sumner Peck Ranch, Inc.		160.29		160.29
	038 080 05S	Kathleen P. Hopkins		160.00		160.00
	038 080 12S	Kathleen P. Hopkins			20.00	20.00
	038 080 13S	Kathleen P. Hopkins			19.10	19.10
	038 080 14S	Kathleen P. Hopkins			119.10	119.10
	038 080 16S	J. Kelly Peck, Trustee of Ashley Peck Trust		80.00		80.00
	038 080 17S	J. Kelly Peck, Trustee of Ashley Peck Trust		80.00		80.00
	038 080 18S	Kathleen P. Hopkins		157.60		157.60
	038 080 21S	Sumner Peck Ranch, Inc.			78.80	78.80
	038 080 22S	Sumner Peck Ranch, Inc.			78.80	78.80
	038 080 23S	Sumner Peck Ranch, Inc.		160.00		160.00
	038 080 25S	Sumner Peck Ranch, Inc.			158.19	158.19
	038 080 32S	Sumner Peck Ranch, Inc.			83.69	83.69
	038 080 33S	Sumner Peck Ranch, Inc.			83.69	83.69
	038 080 35S	Kathleen P. Hopkins		164.96		164.96
	038 080 38S	Peck Family Partners		160.00		160.00
	038 080 39S	Sumner Peck Ranch, Inc.	0.04			0.04
	038 080 40S	Sumner Peck Ranch, Inc.	0.05			0.05
	038 080 44S	Sumner Peck Ranch, Inc.	8.37			8.37
	038 080 45S	Maria Kate Manock	157.56			157.56
	038 141 35S	Kathleen P. Hopkins			37.07	37.07
	038 141 48S	Kathleen P. Hopkins			122.30	122.30
	038 150 64S	Kathleen P. Hopkins			158.19	158.19
	038 150 65S	Carolyn G. Peck			160.00	160.00
	038 150 68S	Carolyn G. Peck			85.99	85.99
	038 320 17	R. Murphy Peck	161.03			161.03
	038 320 18S	Maury D. Peck	160.00			160.00
	038 320 23S	Amy N. Peck Lazarus	156.82			156.82
	038 320 33S	Sumner Peck Ranch, Inc.		102.53		102.53
	038 320 34S	Sumner Peck Ranch, Inc.		13.99		13.99
			1,443.46	**1,478.81**	**1,440.65**	**4,362.92**
R. Silviera	012 150 11S	Richard G. & Joanne Y. Silveira	**106.05**	**106.06**	**106.06**	**318.17**
Seasholtz	011 160 15S	Mendota Land Company			60.00	60.00
	011 160 16S	Mendota Land Company			80.00	80.00
	011 160 17S	Mendota Land Company			78.19	78.19
	019 040 04S	Pappas Land Company		161.14		161.14
	019 040 05S	Pappas Land Company		161.06		161.06
	019 050 61S	Pappas Land Company	321.04			321.04
			321.04	**322.20**	**218.19**	**861.43**
Thomsen	050 030 28S	Allen S. Thomsen, Trustee, etal	160.00			160.00

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
	050 060 46S	Elizabeth Thomsen		52.53		52.53
	050 060 47S	Veronica Thomsen Gonser		52.53		52.53
	050 060 48S	Kenneth & Paulette Thomsen		105.07		105.07
	050 070 40S	Thomas L. Thomsen			160.00	160.00
	050 070 41S	Joanne C. Thomsen			80.00	80.00
	050 070 42S	Kenneth & Paulette Thomsen	80.00			80.00
	050 070 43S	Kenneth & Paulette Thomsen	160.00			160.00
			400.00	**210.13**	**240.00**	**850.13**
Walton	019 050 16S	James R. Walton	158.14			158.14
	019 050 50S	James R. Walton		237.29		237.29
			158.14	**237.29**	**0.00**	**395.43**
Wolfsen	019 110 09	Michael StPeter	158.19	316.38	158.19	632.76
	019 110 10	Michael StPeter			632.76	632.76
	019 110 14S	Michael StPeter	314.56			314.56
	019 110 15S	Michael StPeter	158.18			158.18
	019 110 16	Michael StPeter	156.38			156.38
	019 120 29S	Michael StPeter	317.07			317.07
	019 160 13S	Barbara Butts Lindemann, Trustee			158.18	158.18
	019 160 19	Lindemann	9.10			9.10
	019 160 34S	Lindemann		377.53		377.53
	019 160 35S	Barbara Butts Lindemann, Trustee			236.36	236.36
	019 170 02	Michael StPeter	477.55	159.18		636.73
	019 170 03	Michael StPeter	474.56	158.19		632.75
	019 170 12	Michael StPeter	316.37	316.37		632.74
	019 170 13	Michael StPeter	138.18			138.18
	019 170 16	Michael StPeter	159.09	318.18	159.09	636.36
	019 210 06	Turner Island Farms			10.00	10.00
	019 210 39S	Lindemann	316.38			316.38
	019 210 41S	Michael StPeter			55.00	55.00
	019 210 44	Derek Heafey			27.77	27.77
	019 210 48	Michael StPeter			14.34	14.34
	019 210 49	Turner Island Farms			9.56	9.56
	019 210 50	Lionel J. & Charlotte J. Caeton, Trustees		10.00	35.00	45.00
	019 210 51	Michael StPeter			25.00	25.00
	019 210 52S	Michael StPeter		134.28	278.15	412.43
	019 210 53S	Michael StPeter		9.55	9.55	19.10
	028 130 02	Thomas Daniel & Mary Antoinette K. Chase			20.00	20.00
	028 130 12S	Turner Island Farms			19.54	19.54
	028 130 15	Michael StPeter			20.00	20.00
	028 130 43S	Michael StPeter			1.00	1.00
	028 130 45S	Michael StPeter		155.58	425.73	581.31
	028 130 46S	Turner Island Farms			20.14	20.14
	028 130 47S	Michael StPeter		315.07	275.69	590.76
	028 140 05	Marshall N. Mc Fie II, Trustee			40.00	40.00
	028 140 17S	Michael StPeter			20.00	20.00
	028 140 21	Marshall N. Mc Fie II, Trustee			40.00	40.00
	028 140 38S	Michael StPeter		155.33	326.90	482.23
	028 140 39S	Michael StPeter			39.09	39.09
	028 150 01S	Michael StPeter		315.48	309.48	624.96
	028 150 08S	Laura K. Belden, Trustee	5.00			5.00
	028 150 19S	Michael StPeter	5.00			5.00
	028 150 31	Michael StPeter			20.00	20.00
	028 150 46S	Micbael StPeter	145.42	112.21	174.84	432.47
	028 150 47S	Michael StPeter		4.78		4.78
	028 150 48	Michael StPeter		19.66		19.66
	028 150 49	Lionel J. & Charlotte J. Caeton, Trustees		18.77		18.77
	028 160 14S	Michael StPeter		158.20		158.20
			3,151.03	**3,054.74**	**3,561.36**	**9,767.13**
			10,802.70	***10,240.31***	***10,728.46***	***31,547.19***

APPENDIX B

APPENDIX B
Summary of Regulatory Agency Program Lists

The summaries of regulatory program lists herein do not present legal opinions. An attorney was not contacted regarding these summaries or their ramifications on real property transfer.

USEPA

CERCLIS
The Comprehensive Environmental Response Compensation and Liability Act (CERCLA or "Superfund"), 42 USC Section 9601, was passed in 1980 to provide for a Federal response to hazardous substances in the environment. The CERCLIS list is a database used by the USEPA to track activities conducted under its Superfund Program. Sites which come to EPA's attention that may have a potential for releasing hazardous substances into the environment are added to the CERCLIS inventory.

NPL
The USEPA has prioritized sites with significant risk to human health and the environment. These sites may receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

RCRA Violators
RCRA provides for "cradle to grave" regulation of hazardous wastes. Evaluation of potential violations, ranging from manifests requirements to hazardous waste discharges is conducted by the USEPA.

STATE OF CALIFORNIA

AWP
The Health and Safety code, as amended by AB129, requires the DTSC to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

DTSC is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the DTSC and the USEPA over the next five years.

CalSites
The Historical Abandoned Site Survey Program (ASPIS) maintained by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) identifies

certain potential hazardous waste sites. These site determinations were generally not made via sampling and site characterization. They were made as a result of file searches and drive-by surveys. Some of the sites may have had a site inspection and sampling.

The ASPIS database, currently known as CalSites, contains a listing of sites which either have been or are under investigation by the DTSC or other regulatory agencies. The information has been compiled into this database by the CalEPA in accordance with Section 253596 of the California Health and Safety Code. The listings are now included in the Site Mitigation and Brownfields Reuse Program Database available on the internet (http://www.dtsc.ca.gov/database/CalSites/calf001.cfm).

LUFTIS

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

SWIS

The SWIS database is maintained by the California Integrated Waste Management Board and contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

FRESNO COUNTY COMMUNITY HEALTH DEPARTMENT

CUPA

The CUPA is responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that:

- Require Hazardous Materials Business Plans;
- Require California Accidental Release Prevention plans or Federal Risk Management Plans;
- Operate Underground Storage Tanks;
- Operate Aboveground Storage Tanks;
- Generate Hazardous Waste(s); and
- Have Onsite Treatment of Hazardous Waste(s)/Tiered Permits.

Compliance is achieved through routine inspections of all regulated facilities, and investigation of citizen based complaints and inquiries regarding improper handling and/or disposal of hazardous materials and/or hazardous wastes. Hazardous waste source reduction is a primary goal of the CUPA. Additionally, the Agency provides oversight for the remediation of contaminated sites.

The CUPA identifies facilities that may have to prepare:

- A Hazardous Materials Business Plan;
- A Federal Risk Management Plan (RMP) ; or,
- A California Accidental Release Prevention (CalARP) plan; or
- Any combination of these plans.

Information is collected for public access under the Community Right to Know Act and the information is reported to Federal, State, and Local agencies as required by statute and/or regulation. The intent of each plan is to prevent major off-site releases that could affect the public and/or environment, provide facility employees information on how to appropriately respond during a release, and assist emergency responders in the event of a release.

APPENDIX C

STATE OF CALIFORNIA - Environmental Protection Agency

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
3614 East Ashlan Ave.
Fresno, CA 93726
PHONE: (209) 445-5116
FAX: (209) 445-5910

FILE

24 May 1996

Ms. Carolyn G. Peck
Sumner-Peck Ranch, Inc.
14354 Road 204
Madera, CA 93638

STATUS OF CLOSURE ACTIVITIES, SUMNER-PECK RANCH, INC., EVAPORATION BASIN, FRESNO COUNTY

We have reviewed the status of investigative/closure activities to date, and conclude that:

1. A closure plan addressing the comments from our memorandum of 4 December 1995 needs to be provided.

2. A representative sampling plan should be included with the latest results of basin sampling.

Enclosed is a memo regarding our review of the project status. Prior to **30 July 1996**, please provide us with a technical report which contains a plan and time schedule addressing items 1 and 2 above.

Should you have any questions regarding this letter, please telephone David Troop at (209) 488-4389.

F. SCOTT NEVINS
Senior Engineer
RCE No. 14336

DDT:ddt

cc: Mr. Michael Morse, U.S. Fish and Wildlife Service, Sacramento
Ms. Charyce Taylor, Department of Water Resources, Fresno
Dr. Jeff Single, Department of Fish and Game, Fresno
Mr. Michael Campos, Graham & James, Sacramento
Mr. Raymond Carlson, Baker, Manock & Jenson, Fresno
Mr. Bruce Myers, Krazan & Associates, Inc., Clovis

APPROVED
author 5/30/96
senior 5/30/96

MEMORANDUM

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD • CENTRAL VALLEY REGION
3614 East Ashlan Ave.
Fresno, CA 93726
Phone: (209) 445-5116
CALNET: 8-421-5116

To: F. SCOTT NEVINS
Senior Engineer

From: DAVID D. TROOP
Staff Engineer

DATE: 24 May 1996

SIGNATURE:

Subject: *STATUS OF CLOSURE ACTIVITIES, SUMNER-PECK RANCH, INC., EVAPORATION BASIN, FRESNO COUNTY*

I have reviewed the 27 January 1994 report entitled "Closure/Financial Assurance Plan", along with file documents detailing prior site activities and monitoring events. The following is a summary of site conditions and the status of closure activities.

BACKGROUND

The evaporation basin (site) is in the west-central San Joaquin Valley in a predominantly agricultural area approximately 13 miles south of Mendota. The site, approximately 100 acres in size and divided into six cells by earthen berms, was designed to dispose of agricultural drainage water from the surrounding 960 acres of farmland. The site is connected to a subsurface drainage system consisting of a buried tile-drain network and is designed to control subsurface groundwater levels below the root zone.

The site lies within the Panoche-Cantua Interfan, and consists of soils which are finer grained, consisting of more silts and clays, than the soils which comprise adjacent alluvial fans. Borings drilled in the vicinity of the site indicate that the upper 50 feet of subsurface consists predominantly of interbedded clays, silty clay, fine sandy clays, silty clayey sands and poorly graded fine sand lenses. The Corcoran Clay (locally termed E-Clay) Member of the Tulare Formation underlies the region near the site, and is approximately 100 feet thick at a depth of approximately 700 feet below ground surface (bgs).

Groundwater exists in a perched zone approximately 5 - 7 feet bgs, is of poor quality, and exhibits an electrical conductivity (EC) between 4,000 to 30,000 µmhos/cm. Better quality groundwater exists above the E-Clay at depths of around 400-500 feet bgs and exhibits an EC of around 1200-3500 µmhos/cm.

REMAINING ISSUES TO BE ADDRESSED

Waste Discharge Requirements Order No. 93-165, Provision B.4., required Sumner-Peck Ranch, Inc. (Peck) to submit a financial assurance and closure plan for review and approval of the Executive Officer. The plans were submitted on 27 January 1994 and were commented on by various agencies. Our 4 December 1995 memorandum listed the following deficiencies in the closure plan:

1. Confirmation that sediment concentrations in the basin are at background levels.

2. Lack of a final drainage and grading plan to eliminate water ponding, which could create a hazard to wildlife.

3. Lack of an adequate wildlife monitoring program, along with appropriate/adequate mitigation measures.

4. Lack of a permanent solution for decommissioning the underlying tile-drainage system.

Final plans addressing these issues were requested by 8 January 1996 and have not yet been received.

Recent telephone conversations with the consultant (Krazan) indicate that sediment samples collected from the basin on 5 April 1996 are expected to show background concentrations of selenium. Results of this sampling have not been received. Further, in review of file information, a representative sampling plan has not been located.

CONCLUSION

1. A closure plan addressing the comments from our memo of 4 December 1995 needs to be submitted.

2. A representative sampling plan should be included with the latest results of basin sampling.

Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair

Fresno Branch Office
Internet Address: http://www.swrcb.ca.gov/~rwqcb5
1685 E Street, Fresno, California 93706-2020
Phone (559) 445-5116 • FAX (559) 445-5910

FILE

Gray Davis
Governor

19 December 2002

Mr. Scott Skinner
Murrieta Farms (Westland Trust)
5854 S. San Diego
Mendota, CA 93650

Mr. Red Martin
Westside Resource Conservation Service
3763 E. Robinson Avenue
Fresno, CA 93726-5917

CLOSURE PLAN, MENDOTA AGROFORESTRY DEMONSTRATION PROJECT, FRESNO COUNTY

On 12 December 2002, we received an addendum to your closure plan. The amended closure plan appears adequate. The amended plan anticipates completed closure by 3 January 2003. Please proceed with closure as specified in the addendum to the closure plan. Upon completion of closing the solar evaporator we will schedule a notice of proposed rescission for Order No. 94-299 and propose a monitoring and reporting program as outlined in the addendum to the closure plan. Attached is a draft of the monitoring and reporting program for your review and comment.

Within 60 days of completing field activities for closure, please submit a post closure report certifying that the site was closed in accordance with the amended closure plan. As part of the post closure report, please provide photographs of the closed solar evaporator.

If you have any questions regarding this matter, please email or telephone Anthony Toto at totoa@rb5f.swrcb.ca.gov or (559) 445-6278.

Clay L. Rodgers

CLAY L. RODGERS
Senior Engineering Geologist
CEG No. 1794

ALT

cc: Mr. Walt Shannon, Division of Water Quality, State Water Resources Control Board, Sacramento
Mr. Jose Faria, Department of Water Resources, Fresno
Mr. Manuchar Alemi, Department of Water Resources, Sacramento

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO.

FOR
MURRIETA FARMS (WESTLANDS TRUST)
CLOSED DEMONSTRATION SITE
FRESNO COUNTY

This program shall monitor best management practices for erosion control implemented by Murrieta Farms (Westlands Trust), to control erosion at the sediment encapsulation area and to prevent the occurrence of blowing dust at the closed evaporation basin. This program is required pursuant to Section 13267 of the California Water Code. In the event of any change in ownership or responsibility for monitoring of the closed demonstration site, Murrieta Farms (Westlands Trust) shall notify the succeeding owner or operator of the existence of this Monitoring and Reporting Program by letter, a copy of which shall be immediately forwarded to this office.

a. Site Inspection

Annually, prior to the anticipated rainy season, but no later than 30 September, the Discharger shall conduct an inspection of the encapsulated area. The inspection shall assess the encapsulated area for any evidence of ponded water at any point on the facility (show affected area on map); or any evidence of erosion. Any necessary construction, maintenance, or repairs shall be completed by 31 October.

b. Storm Events

The Discharger shall inspect the encapsulated area for damage **within 7 days** following *major storm events*. Necessary repairs shall be completed **within 30 days** of the inspection. The Discharger shall report any damage and subsequent repairs within 45 days of completion of the repairs, including photographs of the problem and the repairs.

REPORTING

By 1 December of each year, the Discharger shall submit an annual report describing the results of the inspection and the repair measures implemented, including photographs of the problem and the repairs.

The annual report shall also provide:

a. The names, titles, general responsibilities of persons monitoring.

b. The names and telephone numbers of persons to contact for emergency and routine situations.

All reports submitted in response to this Order shall comply with the following signatory clause and appropriate signatures must be included.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

DRAFT

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

_____
(Date)

ALT

BSK

ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT

22, 627 Acres of Farmland
Phase 3 and 4 Properties
Within Westlands Water District
(Westlands W.D. RFP #03-402)
Fresno County, California

BSK E03.132.01F

Prepared for:

Mr. Russ Freeman
Westlands Water District
3130 North Fresno Street
Fresno, California 93703

August 18, 2004

Engineers, Geologists, Environmental Scientists

BSK

567 W. Shaw Ave., Ste. B
Fresno, CA 93704
(559) 497-2880
FAX (559) 497-2886

VIA HAND-DELIVERY **BSK E03.132.01F**

August 18, 2004

Mr. Russ Freeman
WESTLANDS WATER DISTRICT
3130 North Fresno Street
Fresno, California 93703

SUBJECT: Addendum to Limited Phase I Environmental Site Assessment 22,627 Acres of Farmland, Phase 3 and 4 Properties within Westlands Water District Fresno County, California (Westlands W.D. RFP #03-402)

Dear Mr. Freeman:

BSK Associates has prepared this Addendum to the Limited Environmental Assessment (LESA) addressing the follow-up review of selected properties within Phases 3 and 4 originally addressed in the LESA. Our services were provided to Westlands Water District in accordance with the scope of services presented in BSK's proposal E03.132.01F, dated June 25, 2003.

We appreciate this opportunity to be of continuing service to Westlands. Please contact us at (559) 497-2880, if you have questions concerning the report.

Sincerely,
BSK ASSOCIATES

C. Scott Smith, P.E.
Senior Environmental Engineer

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT SMITH
No. 040118
Exp. 3/31/05
CIVIL
STATE OF CALIFORNIA

CSS/mlt

cc: Mr. Russ Freeman (3 bound originals + 1 disc)
BSK File 310 (1 original + E-copy)

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J:\40\03\E03.132.01F Westlands 32K acre LESA\update phases 3, 4\report.doc

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ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT 22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN WESTLANDS WATER DISTRICT FRESNO COUNTY, CALIFORNIA

1.0 INTRODUCTION

This report presents the results of BSK Associates follow-up review of 22,627acres of farmland designated as Phases 3 and 4 of the Sumner-Peck Settlement Agreement. for Westlands Water District (Westlands).

A Limited Environmental Assessment (LESA) was conducted in 2003 for 31,500 acres of farmland collectively designated as Phases 2, 3 and 4 (BSK, 2003). The Phase 1 property transfers were previously completed. The Phase 3 and 4 follow-up reviews were originally to be conducted separately, but, at the request of Westlands, the reviews were conducted concurrently.

2.0 OBJECTIVE

The objective of the follow-up reviews was to identify and evaluate conditions at the Site properties, and at adjacent properties, with regard to possible sources of recognized environmental conditions which may have impacted the Site since the time of the LESA. Recognized environmental conditions (RECs) are defined by the American Society for Testing and Materials (ASTM) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM, 2000).[1]

3.0 SCOPE OF ASSESSMENT

BSK scope of services for the follow-up reviews consisted of the following:

- Visited Site areas of particular environmental interest, including chemical storage areas, maintenance shops chemical storage areas, and areas with significant fuel storage, identified in the LESA for indications in changes in conditions since the LESA.

[1] The term "recognized environmental condition" includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Conducted a drive-by review of cropland areas for indications of substantial fuel leakage from above-ground fuel storage tanks (AGTs) and for agricultural chemical storage areas.

- Interviewed property owner representatives associated with Site areas of particular environmental interest for information regarding possible changes in activities subsequent to the LESA.

- Reviewed selected regulatory agency databases available on the internet for possible additional listings involving the Phase 3 and 4 and adjacent properties subsequent to the LESA.

- Prepared this report addendum.

While the follow-up reviews were generally conducted in accordance with the field reconnaissance element of ASTM Standard referenced herein, they did not necessarily strictly adhere to all aspects of the standard. The follow-up up visits were limited to Site areas of particular environmental interest specifically identified during the LESA. BSK's scope of services for the follow-up reviews did not include review information or conditions pertaining to properties beyond those immediately adjacent to the Site; acquisition of title documents; collection or analysis of soil, air, or building material, samples; nor evaluation of lead-based paint, or radon gas.

4.0 SITE LOCATION AND DESCRIPTION

The LESA identified several activities at the Phase 3 and Phase 4 Site areas which handle large quantities of fuels and/or chemicals, or include other activity which could pose a recognized environmental condition if not managed properly. The indicated information was provided by Westlands. Since the time of the LESA, many of the involved Site areas have been removed from the transaction, due owner desire to retain them, and are not included in this review. The Phase 3 and 4 Site areas removed, that would otherwise be included in our follow-up visits, are the farm operations yards of Seaholtz and Silveira in Phases 3 and 4, and O'Neill, Orff and Thomsen in Phase 4.

Table 1 includes a listing of involved Site areas, including the property owners, assessors parcel numbers, acreages and Phase designations. Included in the table area also parcels which are comprised of cropland only. The indicated information was provided by Westlands. The indicated parcel acreages are adjusted to account for those areas that the owner has elected to retain subsequent to the LESA. Figures 1 and 2 shows the location of the Phase 3 and Phase 4 parcels respectively, including those which are included in multiple Phases. The indicated limits of the parcels are approximate only.

5.0 SITE VISIT

Follow-up visits of the Site were performed by BSK Senior Environmental Engineer, C. Scott Smith, PE, between August 4 and August 11, 2003. Summarized below are our general observations at the Site cropland areas, at property-specific specific facilities of particular environmental interest identified in conjunction with LESA, and during a drive-by review of the adjacent properties. More detailed descriptions of Site features are included in the LESA.

Interviews were conducted with owner representatives at the time of the visits and are incorporated into our discussions in Sections 5.2 and 5.3.

5.1 Cropland Areas

Based on BSK's drive-by review of the Phase 3 and 4 cropland areas from public roads and farm roads:

- No additional water well sites have been constructed and no chemical storage areas were observed
- No agricultural chemical storage areas were observed.
- No significant spillage of fuels from AGTs was observed.

5.2 Phase 3

Wolfsen (SW ¼ Section 3, T15S/R14E)

Mr. Albert Laguna accompanied BSK during the visit. Features of particular interest identified during the LESA include a large chemical storage building, liquid fertilizer tanks, and a cotton gin, all of which remain in use.

Agricultural chemicals are stored in an enclosed, secured building with concrete flooring in the south-central portion of the facility (Figure 3A, No. 1). No appreciable chemical spillage, corroded flooring, or discoloration of open ground adjoining the buildings were observed.

The cotton gin includes a compress constructed below ground within an enclosed concrete vault. No hydraulic oils for the compress are stored below grade.

Exterior areas include numerous portable and stationary fertilizer and nutrient tanks. Drainage from the exterior areas is toward a drainage channel which flows to the south and then to the east along the southern boundary of the area. The surface soils of the channel are discolored from fertilizers and/or nutrients. The condition would not be considered a recognized environmental condition.

Of the single family residences present in the vicinity of the facility on property owned by Wolfsen present at the time of the LESA, none were observed to have since been removed or demolished.

Wolfsen (SW¼ and NW¼ Section 4 T15S/R14E)

Mr. Albert Laguna, Facilities Manager, accompanied BSK during the visit of the farming operation yard. Features of particular interest identified during the LESA include numerous AGTs, a drum storage area, a waste oil AGT, outdoor equipment and farm vehicle storage areas, and a crop-duster landing strip, all of which remain in use.

The areas of the fuel AGTs are absent of indications of spillage, beyond minor drippings from fuel spouts and other connections. Areas with multiple AGTs are within a containment with concrete flooring and perimeter berm. The waste oil AGT is in the northwest portion of the yard and is also within a concrete containment. (Figure 3A, No. 2).

A north-south oriented crop-duster landing is located along the eastern boundary of the yard. The strip is maintained by others in conjunction with serving the Wolfsen operation. The bin present at the time of the LESA, used for temporary storage of discarded small chemical containers and bags of dry sulfur, is no longer present. Portions of the turn-around area are paved. Exposed soils in unpaved areas adjoining the turn-around on the west are chemically discolored from landing-strip operations (Figure 3A, No. 3). The discoloration is reportedly largely associated with the mixing of liquid fertilizers at the turn-around. No odors typically associate with pesticides were sensed during the visit.

Peck (SE¼,S1,T16S/R14E)

Mr. Kelly Peck, Farm Manager, accompanied BSK during the visit of the farming operations yard. Features of particular interest identified during the LESA include a chemical storage building, AGTs, vehicle and equipment maintenance shops, a drum storage area, and a steam cleaning area, all of which remain in use.

The areas of the AGTs are absent of indications of spillage, beyond minor drippings from fuel spouts and other connections (Figure 3B, No. 1). An area in the northwest portion of the yard is designated for temporary storage of empty lubricating oil drums (Figure 3B, No. 2). No appreciable soils discoloration was observed in the area.

Two tanks, which are reported to have been previously used as underground fuel storage tanks (USTs) at the yard, are present in the drum storage area. As reported in the LESA, their removal was not overseen by a regulatory agency. Mr. Peck had also indicated that minor soils discoloration was observed in the area of the inlet piping at the time of UST removal.

Agricultural chemicals are stored in an enclosed, secured building with concrete flooring in the east-central portion of the yard (Figure 3B, No. 3). No appreciable chemical spillage, corroded flooring, or discoloration of open ground adjoining the building was observed.

The steam cleaning system adjoins the tire shop to the west. Spent washwater is discharged to a small unlined sump. No appreciable oil accumulation was observed on the water surface or on the exposed side walls of the sump.

Of the single family residences present in the vicinity of the yard on property owned by Peck present at the time of the LESA, none were observed to have since been removed.

Peck (NW¼, Section 5, T16S/R15E)
The series of six large, connected subsurface drainage basins remain out of service. Visible salt accumulation is present in some of the low points of the basins. The basins are subject to closure requirements of the California Regional Water Quality Control Board (Section 6.2)

5.3 Phase 4

Peck (SW¼, Section 12, T16S/R14E)
A north-south oriented crop-duster landing is located a few miles south west of the Peck farming operation yard and is surrounded by cropland (Figure 4, No. 1). The strip is maintained by others in conjunction with serving the Peck operations. Surface discoloration of the paving and exposed soils is present in some areas. To the west of the strip is a ditch where burning of small plastic chemical containers is evident.

Kreisant (Section 30,T14S/R15E)
Mr. Richard Guenther, a friend of the owner, accompanied BSK during the visit of the farming operations yard. Features of particular interest include AGTs, storage buildings, a drum storage area, and a steam cleaning area.

The AGTs are within a containment with concrete flooring and perimeter berm. No fuel leakage, beyond minor drippings from fuel spouts and other connections, was observed (Figure 4, No. 2).

Farm equipment, vehicles, various farm implements, small plastic herbicide containers, and tools are stored in three onsite buildings. Adjoining the northern-most shop on the east is an area for storage of empty lubricating oil drums. No appreciable spillage of oils was observed in the area.

A stream cleaning pad is present in the northwestern portion of the yard. Drainage from the area is toward a concrete sump which is reportedly periodically emptied by a local vendor.

5.4 Adjacent Properties

The adjacent properties were reviewed from the Site public and farm roads adjoining the Site. The preponderance of the adjacent properties are farmland. Farming operation yards and diesel-powered well sites are also present in some areas. No appreciable changes in adjacent property usage, compared to those observed during the LESA, or indications of conditions which appear to have the potential to environmentally impair the Site were observed.

6.0 REGULATORY REVIEW

BSK's regulatory review included a review of selected agency regulatory data bases available on the internet, to assess possible changes in listings subsequent to the LESA, and inquires with selected agency representatives.

6.1 Agency Lists

BSK reviewed the following USEPA, and State of California data bases available on the internet and a data base made available by the Fresno County Community Health Department to assess possible additions involving for the Site and adjacent properties subsequent to the LESA.

- United States Environmental Protection Agency (USEPA)
  Database: *FINDS*
  (facilities regulated under a variety of EPA programs)
  (Source: http://d1.rtknet.org/fin/)

- Department of Toxic Substances Control:
  Database: *Site Mitigation and Brownfield's Reuse Program*
  (hazardous waste properties of the previous CalSites program)
  (Source: http://www.dtsc.ca.gov/database/CalSites/calf001.cfm)

- State Water Resources Control Board
  Database: *Geotracker*
  (leaking underground fuel storage tanks)
  (Source: http://geotracker.swrcb.ca.gov/)

- Fresno County Community Health Department (FCCHD)
  Database: *Consolidated Uniform Permitting Agency* (CUPA)
  (CUPA agencies are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that require Hazardous Materials Business Plans, accidental Release Plans, operate USTs, and generate hazardous waste).

The Phase 3 and 4 properties, and the adjacent properties, are not currently listed on these databases.

6.2 Regulatory Agency Inquiries

Mr. Anthony Toto, Associate Water Resources Control Engineer with the California Regional Water Quality Control Board (CRWQCB) was contacted for information regarding the Peck evaporation basins (Section 5.3). Mr. Toto indicated that the basins remain subject to closure and that capping may be considered as a compliance measure.

In addition, at the request of Westlands, BSK inquired as to the status of the former discharge basin (solar evaporator) of Wolfsen, Section 19, T14S/R15E addressed in LESA as a Phase 2 property. The basin has been capped to address CRWQCB requirements. The CRWQCB has prepared a rescinding notice for the waste discharge requirements, and a monitoring and reporting program requiring inspection and maintenance of the cap for Board consideration in the October public hearing.

7.0 SUMMARY AND RECOMMENDATIONS

Sections 7.1 and 7.2 summarize our findings and recommendations for the Phase 3 and Phase 4 reviews, respectively. Section 7.3 summarizes our findings of the drive-by review of the adjacent properties. Section 7.4 includes general statements addressing the various properties involved.

7.1 Phase 3

Peck

A UST was reportedly removed from the Section 1 yard in the early 1990s. It has not been established if there were fuel releases requiring possible remediation. Subsurface assessment would be necessary to evaluate the potential for impacts to soils and groundwater associated with possible previous fuel releases.

Closure is required for the Section 5 subsurface drainage basins. It is conceivable that the CRWQCB may allow capping as a method of closure. Given the size of the basins, a closure means which satisfies the CRWQCB requirements would be a major undertaking.

Wolfsen

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

7.2 Phase 4

Peck

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

7.3 Adjacent Properties

No appreciable changes in adjacent property usage, compared to those observed during the LESA, or indications of conditions which appear to have the potential to environmentally impair the Site were observed.

7.4 All Properties

Agricultural properties are subject to the use of a variety of agricultural chemicals, including pesticides, herbicides, insecticides, fungicides, etc. Problematic concentrations of such chemicals in

soil or water, those which would constitute recognized environmental conditions if evidenced, are most-commonly associated with agricultural chemical storage areas, formulation areas, equipment/container wash-down areas, or irrigation tail water conveyance and storage facilities. No such activities were identified as being currently or historically associated with the Site properties. However, general application of such chemicals may also result in environmental impairment under certain circumstances. While BSK found no evidence of recognized environmental conditions, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.

Oil-lubricated irrigation supply wells, such as those onsite, can potentially be a source of impact to groundwater, through loss of oil from the lubrication system or turbines. The regulatory agencies have not requested investigation of such potential releases in the absence of suspected impacts to municipal water supplies. Further assessment would be required to evaluate whether such releases have occurred and if so, the conditions warrant further action.

Several of the Phase 3 and 4 Site areas include farm labor residences, and/or office buildings and similar improvements. Such structures were not reviewed for the presence and condition of wall board, linoleum, and other potential asbestos containing materials (ACBMs). Due to the age of the Site structures, ACBM's and lead-based paints could be present. If demolition or renovations are to occur, testing for ACBMs by a Certified Asbestos Consultant and for lead-based paint would be required.

8.0 LIMITATIONS

This report has been prepared for the exclusive use of Westlands Water District in conjunction with the subject settlement agreement. It is strictly prohibited for others to use or rely on the information contained in this report unless given express written consent of BSK Associates.

The findings and conclusions presented in this report are based on field reviews, and data obtained from the sources listed in the report. No other warranty, either express or implied, is made as to the findings or conclusions contained herein.

Industry associations and trade groups have published differing, and sometimes conflicting, guidelines for the preparation of site assessments. In many instances these guidelines provide a level of investigation which differs from current practice and the scope of services presented above. This report has been prepared in accordance with BSK's scope of services in general recognition of, as opposed to specific adherence to, the ASTM standard referenced herein.

The purpose of the assessment was to provide a preliminary evaluation for the possible presence of recognized environmental conditions at the Subject Site. This report provides neither certification nor guarantee that the properties are free of hazardous substance contamination nor individually in compliance with current regulations.

9.0 REFERENCES

ASTM, 2000, American Society for Testing and Materials, Standards *on Environmental Site Assessments for Commercial Real Estate*, E-1527, second edition.

BSK, 2003. BSK Associates, *Limited Phase I Environmental Site Assessment Report 31,500 Acres of Farmland within the Westlands Water District, Fresno County, California, August 19, 2003.*

TABLES

TABLE 1 - PHASE 3 & 4 PROPERTY DESCRIPTIONS

Family	APN	Geographic Coords	PHASE 3.0	PHASE 4.0	Total
A.E. Allen	011 130 12S	NE1/4,S24,T13,R13	***49.4***	***49.4***	***98.8***
A.D. Allen	012 110 16S	NE1/4,S19,T13,R14	103.4		103.4
	012 110 25S	NE1/4,SW1/4,S19,T13,R14	13.2	25.5	38.7
	012 110 24S	E1/2 & SW1/4 , SW1/4,S19,T13,R14	40.4	78.3	118.7
	012 110 22S	SE1/4,S19,T13,R14	53.5	106.5	160.0
			210.4	***210.3***	***420.7***
Guenther	038 320 01S	S2,T16,R14, lots 31&32		39.3	39.3
	028 101 53	W1/2, SE1/4 , NW1/4,S35,T15S,R14	20.0		20.0
	038 320 30S	S2,T16,R14, lot 2		20.0	20.0
	038 320 24S	S2,T16,R14, lot 16	20.0		20.0
	038 320 26S	S1/1, SW1/4, SE1/4, S2, T16/R14		20.0	20.0
	038 320 27S	S2,T16,R14, lot 3	20.0		20.0
	038 320 29S	S2,T16,R14, lot 19		20.0	20.0
	038 320 28S	S2,T16,R14, lot 14		20.0	20.0
	038 320 25S	S2,T16,R14, lot 15	20.0		20.0
	038 320 06S	NE1/4, NW1/4, S2, T15,R14		38.2	38.2
	038 320 12S	S1/2, NE1/4, SE1/4,S2, T15,R14		20.0	20.0
	038 320 30S	S1/2, NE1/4, NE1/4,S2, T15,R14		20.0	20.0
	028 101 51S	SW1/4,S35,T15,R14	160.0		160.0
			240.0	***197.5***	***437.5***
Etcheberry	028 101 15S	S26,T15,R14, lot 6			0.0
	028 101 62S	S26,T15,R14, lots 1,4,7,8,11-16	146.3	146.3	292.5
			146.3	***146.3***	***292.5***
Jones	012 110 08S	S20,T13,R14		316.4	316.4
	012 110 09S	S20,T13,R14		320.0	320.0
	012 150 07S	S22&27,T13,R14		109.5	109.5
	012 150 09	S27,T13,R14	155.6		155.6
	012 120 15S	S21,T13,R14	476.0		476.0
	012 190 25S	W1/2,S36,T13,R14	306.8		306.8
	012 180 17S	S34,T13,R14	150.8		150.8
	012 190 26S	E1/2,S35,T13,R14		308.86	308.9
			1,089.2	***1,054.8***	***2,144.0***
Kriesant	019 180 01S	S30,T14,R15	320.0	314.8	634.8
	019 180 32S	N1/2,S31,T14,R15	156.7		156.7
	028 101 50S	SE1/4,S35,T15,R14		160.0	160.0
	038 320 31S	S2,T16,R14, lot 5		20.0	20.0
	028 101 17S	S26,T15,R14, SW1/4 and N1/2 , lot 5		15.0	15.0
			476.7	***509.8***	***986.5***
Peck	038 071 27S	SW1/4,S12,T16,R14		120.0	120.0
	038 071 26	SE1/4,S12,T16,R14		40.0	40.0
	038 071 22S	SE1/4,S12,T16,R14		37.9	37.9
	038 071 21	SE1/4,S12,T16,R14		37.9	37.9
	038 150 65S	SW1/4,S17,T16,R15		160.0	160.0
	038 150 68S	SW1/4,S18,T16,R15		86.0	86.0
	038 080 03S	NE1/4,S6,T16,R15	160.0		160.0
	038 080 38S	SE1/4,S6,T16,R15	160.0		160.0

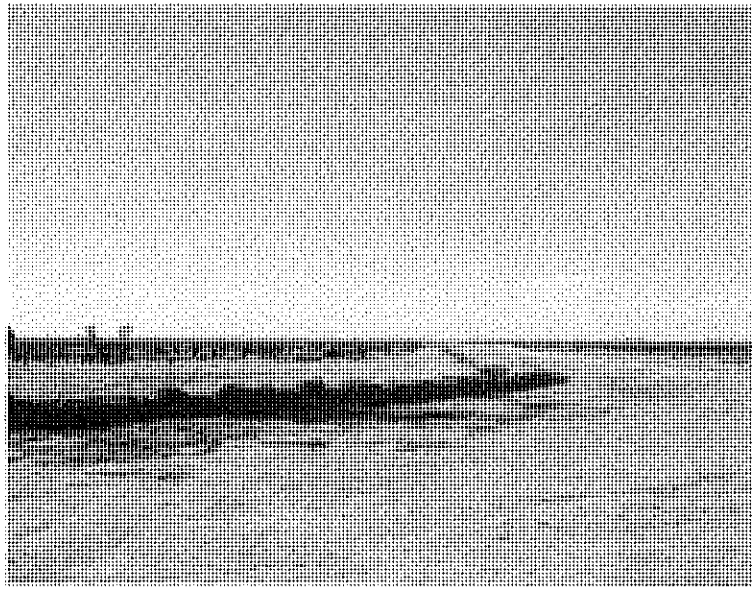
Peck	038 080 22S	SW1/4,S8,T16,R15	78.8		78.8
	038 320 34S	SE1/4,S1,T16,R14	14.0		14.0
	038 320 33S	SE1/4,S1,T16,R14	102.5		102.5
	038 080 04S	NW1/4,S5,T16,R15	160.3		160.3
	038 080 32S	SW1/4,S7,T16,R15		83.7	83.7
	038 080 33S	SW1/4,S7,T16,R15		83.7	83.7
	038 080 25S	SE1/4,S7,T16,R15		158.2	158.2
	038 080 23S	NW1/4,S8,T16,R15	160.0		160.0
	038 080 21S	SW1/4,S8,T16,R15		78.8	78.8
	038 071 25	SE1/4,S12,T16,R14	40.0		40.0
	038 080 16S	NE1/4,S8,T16,R15	80.0		80.0
	038 080 17S	NE1/4,S8,T16,R15	80.0		80.0
	038 071 28	SW1/4,S12,T16,R14	39.4		39.4
	038 141 35S	NW1/4,S13,T16,R14		37.1	37.1
	038 141 48S	NE1/4,S13,T16,R14		122.3	122.3
	038 080 35S	NW1/4,S6,T16,R15	165.0		165.0
	038 080 05S	SW1/4,S5,T16,R15	160.0		160.0
	038 080 18S	SE1/4,S8,T16,R15	157.6		157.6
	038 080 14S	SW1/4,S9,T16,R15		119.1	119.1
	038 080 13S	SW1/4,S9,T16,R15		19.1	19.1
	038 080 12S	SW1/4,S9,T16,R15		20.0	20.0
	038 150 64S	NW1/4,S17,T16,R15		158.2	158.2
			1,557.6	***1,361.9***	***2,919.5***
Seasholtz	019 050 61S	E1/2,S10,T14,R14	321.0		321.0
	011 160 15S	Portion N1/2,E1/4,S25,T13,R13		60.0	60.0
	011 160 16S	S1/2,NE1/4,S25,T13,R13		80.0	80.0
	011 160 17S	N1/2,NE1/4,S25,T13,R13		66.2	66.2
	019 040 04S	SW1/4,S4,T14,R14	156.2		156.2
	019 040 05S	SE1/4,S4,T14,R14	161.1		161.1
			638.3	**206.2**	***844.5***
D.Silveira	019 050 56S	N1/2&SW1/4,S11,T14,R14		469.7	469.7
	019 050 55S	SE1/4,S11,T14,R14		160.1	160.1
	019 050 48S	N1/2 , W1/2 , SW1/4,S12,T14,R14	36.8		36.8
	019 110 13S	S1/2&NE1/4,S13,T14,R14	472.7		472.7
	019 110 06S	NW1/4,S13,T14,R14	156.4		156.4
	019 110 03S	S1/2,S14,T14,R14		314.6	314.6
	019 110 04S	NW1/4,S14,T14,R14		156.38	156.4
	019 110 05S	NE1/4,S14,T14,R14	156.4		156.4
	019 120 04S	S1/2 , SW1/4,S18,T14,R15		156.4	156.4
	019 050 19S	W1/2 , SE1/4,S12,T14,R14	79.1		79.1
	019 050 59S	E1/2 , SE1/4,S12,T14,R14	77.4		77.4
			978.8	***1,257.2***	***2,236.0***
R Silveira	012 150 11S	S1/2,S28,T13,R14	***106.6***	***106.6***	***213.2***
M.Silveira	019 120 21S	SE1/4,S17,T14,R15	155.2		155.2
	019 120 23S	S1/2 , SW1/4,S17,T14,R15		74.8	74.8
			155.2	***74.8***	***230.0***
Thomsen	050 070 40S	NW1/4,S15,T17,R16		151.5	151.5
	050 070 41S	W1/2 , NE1/4,S15,T17,R16		80.0	80.0
	050 060 48S	SW1/4,S16,T17,R16	105.1		105.1
	050 060 47S	SW1/4,S16,T17,R16	52.5		52.5
	050 060 46S	NW1/4,S16,T17,R16	52.5		52.5
			210.1	***231.5***	***441.6***

Wolfsen	019 110 10	S22,T14,R14		632.8	632.8
	019 110 09	S23,T14,R14	316.4	158.2	474.6
	019 170 03	S25,T14,R14	158.2		158.2
	019 170 02	S26,T14,R14	159.2		159.2
	019 170 16	S27,T14,R14	318.2	159.1	477.3
	019 160 34S,35S	S28,T14,R14	377.5	236.4	613.9
	019 160 13S	SE4,S29,T14,R14		158.2	158.2
	019 210 52S,48,49,50,4	S34,T14,R14	464.4	618.2	1,082.6
	019 170 12	S35,T14,R14	316.4		316.4
	028 140 38S,05,21,39S	S2,T15,R14	155.3	466.0	621.3
	028 130 12S,46S,47S	S3,T15,R14	315.1	630.7	945.8
	028 130 45S,02,43S,15	S4,T15,R14	155.6	466.7	622.3
	028 150 01S	S9,T15,R14	315.5	309.5	625.0
	028 150 31	N1/2, NE1/4, NE/14, T15,R14	20.0		20.0
	028 150 46S,08S,09S,4	Por,S10,T15,R14	150.6	174.8	325.5
	028 150 47S	N1/2, NW1/4,SW1/4, SW1/4, S10,T15,R14	4.8		4.8
	028 160 14S	SW4,S11,T15,R14	158.2		158.2
			3,385.3	***4,010.6***	***7,395.8***
O'Neill	060 050 41S	N1/2,S3,T18S,R17E		307.4	307.4
	060 050 40S	S1/2,S3,T18S,R17E		299.2	299.2
	060 042 12S	NW¼,S11,T18s,R17		6.0	6.0
	060 042 13S	NE1/4,S4,T18S,R17E	160.8		160.8
	060 042 15S	SW1/4,S4,T18S,R17E		160.0	160.0
	060 042 21S	SE1/4,S4,T18S,R17E		160.0	160.0
	060 042 22S	S1/2 , NE1/4,S9,T18S,R17E	80.0		80.0
	060 042 16S	NW1/4,S9,T18S,R17E	160.0		160.0
	060 042 17S	SW1/4,S9,T18S,R17E	160.0		160.0
	060 042 18S	SE1/4,S9,T18S,R17E	160.0		160.0
	060 042 04S	N1/2,S8,T18S,R17E		309.0	309.0
	060 042 24S	NW¼, NW¼S8, T18,R17		7.1	7.1
	060 042 03S	S1/2,S8,T18s,R17E		280.5	280.5
	060 041 03	N1/2,S7,T18s,R17E	384.0		384.0
	060 041 02	NE1/4, NE1/4, NE1/4, SW1/4,S7, T18, R17	0.6		0.6
	060 030 19S	SE1/4,S2,T18S,R16E	157.6		157.6
	060 030 29S	SE1/4,S11,T18,R16	157.6		157.6
			1,420.5	***1,529.2***	***2,949.8***
Orff	028 110 79S	N1/2,S31,T15,R15		306.8	306.8
	028 110 74S	N1/2,SE1/4,S31,T15,R15		80.0	80.0
	028 110 07S	SW1/4,S29,T15,R15	160.0		160.0
	028 110 05	S1/2,SE1/4,NE1/4,S30,T15,R15	20.0		20.0
	028 110 33	N1/2,N1/2,NW1/4.NW1/4,S32,T15,R15	10.0		10.0
	028 110 31S	Por,W1/2,E1/2,NW1/4,S32,T15,R15	30.0		30.0
	028 110 32S	Por,E1/2,NW1/4,S32,T15,R15	22.5		22.5
	028 110 30S	Por,E1/2,NW1/4,S32,T15,R15	15.0		15.0
	028 110 34	S3/4,NW1/4.NW1/4,S32,T15,R15	30.0		30.0
	028 110 35	Por,SW1/4,NW1/4,S32,T15,R15	4.1		4.1
	028 110 36	W1/2,SW1/4,NW1/4,S32,T15,R15	20.0		20.0
	028 110 39S	Por,S1/2,SE1/4,S31,T15,R15	50.0		50.0
	028 110 55S	NW Cor,S31,T15,R15		1.1	1.1
	028 110 44	N1/2,SW1/4,SE1/4,S31,T15,R15		20.0	20.0
	028 110 45	SW1/4,SW1/4,SE1/4,S31,T15,R15	10.0		10.0
			371.6	***407.9***	***779.5***
Walton	019 050 50S	S12,T14,R14	***237.3***		***237.3***
			11,273.3	**11,354.0**	**22,627.2**

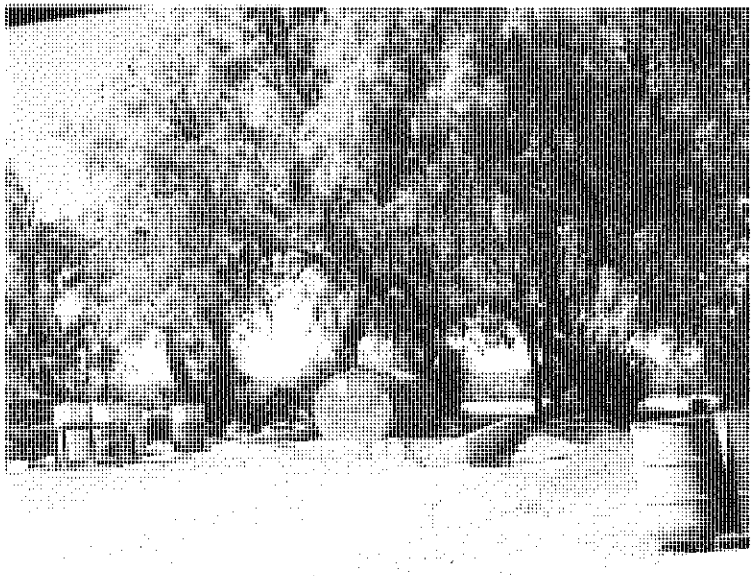
FIGURES

FIGURE 3A
BSK E0313201F
AUGUST 2004

NO. 1 **WOLFSEN,** SW ¼ Section 3, T15S/R14E - Chemical Storage Bldg.; Looking north from south entrance.



NO. 3 **WOLFSEN,** Section 4, T15S/R14E – Turn-around area of landing strip, Looking south



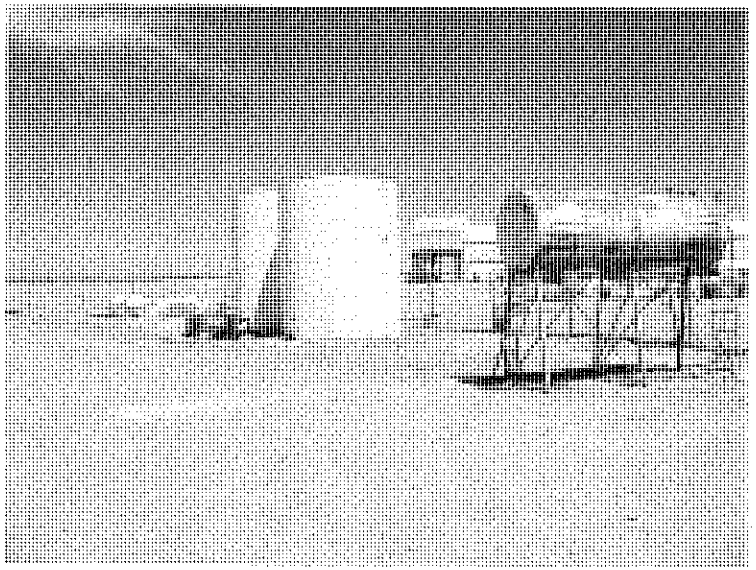
NO. 2 **WOLFSEN,** Section 4, T15S/R14E- Waste Oil Tank and Drum Storage Area in northwest portion of yard; Looking North

PHASE 3 SITE PROPERTY PHOTOGRAPHS

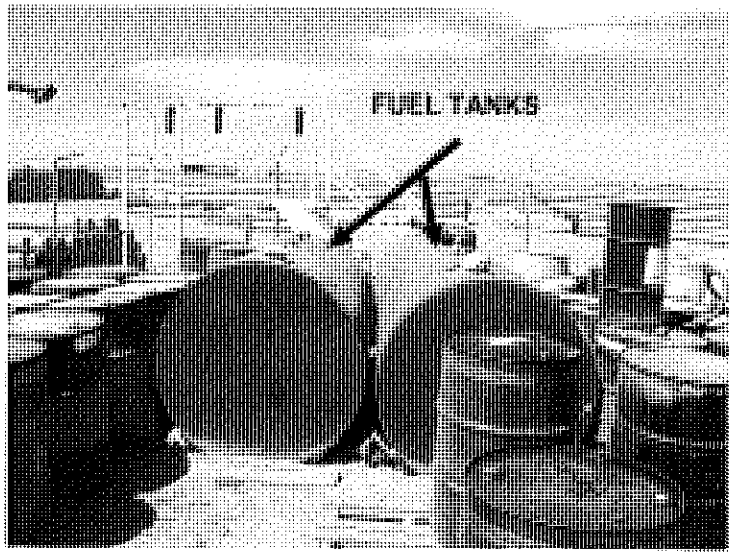
ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK

FIGURE 3B
BSK E0313201F
AUGUST 2004



NO. 1 **PECK,** SE1/4,S1,T16S/R14E - AGTS in southeast portion of yard; Looking northeast



NO. 2 **PECK,** SE1/4,S1,T16S/R14E - Drum storage area AGTs in northeast portion of yard; Looking north

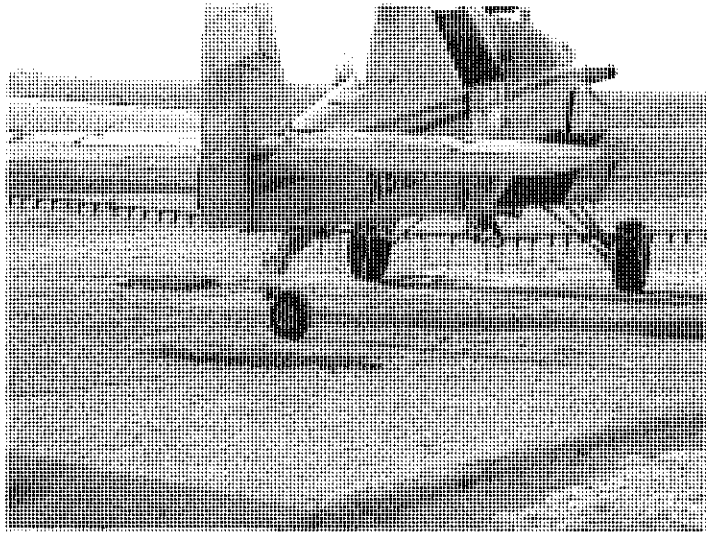
NO. 3 **PECK,** SE1/4,S1,T16S/R14E - Chemical storage building in west-central portion of yard

PHASE 3 SITE PROPERTY PHOTOGRAPHS

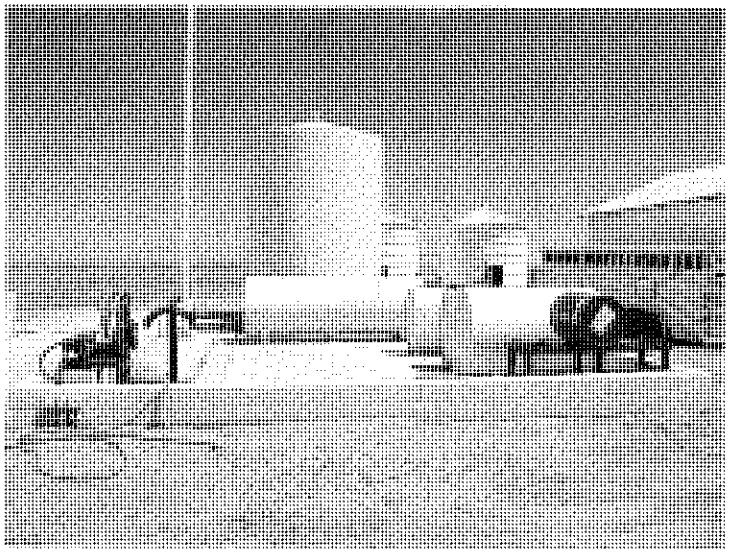
ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK

FIGURE 4
BSK E0313201F
AUGUST 2004



NO. 1 **PECK,** SW¼, Section 12, T16S/R14E - Turn-around area of landing strip; looking southeast.



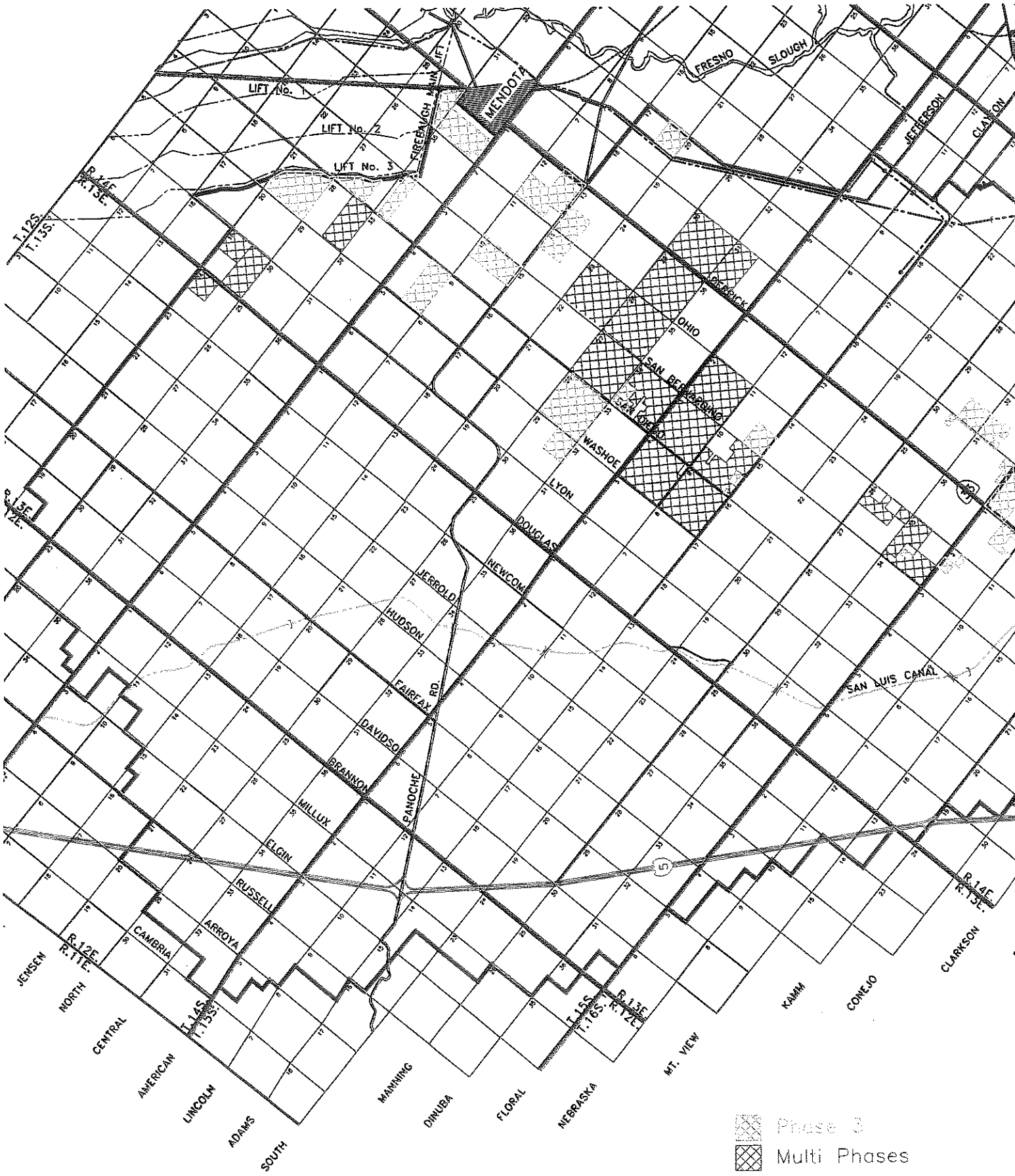
NO. 2 **KRIESANT,** Section 30, T14S/R15E - AGTs in northern portion of yard.

NO. 3 **KRIESANT,** Section 30, T14S/R15E - Drum storage area on east side of northern most storage building.

PHASE 4 SITE PROPERTY PHOTOGRAPHS

REPORT OF FOLLOW-UP SITE VIRONMENTAL REVIEW
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK


LIFT No. 1
LIFT No. 2
LIFT No. 3
MENDOTA
FRESNO SLOUGH
JEFFERSON
CLAYTON
OHIO
SAN BERNARDINO
SAN DIEGO
WASHOE
LYON
DOUGLAS
NEWCOMB
JERROLD
HUDSON
FAIRFAX RD.
DAVIDSON
BRANKON
PANOCHE
MILLUX
ELGIN
RUSSELL
ARROYA
CAMBRIA
SAN LUIS CANAL
JENSEN
NORTH
CENTRAL
AMERICAN
LINCOLN
ADAMS
SOUTH
MANNING
DINUBA
FLORAL
NEBRASKA
MT. VIEW
KAMM
CONEJO
CLARKSON
T.12S.
T.13S.
T.14S.
T.15S.
T.16S.
R.11E.
R.12E.
R.13E.
R.14E.
R.15E.
Phase 3
Multi Phases

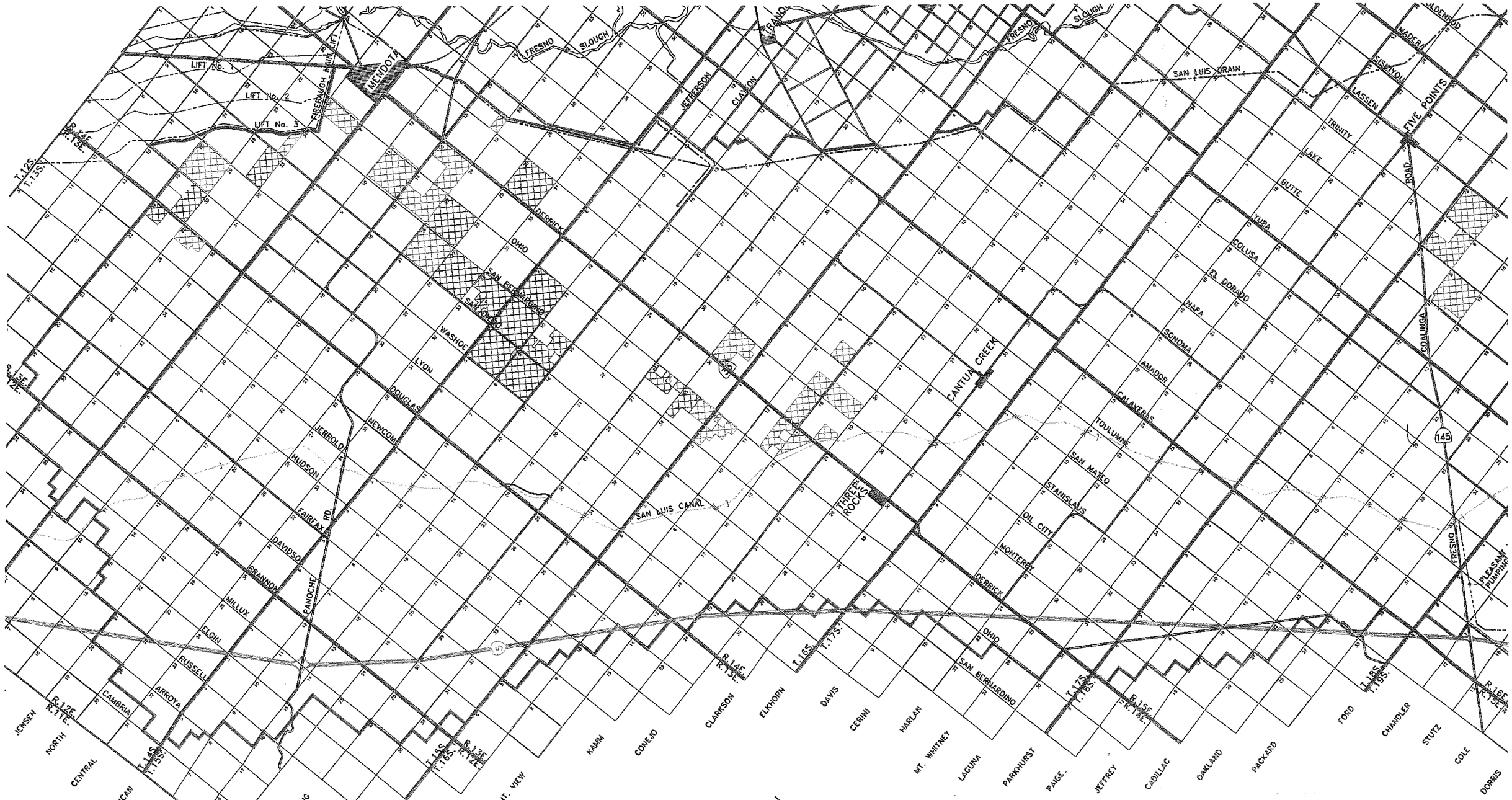


FIGURE 2 - PHASE 4 PROPERTY LOCATIONS

Appendix I2

Phase I Environmental Site Assessment for Little Bear 3 and 4 (October 2015)

Imagine the result

First Solar Development, LLC

Phase I Environmental Site Assessment

Little Bear 3 and 4 Solar Project
Fresno County, California

October 26, 2015

Phase I Environmental Site Assessment

Little Bear 3 and 4 Solar Project

Fresno County, California

Prepared for:

First Solar Development, LLC

Prepared by:

ARCADIS U.S., Inc.
630 Plaza Drive
Suite 100
Highlands Ranch
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Tel 720.344.3500
Fax 720.344.3535

Our Ref.:

CO002047.0003

Date:

October 26, 2015

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ARCADIS

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Executive Summary

ARCADIS U.S., Inc. (ARCADIS) was retained by First Solar Development, LLC (Client) to conduct a Phase I Environmental Site Assessment (ESA) for the proposed Little Bear 3 and 4 Solar Project located in unincorporated Fresno County, California (Subject Property). The Subject Property, which First Solar has an option to purchase for solar energy generation, is approximately 320 acres of vacant, former agricultural land and is comprised of two parcels where solar panels and other associated infrastructure would be constructed. There is no physical address associated with the Subject Property. A vicinity map is depicted in **Figure 1**. The Subject Property is defined as the areas described above and as depicted in **Figure 2**.

This Phase I ESA was conducted in accordance with the ASTM International *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process ASTM 1527-13* (ASTM Practice E 1527-13, 2013*).* The goal of the Phase I ESA was to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and historical recognized environmental conditions (HRECs) associated with the property in conformance with ASTM E 1527-13.

Summary of Phase I ESA Findings

Summary Information – Non RECs

- The Subject Property includes approximately 320 acres of former agricultural land that will be the site of the proposed Little Bear 3 and 4 Solar Project. The Subject Property continues to be periodically used for row crop farming and sheep grazing. Two parcels have been contracted with an option to purchase where solar panels and other associated infrastructure are planned to be located.
- Based on the historical research and interviews completed for this Phase I ESA, the Subject Property has historically been agricultural land. Older persistent pesticides may have been applied to the Subject Property in the past. However, ARCADIS does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition.
- The limited existing infrastructure on the Subject Property includes a possible water main running along the west side of Little Bear 3 and abandoned irrigation features throughout the Subject Property. In addition, ARCADIS observed an abandoned

irrigation pump station on the west side of Little Bear 3. A 12-inch irrigation well was observed in a concrete pad that extends to groundwater. The well is covered by a light slab of concrete and is readily accessible. If the well is no longer needed, it should be capped and closed. In addition, if future development activities involve removing former irrigation and drainage piping, the pipes should be inspected for Transite™ asbestos prior to removal. If the pipes contain Transite™ asbestos, they will require special handling and disposal as hazardous waste.

REC, HREC and CREC Findings

ARCADIS performed a Phase I ESA of the Subject Property in conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deviations from this practice are described in Section 1 of this Report. This assessment has revealed no evidence of RECs, HRECs or CRECs at the Subject Property, as defined under ASTM Practice E 1527-13.

***De Minimis* Conditions**

No *de minimis* conditions were identified for the Subject Property, with the following exceptions:

- The inactive irrigation well should be properly closed and capped as it provides a conduit to the subsurface and is a potential safety hazard.
- A raptor nest was observed in a power pole onsite.

Conclusions

Based on a review of the information obtained from interviews of the property owner representatives, landowner, and other people knowledgeable of the Subject Property, historical topographical maps and aerial photographs, environmental regulatory and other databases, and a site reconnaissance, no RECs, HRECs or CRECs were identified in association with the Subject Property. No further investigation is recommended at this time.

1. Introduction

ARCADIS U.S., Inc. (ARCADIS) was retained by First Solar Development, LLC (Client) to conduct a Phase I Environmental Site Assessment (ESA) for the proposed Little Bear 3 and 4 Solar Project located in unincorporated Fresno County, California (Subject Property). The Subject Property, which First Solar has an option to purchase for solar energy generation, is approximately 320 acres of vacant, former agricultural land and is comprised of two parcels where solar panels and other associated infrastructure would be constructed. There is no physical address associated with the Subject Property. A vicinity map is depicted in **Figure 1**. The Subject Property is defined as the areas described above and as depicted in **Figure 2.**

This Phase I ESA was conducted in general accordance with the ASTM International *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13* (ASTM Practice E 1527-13, 2013). Any exceptions to or deviations from this standard practice have been noted in the report. The Phase I ESA investigation included a detailed review of aerial photography, visual reconnaissance of the property, observation of adjacent properties, environmental regulatory agency records review, review of existing environmental reports (where applicable), and interviews with personnel knowledgeable about the property.

The assessment included the following components:

1) A drive-through reconnaissance of the Subject Property on unpaved access roads;
2) A walk-through reconnaissance of the Subject Property where possible;
3) Interviews with the Subject Property landowner representative;
4) A review of readily available historical site information, including topographic maps and aerial photographs;
5) A review of Federal and State environmental regulatory agency databases; and
6) Report preparation.

There are no buildings on the Subject Property. No sampling was conducted as part of the Phase I ESA to assess soil or groundwater impacts, suspected asbestos-containing materials, lead based paint, polychlorinated biphenyls (PCBs), or radon. Sampling is considered beyond the requirements of ASTM E 1527-13.

1.1 Purpose

The Client requested that ARCADIS conduct a Phase I ESA of the Subject Property as part of standard due diligence for a real estate transaction.

The purpose of this assessment was to identify Recognized Environmental Conditions (RECs) in connection with the Subject Property to the extent feasible pursuant to the processes prescribed in ASTM E 1527-13 and 40 CFR Part 312, "Standards and Practices for All Appropriate Inquires: Final Rule," which became effective on November 1, 2006.

The goal of the Phase I ESA was to identify RECs, controlled recognized environmental conditions (CRECs), and historical recognized environmental conditions (HRECs) associated with the property in conformance with ASTM E 1527-13.

A REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to 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. De minimis conditions are not RECs.

A CREC is defined 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), 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).

An HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting 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).

1.2 Detailed Scope of Services

ARCADIS' authorized scope of work specified that the Phase I ESA would be conducted in accordance with ASTM E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and included the following specific elements:

- Agency records review;
- Historical records review;
- Interviews with Subject Property user representatives and landowner;
- Subject Property site reconnaissance and observation of adjoining properties; and
- Report preparation.

The historical records review included a review of:

- Historical aerial photographs and topographic maps to evaluate historical uses of the Subject Property and surrounding properties; and
- Regulatory databases that could indicate current or historical environmental conditions.

The site reconnaissance included a visual assessment of the Subject Property with the objective of obtaining information indicating the presence of a REC by identifying existing and past releases or a material threat of releases of hazardous substances or petroleum products (or evidence of such) at the Subject Property. The site reconnaissance focused on, but was not limited to, the following items:

1. Indications of spills or releases;
2. Evidence of on-site disposal practices;
3. Observation of chemical, solid waste, and other environmental management practices;
4. Presence of, and current or past usage of, underground storage tanks (USTs) and aboveground storage tanks (ASTs);
5. Identification of adjacent land uses;
6. Identification of physiographic features;
7. Observation of water, wastewater, or waste treatment;
8. Evidence of standing surface water;
9. Observation of sources of drinking water;
10. Visual indications of equipment that may contain PCBs, if applicable; and
11. Evidence of potential sources of contamination or other environmental concerns.

1.3 Significant Assumptions

ARCADIS assumes that the information sources used for this assessment provided complete and accurate information. Evaluations presented in this Phase I ESA Report are based exclusively on information provided by the Client; available public records; interviews with landowners and persons familiar with the Subject Property or adjacent properties; and observations made during the site reconnaissance. ARCADIS assumes that the information provided by the Client, the regulatory database provider, and the regulatory agencies is correct, true, and reliable. No invasive field activities were conducted and no laboratory analyses were performed during this phase of the investigation.

The Client provided the boundaries of the Subject Property for this assessment and ARCADIS accepted these as true representations of the Subject Property boundaries.

1.4 Limitations and Exceptions

The opinions and recommendations presented in this Report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this Report was originally prepared. This Report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information.

This Report is expressly for the sole and exclusive use of the parties for which this Report was originally prepared for its specified purpose. Only the parties for which this Report was originally prepared and/or other specifically named parties, may make use of and rely upon the information in this Report, in its entirety, for a period not to exceed 180 days in accordance with ASTM's “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” ASTM Designation E 1527-13 dated November 1, 2013, and/or 40 CFR Part 312 “Standards and Practices for All Appropriate Inquiries: Final Rule” which became effective November 1, 2006. After 180 days, and prior to using the information contained herein, the Report should be updated in accordance with ASTM standards and federal regulations. Reuse of this Report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties without proper authorization, shall be at the user’s sole risk.

The findings presented in this Report apply solely to site conditions existing at the time when ARCADIS' assessment was performed (October 9, 2015). It must be recognized, however, that a Phase I ESA is conducted for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the Site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in Phase I ESA conclusions cannot reasonably be achieved.

It is understood that the services performed and any professional judgments expressed by ARCADIS in the report are based upon the limits of the investigation as described above. It is understood that ARCADIS has relied upon the accuracy of documents, oral information, and other material and information provided by Client and others, and ARCADIS assumes no liability for the accuracy of such data. Similarly, past and present activities on the Site indicating the potential for the existence of environmental concerns may not be discovered by ARCADIS' inquiries. ARCADIS can offer no assurances and assumes no responsibility for Site conditions or Site activities that are outside the scope of the services as described above, or for changes to Site conditions or regulatory requirements which may apply after completion of the services by ARCADIS. It is understood that such changes can lead to liability in connection with the Site which will not be identified in this Report. ARCADIS reviewed the information obtained in connection with the performance of the services as described above, in keeping with existing applicable environmental consulting standards and enforcement practices, but cannot predict what actions any given agency may take or what standards and practices may apply in the future.

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

1.5 Special Terms and Conditions

The scope of work for this Phase I ESA was presented in ARCADIS' *Proposal to Complete a Phase I Environmental Site Assessment for Little Bear 3 & 4 Solar Project Located in Fresno County, California* dated August 31, 2015.

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of PCBs or the assessment of natural hazards such as naturally occurring asbestos, radon gas, or methane gas, assessment of the potential presence of

radionuclides, or assessment of non-chemical hazards such as the potential for damage from earthquakes or floods. This Phase I ESA also did not include an assessment of the environmental compliance status of the Site or a health-based risk assessment.

1.6 User Reliance

This Report is expressly for the sole and exclusive use of First Solar Development, LLC and its parents and subsidiaries. Only the Permitted Users may rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with ASTM's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-13 dated November 1, 2013, and/or 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries: Final Rule" (which became effective November 1, 2006), provided that the Permitted Users may disclose this report to their counsel and consultants in connection with its review and evaluation of the Report. After 180 days, and prior to using the information contained herein, the report should be updated in accordance with ASTM standards and federal regulations. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties without proper authorization, shall be at the user's sole risk.

1.7 Qualifications

A summary of the ARCADIS personnel who worked on this project follows:

- Ms. Janet Holtz is a Principal Environmental Scientist and has over 20 years of experience in conducting ASTM-compliant Phase I ESAs. Her work experience includes evaluating potential environmental property impacts from historical onsite and offsite operations and current operations. Ms. Holtz also has extensive experience in evaluation a facility's regulatory compliance, permitting, and in conducting Phase II subsurface investigations.

2. Subject Property Description

2.1 Property Location

The Subject Property is not identified with a physical address. The Subject Property is one-mile in length and 0.5-mile in width. The Subject Property is located north of W. Jensen Avenue and south of W. Adams Avenue between San Bernardino Avenue to the west and S. Ohio Avenue to the east in unincorporated Fresno County, California. All adjacent roads are unpaved. The Site is located approximately 2.8 miles southwest of Mendota, California. The Subject Property is accessed from State Highway 33 located 1.0 mile east of the Subject Property. Refer to **Figure 1**, Site Location Map, for the location of the Site.

The Site is identified by the Fresno County Assessor's Office as Assessor Parcel Number 019-110-03st and is located in the south half of Section 14, Township 14S, and Range 14E.

2.2 Physical Site Characteristics

The Subject Property is rectangular in shape and is relatively flat. The Site terrain consists of tilled, unvegetated exposed surface soil. Photographs of the Subject Property are included in **Appendix A.**

2.3 Site Vicinity General Characteristics

The surrounding properties are comprised of a solar farm, agricultural land and vacant land **(Figure 2)**.

2.4 Current Use of the Subject Property

The Subject Property is currently unused. However, the Site owner reported that a local farmer periodically uses the site for row-crop farming and sheep grazing. The farmer stated that he plans to plant row crops in the near future.

2.5 Current Uses of the Adjoining Properties

The greater surrounding area is mainly comprised of agricultural land.

Properties adjacent to the Subject Property include the following:

- North: W. Adams Avenue followed by undeveloped former agricultural land (Little Bear 1 and 2). Beyond that is the First Solar - North Star solar farm located at 35200 W. California Avenue.

- East: S. Ohio Avenue followed by vacant land.

- South: W. Jensen Avenue followed by vacant land.

- West: San Bernardino Avenue followed by agricultural land (fruit trees).

Current activities at the adjacent properties do not appear to be of environmental concern to the Site based on visual observations.

3. User Provided Information

On behalf of the Users of this Report, Ms. Lien Dinh with First Solar Development, LLC, completed an ASTM-standard User Questionnaire. In addition, Mr. Russ Freeman, representative of the Subject Property owner, Westlands Water District, completed an ASTM-standard Owner Questionnaire. The contents of the answered questionnaires are incorporated below. See **Appendix B** for copies of the questionnaires.

3.1 Title Records

Title records specific to the property were not provided. However, it is our understanding that a document entitled Declaration of Restrictive Covenant (Non-irrigation Covenant) dated 2006 covers numerous parcels and acres of land that are owned by Westlands Water District and likely applies to the Subject Property. The document states that the Restrictive Covenant "shall run with the Subject Lands, shall prohibit irrigation of the Subject Lands, and shall be binding upon Owner." It is beyond the scope of a Phase I ESA to comment on a legal document; however, it does not appear to represent an environmental concern to the Subject Property.

3.2 Environmental Liens and Activity Use Limitations (AUL)

No agreements with any third parties or regulatory agencies with jurisdiction over the Subject Property and concerning environmental commitments were identified by the property owners nor were any discovered by ARCADIS during the Phase I ESA site reconnaissance visit, telephone interviews, or record review activities.

Ms. Dinh stated that she is not aware of any environmental liens, or any activity and land use limitations against the Subject Property that were filed with any official governing agency. Mr. Freeman stated that there are liens associated with the Site but on further questioning he stated that he was referring to easements for pipelines for both water distribution and drainage collection. He stated that there are also recordings of a general drainage easement and a non-irrigation covenant. The easements and covenants do not represent an environmental concern for the Subject Property. However, if any of the water pipelines contain Transite™ asbestos, caution needs to be exercised if they are removed or relocated. Any asbestos-containing pipelines removed from the Site will require special handling and disposal under manifest.

ARCADIS obtained an Environmental Lien and AUL Search report for the Subject Property from EDR. According to the document, there are no environmental liens or AULs recorded for the Subject Property. See **Appendix B** for a copy of the Lien Report.

3.3 Specialized Knowledge

Ms. Dinh stated she did not have any specialized knowledge of any material information, consent orders or other environmental enforcement actions against the Subject Property, or any specialized knowledge or experience related to the site or nearby properties.

Ms. Dinh and Mr. Freeman stated that they were not aware of any spills or chemical releases that have taken place at the Subject Property. Mr. Freeman stated that agriculturally-related pesticides, herbicides and fertilizers were used onsite historically. Mr. Freeman provided a Phase I ESA report and Addendum Report prepared in 2003 and 2004, respectively, which constitutes his specialized knowledge of the Subject Property. The prior reports were prepared for a much larger tract of land that includes the Subject Property. The prior reports are discussed in Section 5 below.

3.4 Commonly Known or Reasonably Ascertainable Information

Ms. Dinh and Mr. Freeman stated that they were not aware of any commonly known or reasonably ascertainable information that would help the Environmental Professional identify conditions indicative of a release or threatened release.

3.5 Valuation Reduction for Environmental Issues

Ms. Dinh and Mr. Freeman stated there is no valuation reduction of the Subject Property resulting from any current or historical environmental issues.

3.6 Owner, Property Manager, and Occupant Information

The Subject Property is owned and managed by Westlands Water District. According to Mr. Freeman, Westlands Water District acquired the Subject Property circa 2002/2003. The Subject Property is not occupied.

3.7 Reason for Performing Phase I ESA

The Client requested a Phase I ESA for due diligence purposes. The ASTM E 1527-13 standard practice defines good commercial and customary practices for conducting a Phase I ESA with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), in addition to petroleum. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability ("appropriate inquiry into previous ownership and uses of the property consistent with good commercial and customary practice").

4. Records Review

The following records review is limited in scope to databases and resources that are readily available. The records review did not include an audit of the Subject Property's permits, if any. The review focused on readily available historical and regulatory database information to obtain a historical perspective of the Subject Property, the regulatory status of the Subject Property, and the regulatory status of the neighboring properties. Historical topographical maps and aerial photographs have been reviewed and a summary of findings are included in this section of the report.

4.1 Standard Environmental Record Sources

As part of this Phase I ESA, a review of applicable federal and state environmental regulatory databases was conducted. This entailed a review of Subject Property listings available through the appropriate agency databases. The database search was obtained through EDR. An EDR Radius Map™ with GeoCheck® Report (EDR Report) was requested for the standard one-mile radius from the approximate center of the Site. ARCADIS reviewed all listings; however, those determined to be beyond a one-mile radius were typically excluded as an environmental concern to the Site based on distance. A copy of the complete regulatory database report obtained from EDR is provided in **Appendix C**. The following is a description of the review of regulatory records and information provided as it pertains to the Subject Property.

Regulatory Agency Databases/Lists Reviewed

Search Radius	Agency	Database	Type of Records in Database
1 mile	U.S. EPA	NPL	Sites designated for Superfund cleanup by the U.S. EPA
	U.S. EPA	CORRACTS	RCRA facilities undergoing "corrective actions"
	DHS	BEP	Specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds
	DTSC	ENVIROSTOR	Sites that have known contamination or sites for which there may be a reason to investigate
0.5 mile	U.S. EPA	CERCLIS	Sites under review by the U.S. EPA
	RWQCB	LUST	Sites with LUSTs
	IWMB	SWLF/SWAT	Sites permitted as solid waste landfills, incinerators or transfer stations
	SWRCB	WMUDS/SWAT	Tracking and inventory of waste management units
	U.S. EPA	CERCLIS-NFRAP	CERCLIS sites with no further remedial actions planned.
Site or Adjacent Properties	U.S. EPA	RCRA Generator	Sites that generate large or small quantities of hazardous waste
	U.S. EPA and OES	ERNS	Sites with reported accidental releases of oil and hazardous substances
	SWRCB	UST	Sites with registered USTs

Notes:
BEP=Bond Expenditure Plan
CERCLIS=Comprehensive Environmental Response, Compensation and Liability Information System
ERNS= Emergency Response Notification System
LUST=Leaking Underground Storage Tank
NPL=National Priorities List
RCRA=Resource Conservation and Recovery Act
SWAT=Solid Waste Assessment Test
SWRCB=State Water Resources Control Board
WMUDS=Waste Management Unit Database
CORRACTS=Corrective Action Report
DHS=Department of Health Services
WMB=Integrated Waste Management Board
NFRAP=No Further Remedial Action Planned
OES=Office of Emergency Services
RWQCB=Regional Water Quality Control Board
SWLF=Solid Waste Landfills
U.S. EPA=U.S. Environmental Protection Agency

4.1.1 Summary of Significance of Regulatory Database Findings

The location of the Subject Property is not listed in any of the databases searched nor are any off-site properties listed within the ASTM-search radius. Therefore, the concern of environmental impairment or a vapor encroachment condition for the Subject Property from off-site sources is low.

4.2 Agency Review

According to information obtained from the websites maintained by the Regional Water Quality Control Board and the Department of Toxic Substances Control, the Subject Property location is not listed in any databases that provide information on properties with hazardous materials spills, corrective actions, USTs, or leaking USTs (LUSTs).

ARCADIS also submitted a records request for the Subject Property APN to the Fresno County Environmental Health Division (FCEHD), which is the Certified Unified Program Agency (CUPA) for the Subject Property. According to Ms. Bonnie Barber with FCEHD, records are filed by street address; however, occasionally records can be located by APN. According to a response from Mr. Steven Rhodes, Supervising Environmental Health Specialist, there are no records for the Subject Property although without a street address it cannot entirely be ruled out that records do not exist. Mr. Rhodes stated it appears the Subject Property is “unoccupied agricultural property with no structures.” The FCEHD previously sent ARCADIS records for two water wells installed in 1987 approximately 1.5-miles north-northwest of the Site. The wells were identified as observation wells and drilled to depths of 88 and 100 feet below ground surface (bgs). Depth to groundwater was not reported in the records.

ARCADIS did not request records for the Subject Property from the Fresno County Department of Agriculture (FCDA) because, according to Ms. Angel Gibson, Program Technician, the reporting databases are only kept active for five years. Any pesticides used onsite within the past five years would have a short half-life and would not be expected to represent an environmental concern to the Subject Property. Older persistent pesticides may have been applied to the Subject Property in the past. However, ARCADIS does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition.

4.3 Physical Setting Sources

4.3.1 Topography

U.S. Geological Survey (USGS) topographic maps were reviewed to determine the geographical features at and around the Subject Property (**Figure 1**). The maps that were reviewed are identified in Section 4.6.3.

The topography at the Subject Property is fairly flat with a slight slope to the south. The land surface elevations within the Subject Property average 206 feet above mean sea level.

4.3.2 Geology and Hydrogeology

The Subject Property is located in the south-central portion of the San Joaquin Valley. The San Joaquin Valley is a gently sloping, nearly unbroken alluvial plain bounded on the east by the Sierra Nevada Mountains and on the west by the Coast Ranges. According to the environmental database report prepared by EDR, the sediments beneath the Site have been identified as part of the Quaternary Series of the Quaternary System of the Cenozoic Era. According to the United States Department of Agriculture Soil Conservation Service, the main soil component in the general area of the Subject Property is Tranquillity, which has a surface soil texture of clay, very slow infiltration rates and is somewhat poorly drained.

No specific groundwater data was found for the Site. According to information provided in a prior report for a tract of land that included the Subject Property, perched groundwater may be present beneath the Subject Property as shallow as 5 - 20 feet bgs. The direction of groundwater flow at the Subject Property can be expected to vary locally, but is generally believed to follow the general slope of the surface topography to the east, northeast.

4.3.3 Watershed

No watersheds were identified on the Subject Property.

4.3.4 Wetlands

The U.S. Fish and Wildlife Service, National Wetland Inventory wetlands would typically be depicted in the Radius Map™ Report with GeoCheck®; however, none were identified within the Subject Property.

4.3.5 Floodplains

Flood zone information from the EDR Radius Map™ Report with GeoCheck® indicates that the Subject Property is not located within a designated flood zone.

4.3.6 Oil and Gas Production Facilities

The EDR Radius Map™ Report with GeoCheck® provides oil and gas well information. The EDR report indicates that no oil or gas wells have been advanced within the boundaries of the Subject Property or within the one-mile search radius from the property perimeter. This information was confirmed on the Division of Oil, Gas & Geothermal Resources on-line *Well Finder* database.

4.4 Historical Use Information on the Subject Property and Adjoining Properties

4.4.1 Fire Insurance Maps

Sanborn™ Fire Insurance Maps are not included in this assessment because the project area is rural and such documents are unlikely to be available.

4.4.2 City Directories

City directories were not requested for the Subject Property since the property is located in a rural area of California and is not addressed.

4.4.3 Historical Topographic Maps

Available historical topographic maps obtained from EDR were reviewed as part of this Phase I ESA, and are included in **Appendix D**. The following topographic maps were obtained and reviewed for the Subject Property and adjacent properties:

- Tufts Ranch – Coit Ranch, California 1922, 7.5 Minute Series
- Tranquility, California, 1946, 15 Minute Series
- Tufts Ranch, California, 1947, 7.5 Minute Series
- Coit Ranch, California, 1956, 7.5 Minute Series
- Coit Ranch, California, 1971, 7.5 Minute Series
- Coit Ranch, California, 1984, 7.5 Minute Series

The features of the Subject Property observed from the topographic maps are described below. Maps are addressed in chronological order. Unless otherwise noted, progressive descriptions indicate that no changes were observed from the previous year's features other than the new items mentioned.

The following features were observed on the topographic maps reviewed for the Subject Property and adjacent properties:

1922 Topographic Map: No features are depicted on the Subject Property or within the site vicinity.

1946 and 1947 Topographic Maps: No features are depicted on the Subject Property. A grid of streets is now depicted in the surrounding area including the streets adjacent to the Subject Property. A small water reservoir and two residences are depicted adjacent to the southeast corner of the Subject Property.

1956 Topographic Map: A small water reservoir is depicted in the north central portion of the Subject Property. One water well is depicted north of the Subject Property, and the reservoir adjacent to the east is no longer depicted. Small plots of agriculture are depicted to the west of the Subject Property.

1971 and 1984 Topographic Maps: No changes to the Subject Property or surrounding area are depicted on these topographic maps with the exception that the reservoir is no longer depicted on the Subject Property.

4.4.4 Historical Aerial Photographs

Aerial photographs available from EDR for the Subject Property and adjacent properties were reviewed and are provided in **Appendix D**. The aerial photographs reviewed by ARCADIS are from the following dates: 1946, 1957, 1965, 1975, 1981, 1987, 1998, 2005, 2006, 2009, 2010, and 2012. A general description of notable features observed on site in each aerial photograph (using current names and identifiers) follows.

1946 Aerial Photograph: Little Bear 3, which comprises the west half of the Subject Property, appears to be fallow land with no features visible. Little Bear 4, which comprises the east half of the Subject Property, appears to be planted with crops. The adjacent properties appear to be agricultural land.

1957 Aerial Photograph: The Subject Property appears to be fallow land. A small water reservoir is visible in the center of the site along the northern boundary. Adjacent properties are agricultural land or fallow land.

1965 Aerial Photograph: The Subject Property appears to be planted with row crops although a portion of Little Bear 3 may be fallow land. The reservoir is no longer visible. Adjacent properties are agricultural.

1975 Aerial Photograph: The Subject Property is sectioned and appears to be planted with crops. No features are visible onsite. Adjacent properties are agricultural or fallow.

1981 Aerial Photograph: Little Bear 3 is light in color and Little Bear 4 is dark in color. The difference may be different crops or flooding. No features are shown onsite. Adjacent land uses are not clearly visible.

1987 Aerial Photograph: Similar to the 1981 photograph, the Subject Property is shown as a combination of light and dark colored land. No features are visible onsite. Adjacent land appears agricultural.

1998 Aerial Photograph: The Subject Property appears to be fallow; no features are shown onsite. The surrounding area remains agricultural and a farm is shown to the north-northeast of Little Bear 4.

2005 Aerial Photograph: The Subject Property appears to be sectioned for different row crops. The surrounding area includes agriculture and a farm.

2006 Aerial Photograph: Little Bear 3 appears fallow and Little Bear 4 appears to have returned to a more natural vegetative state. No significant changes are observed on adjacent properties.

2009 - 2012 Aerial Photographs: The Subject Property appears fallow in 2009, is planted with row crops in 2010, and has returned to fallow land in 2012. No significant changes are observed on adjacent properties.

4.4.5 Conclusions from Historical Use Information on the Subject Property

Review of historical topographic maps and aerial photographs that cover the Subject Property indicated that the Subject Property has been agricultural or fallow land since at least the 1940s. No RECs were identified from the review of historical data, topographic maps, and aerial photographs of the Subject Property.

4.4.6 Conclusions from Historical Use Information on Adjacent Properties to the Subject Property

The topographic maps and historical aerial photographs indicate that the surrounding area has been agricultural land since at least the 1940s. No RECs were identified from the review of historical data, topographic maps, and aerial photographs in connection with lands adjacent to the Subject Property.

5. Other Environmental Reports

ARCADIS was provided with previous environmental reports for the Subject Property from the site owner. A summary of the reports is presented here:

BSK. 2003. *Limited Phase I ESA Report, 31,500 Acres of Farmland within the Westlands Water District, Fresno County, CA.* August 19.

The BSK report was prepared for approximately 33,400 acres of land (discrepancy with the title of the report) within the Westlands Water District (Westlands) that includes the Subject Property. At that time, the properties consisted of cropland, fallow land, farm land removed from production, farm roads, farming operation yards, and farm labor residences. BSK stated that agricultural development of the site properties began in the early 1940s and by the late 1980s, were largely developed in their current state. Subsurface drainage systems were installed in the 1970s and by the mid-1980s, were largely out of use. However, the report stated portions of the properties are no longer farmed now due to rising perched water levels.

Based on observed conditions during the site reconnaissance, BSK stated that the principal crops grown throughout the area were cotton, tomatoes, grapes, alfalfa, onions, and garlic. No orchards or rice fields were present. Several farming operation yards, numerous water wells, abandoned subsurface drainage collection system pumps and associated reservoirs, and water storage reservoirs were observed. Irrigation ditches were observed for chemical impact. The report stated that no conditions appearing to be associated with the introduction of fuels or chemicals were observed. In addition, the report stated there was no indication of waste piles or surface impoundments within the farming operation areas. There was no specific mention of the Subject Property in the report.

Requests to local regulatory agencies and review of federal and states databases did not identify any records of concern for the site. Several off-site properties were identified with the possible potential to impact the site; however, none appear to be located in proximity to the current Subject Property. BSK did not provide any conclusions or recommendations in their report.

BSK. 2004. *Addendum to Limited Phase I ESA Report, 22,627 Acres of Farmland, Phase 3 and 4 Properties within the Westlands Water District, Fresno County, CA*. August 18.

The addendum report also includes the Subject Property and was prepared to update site conditions as new parcels were transferred to Westlands. Although new properties were observed by BSK that handled large quantities of fuels and/or chemicals, it appears that there were no changes to properties that were previously cropland or fallow land, which includes the Subject Property. BSK provided specific recommendations for several properties; however, not the Subject Property or properties adjacent to the Subject Property. BSK also provided general conclusions for all the properties which included the following, "While BSK found no evidence of RECs, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis." BSK also stated that oil-lubricated irrigation supply wells can be a source of impact to soil and groundwater through loss of oil, and that further investigation would be required to determine if releases occurred that warranted further action. ARCADIS did not observe any oily releases in connection with abandoned irrigation features on the Subject Property.

6. Site Reconnaissance

6.1 Methodologies and Limiting Conditions

Mr. Lawrence Browne of ARCADIS conducted a site reconnaissance of the Subject Property on September 9, 2015. Photographs from the site reconnaissance are included as **Appendix A**. Mr. Browne is an Environmental Professional, qualified to conduct Phase I ESA work. ARCADIS was not accompanied during site reconnaissance activities.

The Subject Property boundaries were based on information provided by First Solar, Inc. During the site reconnaissance, the weather was sunny with an average temperature of 90 degrees Fahrenheit. Visibility was clear to at least one mile.

The Phase I ESA investigation included a detailed review of aerial photography and historical topographical maps prior to the site reconnaissance to identify items to be observed during the site reconnaissance. ARCADIS reviewed the aerial photographs to identify features that were unknown in the photographs, or warranted further investigation based on human construction or usage, and visited each of these areas. The Subject Property and adjacent lands were inspected via vehicle on unpaved access roads and via foot in readily accessible areas.

The purpose of the site reconnaissance was to visually obtain information that would indicate the potential presence of RECs. This included indications of spills, chemical or solid-waste disposal practices, and the observance of ASTs, USTs, and other environmental concerns identified in the ASTM E 1527-13 standard practice. The site reconnaissance did not include sampling of water, soil, air, or materials at the Subject Property.

6.2 General Site Setting

The Subject Property is currently vacant land; no buildings are located onsite.

6.3 Observations

The following sections summarize observations and findings made during the site reconnaissance.

6.3.1 General Observations of Operations

The Subject Property consists of two square-shaped parcels of equal size (160 acres each) that are contiguous. The west parcel is identified as Little Bear Solar 3 and the east parcel is identified as Little Bear Solar 4. Both Little Bear Solar 3 and 4 consist of tilled soil with no vegetation. ARCADIS observed abandoned irrigation features throughout the Subject Property. In addition, ARCADIS observed an abandoned irrigation pump station on the west side of Little Bear 3. A 12-inch irrigation well was observed in a concrete pad that extends to groundwater. The well is covered by a light slab of concrete and is readily accessible.

The two parcels are divided by an unpaved, unnamed road running north/south. Electric and phone lines are present along the perimeter of the Subject Property.

6.3.2 Solid and Hazardous Waste

No hazardous waste or solid wastes were observed by ARCADIS during the site visit.

6.3.3 Aboveground Storage Tanks

No evidence of ASTs was observed on the Subject Property by ARCADIS.

6.3.4 Underground Storage Tanks

No evidence of any USTs (fill ports, vent pipes, or dispensers) was observed on the Subject Property by ARCADIS, and none were reported to exist by the landowner or Client personnel.

6.3.5 Chemical Storage

No chemicals or evidence of chemical storage was observed on the Subject Property by ARCADIS. Hazardous waste is not generated on the Subject Property.

6.3.6 Utilities

The Subject Property is serviced by local utilities. Pacific Gas & Electric power lines were observed in proximity to the site. Water is supplied by Westlands Water District. Reportedly, a 14-inch water main runs along the west side of the Subject Property in a north/south direction. Other water mains may be present.

ARCADIS also observed a power pole with two pole-mounted transformers in the northwest corner of Little Bear 4. No signs of leakage on or beneath the transformers was observed. However, a raptor nest was observed between the two transformers.

6.3.7 Air Emissions

No sources of industrial or manufacturing air emissions were observed by ARCADIS during the site reconnaissance.

6.3.8 PCBs

No electrical or hydraulic equipment known to contain PCBs or likely to contain PCBs was identified during this assessment.

6.3.9 Wells

During the site visit, ARCADIS' representative looked for wells, including dry wells, irrigation wells, injection wells, monitoring wells, abandoned wells, or other wells. One inactive 12-inch irrigation water well was observed on the west side of Little Bear 3. The well is covered by a light slab of concrete. No other wells were observed onsite or reported to be onsite.

6.3.10 Other Conditions Observed during Site Reconnaissance

In addition to the observations discussed in previous sections, none of the following items of potential concern were observed by ARCADIS on the Subject Property during the site reconnaissance:

- Industrial or manufacturing activities or facilities;
- Leachate or seeps;
- Drains or sumps;
- Evidence of chemical spills or releases;
- Evidence of monitor wells or remediation equipment;
- Evidence of surface water contamination;
- Pools of liquids; or
- Discharges, leachate, migration, or runoff of potential contaminants from offsite sources.

6.3.11 Conditions Observed on Adjacent Properties During Site Reconnaissance

In addition to the Subject Property observations discussed above, none of the observed activities on adjacent properties were identified as RECs.

7. Interviews

7.1 Interview with Current Landowner

The Subject Property is comprised of land contracted with an option to purchase by First Solar Development, LLC. from a single landowner entity, Westlands Water District. ARCADIS contacted and interviewed the landowner representative, Mr. Russ Freeman, to obtain information on the Subject Property. Mr. Freeman stated that the Subject Property has always been agricultural land and he was not aware of any environmental concerns at the Subject Property. ARCADIS also previously interviewed an employee of Westlands Water District that was passing by the Subject Property during a previous site reconnaissance of parcels north of the Subject Property. The employee stated that the Subject Property was used for the cultivation of tomatoes, watermelon and cantaloupes up until approximately nine years ago. At that time, due to water restrictions, the Subject Property became fallow.

No hazardous chemicals or petroleum products were reported during the interviews to be used or stored on the Subject Property. No issues were identified to indicate the presence of RECs through the conducted interviews.

8. Phase I ESA Findings, Opinions and Conclusions

The following sections present ARCADIS's Phase I ESA findings, opinions and conclusions.

8.1 Summary Information – Non RECs

- The Subject Property includes approximately 320 acres of former agricultural land that will be the site of the proposed Little Bear 3 and 4 Solar Project. The Subject Property continues to be periodically used for row crop farming and sheep grazing. Two parcels have been contracted with an option to purchase where solar panels and other associated infrastructure are planned to be located.
- Based on the historical research and interviews completed for this Phase I ESA, the Subject Property has historically been agricultural land. Older persistent pesticides may have been applied to the Subject Property in the past. However, ARCADIS does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition.
- The limited existing infrastructure on the Subject Property includes a possible water main running along the west side of Little Bear 3 and abandoned irrigation features throughout the Subject Property. In addition, ARCADIS observed an abandoned irrigation pump station on the west side of Little Bear 3. A 12-inch irrigation well was observed in a concrete pad that extends to groundwater. The well is covered by a light slab of concrete and is readily accessible. If the well is no longer needed, it should be capped and closed. In addition, if future development activities involve removing former irrigation and drainage piping, the pipes should be inspected for Transite™ asbestos prior to removal. If the pipes contain Transite™ asbestos, they will require special handling and disposal as hazardous waste.

8.2 REC, HREC and CREC Findings

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Subject Property. Any exceptions to, or deviations from this practice, are described in Section 1 of this Report. This assessment has revealed no evidence of RECs, HRECs or CRECs at the Subject Property, as defined under ASTM Practice E 1527-13.

8.1 *De Minimis* Conditions

No *de minimis* conditions were identified for the Subject Property, with the following exceptions:

- The inactive irrigation well should be properly closed and capped as it provides a conduit to the subsurface and is a potential safety hazard.
- A raptor nest was observed in a power pole onsite.

9. Conclusions and Opinions

ARCADIS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Subject Property.

Based on a review of the information obtained from interviews of the property owner representatives, landowner, and other people knowledgeable of the Subject Property, historical topographical maps and aerial photographs, environmental regulatory and other databases, and a site reconnaissance, no RECs, HRECs or CRECs were identified associated with the Subject Property. No further investigation is recommended at this time.

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs, HRECs, or CRECs in connection with a property. This evaluation was intended to reduce, but not eliminate uncertainty in RECs, HRECs and CRECs.

10. Deviations and Data Gaps

The ASTM practice requires environmental professionals to identify data gaps following reasonable inquiry of First Solar Development, LLC. personnel and ARCADIS' search for "reasonably ascertainable" resources. ASTM E 1527-13 defines a data gap as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information". ARCADIS has performed this Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 and 40 CFR Part 312. Any additions to, or deviations from, this practice are described in Section 1.

The interval between aerial photographs and topographic maps exceeds 5 years. No other limiting factors were documented during this Phase I ESA. These limiting factors represent data gaps. Based on information obtained by ARCADIS during our review of historical sources, and observation of site conditions during our visit, additional photographs and maps would not appear to be significant and we do not anticipate that the information that could be obtained from these sources would change the conclusions of this report. Pertinent data, if any, obtained by the Client following the issuance of this report should be reviewed by an environmental professional and an addendum prepared presenting an evaluation of the data and any changes to the conclusions of this report, as warranted by the data.

11. Additional Services

No additional services were requested or performed.

12. References

ASTM E 1527-13. 2013. "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"* ASTM International, West Conshohocken, PA.

BSK. 2003. *Limited Phase I ESA Report, 31,500 Acres of Farmland within the Westlands Water District, Fresno County, CA*. August 19.

BSK. 2004. *Addendum to Limited Phase I ESA Report, 22,627 Acres of Farmland, Phase 3 and 4 Properties within the Westlands Water District, Fresno County, CA*. August 18.

EDR Radius Map™ Report with GeoCheck®. 2015. Little Bear 1 and 2. Inquiry #4400077.2s. September 1.

_____. 2015. EDR - Historical Topographic Map Report. July 13.

_____. 2015. EDR - Aerial Photo Package. September 4.

Signature of Environmental Professional

The environmental assessment described herein was conducted by the undersigned employee of ARCADIS. ARCADIS' assessment consisted solely of the activities described in the Introduction of this Report, and in accordance with the ASTM E 1527-13 guidelines for Phase I Environmental Site Assessments signed prior to initiation of the assessment, as applicable.

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 Code of Federal Regulations (CFR) 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. *

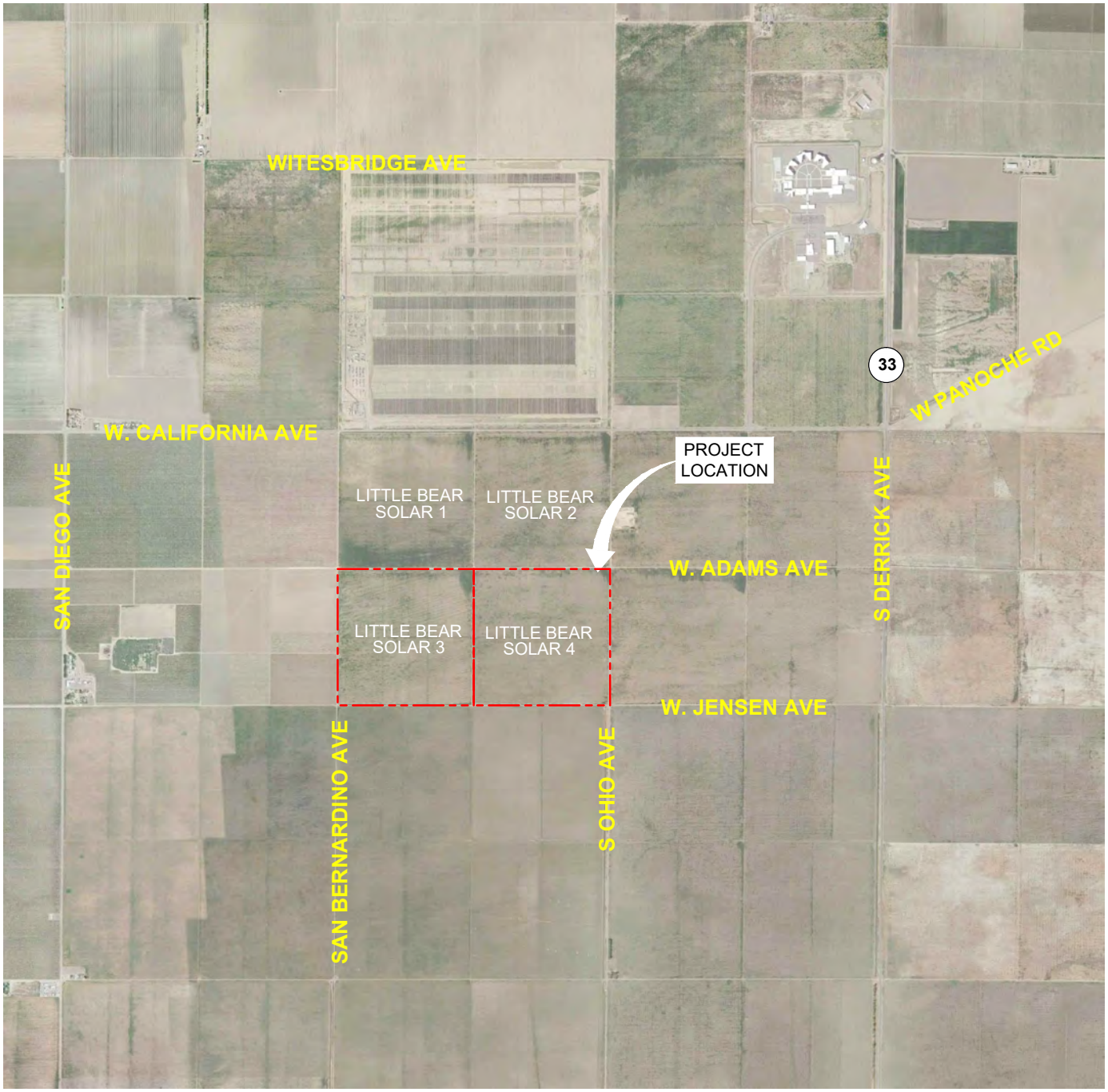
Report Prepared By:

October 26, 2015

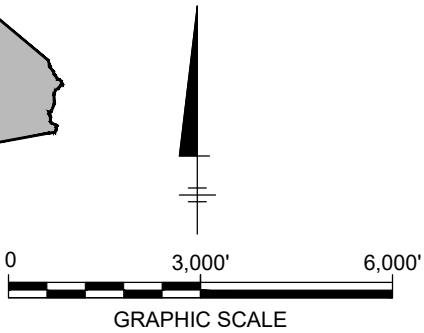
Janet Holtz — Date
Principal Scientist

*A professional geologist's or environmental professional's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

FIGURES



MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"



FIRST SOLAR
LITTLE BEAR 3 AND 4
FRESNO COUNTY, CALIFORNIA
PHASE I ESA

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: IRVINE DIV/GROUP: ENVCAD DB: E. MURESAN PM: J. HOLTZ
G:\ENVCAD\Irvine\ACT\CO002047\0003\CO002047.0003 Site.dwg LAYOUT: 1 SAVED: 9/2/2015 3:37 PM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/2/2015 3:37 PM BY: MURESAN, ELENA

LEGEND:

PROPERTY BOUNDARY

0 800 FEET

MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"

FIRST SOLAR
LITTLE BEAR 3 AND 4
FRESNO COUNTY, CALIFORNIA
PHASE I ESA

SITE PLAN

ARCADIS

FIGURE
2

Appendix A

Site Reconnaissance Photographs

Photograph #1

Description of Photograph:
View of northwest corner of Site looking west along W. Adams Avenue.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7121473, -120.4231370)

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #2

Description of Photograph:
View of west end of Site looking south along San Bernardino Avenue. Pomegranate trees are adjacent to the west.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7121473, -120.4231370)

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #3

Description of Photograph:
View of southwestern corner of Site looking north. Note abandoned irrigation equipment. The burned area is vegetation control.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7054874, -120.4233801)

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #4

Description of Photograph:
View of southwest corner of Site looking east along the Site's southwestern boundary.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7054874, -120.4233801

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #5

Description of Photograph:
View of Little Bear Solar 3 looking west from W. Jensen Ave.; this portion of the Site is tilled and un-vegetated.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7050943, -120.4140682)

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #6

Description of Photograph:
View of unnamed dirt access road from south looking north that separates Little Bear Solar 3 and 4.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7050943, -120.4140682)

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #7

Description of Photograph:
View of Little Bear Solar 4 looking east from W. Jensen Ave.; this portion of the Site is tilled and un-vegetated. Note abandoned irrigation feature.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA
(36.7050943, -120.4140682)

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #8

Description of Photograph:
Leaking abandoned irrigation feature at north end of Site, central portion.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #9

Description of Photograph:
View of power pole with pole-mounted transformers in northwest corner of Little Bear Solar 4. Note raptor nest between the transformers

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Photograph #10

Description of Photograph:
Abandoned irrigation pump station observed onsite on west side of Little Bear 3. 12-inch irrigation well observed in concrete pad that extends into groundwater.

Site Location:
Little Bear Solar 3 & 4
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
October 9, 2015

Appendix B

ASTM User and Owner Questionnaires/Lien Report

URGENT and CONFIDENTIAL

USER QUESTIONNAIRE

AS REQUIRED by ASTM Standard E1527-13 or E 2247-08

To:	Janet Holtz	From:	Lien Dinh
At:		At:	First Solar Development, LLC
Fax:		Pages:	2
Phone:		Date:	September ?. 2015

Site Name: Little Bear 3 and 4

Site Address: 2 parcels approximately 320 acres total, located at the intersection of W. Jensen Avenue and San Bernardino and S. Ohio Avenues in Fresno County, CA

The person who will use the Phase I ESA should provide the following information. Please fill in this form to the best of your ability, explaining any Yes answers in the space provided or on a separate sheet of paper. Without response to the User Questionnaire, our report would have to note that the Phase I ESA is incomplete, and your Landowner Liability Protections could be at risk. Please provide response to the User Questionnaire prior to the site reconnaissance.

1. **Environmental Cleanup Liens.** ASTM requires the User to check for environmental liens and Activity and Use Limitations (AULs) that may be filed or recorded against the subject property under federal, tribal, state or local law or to include the review of environmental liens and AULs as an additional scope for the environmental professional. Such liens or limitations might be listed in the "exceptions to coverage" in the property's title insurance commitment or policy. Failure to check for these liens and limitations could put your Landowner Liability Protections at risk.

   Please indicate the person or entity responsible for review of environmental liens and activity and use limitations for this Phase I ESA. __Matthew Garamone_____

   Are you aware of any such liens against the subject property? ❑ Yes ☒ No

2. **Activity and Use Limitations (AULs).** These include engineering controls (e.g., slurry walls, caps) and land use restrictions or institutional controls (e.g., deed restrictions, covenants) that may be in place at the subject property or filed under federal, tribal, state or local law.

   Are you aware of any possible AULs involving the subject property? ❑ Yes ☒ No

3. **Specialized Knowledge.** This involves personal knowledge or experience related to the subject property or nearby properties. For example, if you are involved in the same line of business as the current or former occupants of the property or an adjoining property, you may know of any chemicals, oil, degreasers, gasoline, or other hazardous substances commonly used in that type of business.

   Do you have any specialized knowledge that might indicate the past or present use of such substances on the subject or nearby properties? ❑ Yes ☒ No

4. **Fair Market Value (FMV).** A purchase price significantly below FMV may indicate an environmental problem. Please note that this question does not require an appraisal of the property. If the price is significantly below FMV, the User should consider whether it might be because contamination may be present at the property.

   Is the purchase price significantly below fair market value? ❑ Yes ☒ No

5. **Obvious Indicators.** This involves past or present spills, stains, releases, cleanups, etc. on or near the site.

   Do you know of any obvious indicators of possible contamination on or near the site? ❑ Yes ☒ No

   Do you know of spills or other chemical releases that have taken place at the property? ❑ Yes ☒ No

   Do you know of any environmental cleanups that have taken place at the property? ❑ Yes ☒ No

6. **Litigation, Administrative Proceedings or Government Notices.**

   Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? ❑ Yes ☒ No

Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? ❑ Yes ☒ No

Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? ❑ Yes ☒ No

7. **Common Knowledge.** Please use a separate sheet if necessary.
   a. Describe the past uses of the property: Dry farmed agricultural land currently owned by Westlands Water District and rented out to a farming tenant.

   b. Describe any specific chemicals that may have been present at the property: _____

   c. Describe any other information that may help us identify possible contamination: _____

Additional Information: (Provide herein or indicate attachments)

Previous Phase I ESA performed by BSK was provided by Westlands Water District. This Phase I ESA covered land which includes the subject property has been provided.

_____ July13, 2015_____ **# of separate sheets attached**: 0_____

Your Signature **Date** .

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

Project Name:
Little Bear 3 & 4, Fresno County, CA

Client/Client Contact Name:
First Solar; Lien Dinh

Interviewer:
Janet Holtz

Opening Statement:
ARCADIS is conducting an Environmental Site Assessment of the Little Bear 3 & 4, Fresno County, CA Project. I understand First Solar; Lien Dinh contacted you to let you know that ARCADIS would be conducting an interview and will be out on site in the near future as part of the Environmental Site Assessment.

Part of the requirement of an environmental site assessment is to learn about the uses and history of the property.

I have a few questions regarding your knowledge of the history, land use, and environmental condition of the property.

Please fill in the following information:

Landowner Name(s) : West lands Water District

Phone Number(s): 559-224-1523

Fill in the call history below for each attempt to contact the landowner.

Attempt #	Date	Time	Comments
N/A - owner completed form and returned			

(Circle answers and add comments as needed)

Relationship to Site: ☒ Owner ☐ Occupant ☐ Purchaser ☐ Other: _____

1. Legal description of the property (lot numbers/parcel numbers) or confirm with landowner their property location:

S ½ of Section 14, T14S, R15E, MDBM

2. How long have you owned or been familiar with the property?

11 + years

3. What is the historical use of the property, to your knowledge?

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

Ag ; dryland farming since ~2004

4. Have there ever been any underground storage tanks on the property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

5. Have there ever been any aboveground storage tanks on the property?

No ☐ Unknown ☒ N/A ☐ Yes ☐ (explain):

6. Are you aware of any releases, spills, or leaks of hazardous substances or petroleum products on the property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

7. What chemicals are currently or have been historically used or stored on your property to your knowledge?

Ag related pesticides, fertilizers, herbicides, etc.

8. Have there been historically, or there presently any large animal confinements on or adjacent to your property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

9. Have any of the following documents been prepared for your property, and if so, can copies be provided to us?

- Environmental site assessment or compliance audit reports ☒ Yes ☐ No ☐ Copies Available

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

• Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)	☐ Yes	☒ No	☐ Copies Available

(Question 9 continued):

• Registrations for USTs or ASTs	☐ Yes	☒ No	☐ Copies Available
• Material safety data sheets (MSDS/SDS)	☐ Yes	☒ No	☐ Copies Available
• Community Right-to-Know Plan	☐ Yes	☒ No	☐ Copies Available
• Safety plans; preparedness and prevention plans; SPCC plans	☐ Yes	☒ No	☐ Copies Available
• Reports regarding hydrogeologic conditions on the Site or in the surrounding	☒ Yes	☐ No	☐ Copies Available shallow groundwater maps
• Notices or other correspondence from any government agency relating to past or current violations	☐ Yes	☒ No	☐ Copies Available
• Hazardous waste generator notices or reports	☐ Yes	☒ No	☐ Copies Available
• Risk Assessments	☐ Yes	☒ No	☐ Copies Available
• Recorded Activity and Use Limitations (e.g. environmental liens, deed restrictions, asphalt cap)	☒ Yes	☐ No	☐ Copies Available non-irrig. covenants, easements
• Other Permits/Documents	☐ Yes	☒ No	☐ Copies Available

Additional Comments of the above Document types:

10. Do you know of any environmental violations or clean-ups that have taken place at the

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

11. Are you aware of any current or historical dumps, landfilling, or use of fill material on your

ARCADIS

Landowner Interview for Phase I Environmental Site Assessment

Compliant Interview form for ASTM E 2247-08 (Rural Properties) and ASTM E 1527-13 (Commercial/Industrial Properties)

property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

12. Have you ever identified abandoned chemical containers, vehicle or industrial batteries, or machinery from unknown sources on your property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

13. Are you aware of any current or historical industrial activities such as oil drilling, gravel mining, strip mining or similar activities conducted on your property?

No ☒ Unknown ☐ N/A ☐ Yes ☐ (explain):

14. Does the Site's purchases or lease price reasonably reflect the fair market value of the property?

No ☐ Unknown ☐ N/A ☐ Yes ☒ (explain):

Negotiated price based on similar sales to this developer.

If "No", do you know the reason for lower purchase price? Is it possible that the lower purchase price is because of contaimination known or believed to be present at the Site?

Landowner or Representative:

Signature: Ron Freeman **Date:** 10/22/15

Signature: _____ **Date:** _____

Little Bear 1 & 2
SEC W California Ave / San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4400077.6S
September 08, 2015

The EDR Environmental LienSearch™

EDR® Environmental Data Resources Inc

6 Armstrong Road,
Fourth Floor
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

LITTLE BEAR 1 & 2
SEC W CALIFORNIA AVE / SAN BERNARDINO AVE
MENDOTA, CA 93640

RESEARCH SOURCE

Source 1: Fresno Assessor
Fresno County, California

Source 2: Fresno Recorder
Fresno County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: Westlands Water District, a public agency

Title received from: Rick Blanchard, who also acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who also acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated 02/21/2002

Deed Dated: 09/28/2004

Deed Recorded: 10/04/2004

Instrument: 221852

Legal Description: All that certain piece or parcel of land being the South Half of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, situate and lying in the County of Fresno, State of California.

Legal Current Owner: Westlands Water District, a public agency

Property Identifiers: 019-110-03st

EDR Environmental LienSearch™ Report

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental LienSearch™ Report

DEED EXHIBIT

RECORDING REQUESTED BY

Chicago Title Company FBO

AND WHEN RECORDED MAIL THIS DEED AND, UNLESS OTHERWISE SHOWN BELOW, MAIL TAX STATEMENT TO:

Name Westlands Water District
Street Address P.O. Box 6056
City & State Zip Fresno, CA. 93703-6056

Title Order No. _____ Escrow No 5633442-SCF

FRESNO County Recorder
Robert C. Werner
DOC- 2004-0221852
Acct 2-Chicago Title Company
Monday, OCT 04, 2004 08:00:00
Ttl Pd $0.00 Nbr-0001615033
APR/R1/1-10

SPACE ABOVE THIS LINE FOR RECORDER'S USE

T 355 Legal (2-94)

Grant Deed

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
DOCUMENTARY TRANSFER TAX IS $ exempt
☒ _____ unincorporated area ☐ City of _____
Parcel No. ~~019-050-19s,48s,~~55s,56s,59s; 019-110-03s,04s,05s, 06s, 13s
☐ computed on full value of interest or property conveyed, or
☐ computed on full value less value of liens or encumbrances remaining at time of sale, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, AS SET FORTH AT GRANTOR EXHIBIT ATTACHED HERETO AND MADE A PART HEREOF

hereby GRANT(S) to WESTLANDS WATER DISTRICT, a public agency

the following described real property in the county of Fresno, state of California:

AS DESCRIBED AT EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

Dated September 28, 2004

SEE SIGNATURE PAGE ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

STATE OF CALIFORNIA
COUNTY OF _____ } S.S.
On _____ before me,
_____
a Notary Public in and for said County and State, personally appeared
_____
_____
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature _____

(This area for official notarial seal)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE; IF NO PARTY SHOWN, MAIL AS DIRECTED ABOVE

Name | Street Address | City & State

GRANTOR EXHIBIT

RICK BLANCHARD, who also acquired title as ERIC BLANCHARD, and ALLISON BLANCHARD, husband and wife; DARRELL LOUIS SILVEIRA, an unmarried man, who also acquired title as DARRELL SILVEIRA, a single man; and DUDLEY J. SILVEIRA and CHARLOTTE J. SILVEIRA, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated February 21, 2002;

SIGNATURE PAGE

RICK ~~BLANCHARD~~ BLANCHARD

ALLISON BLANCHARD

DARRELL LOUIS SILVEIRA

DUDLEY J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

CHARLOTTE J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

3

STATE OF CALIFORNIA,

COUNTY OF Fresno } S.S.

On September 30, 2004, before me, Suzanne C. Ford, a Notary Public in and for said County and State, personally appeared Richard Blanchard, Allison Blanchard, Darrell Louis Silveira, Dudley J. Silveira and Charlotte J. Silveira

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature

FOR NOTARY SEAL OR STAMP

TGJ1 SUZANNE C. FORD COMM. #1320407 NOTARY PUBLIC - CALIFORNIA FRESNO COUNTY My Comm. Expires Oct. 6, 2005 TGJ1

STATE OF CALIFORNIA,

COUNTY OF _____ } S.S.

On _____, before me, _____, a Notary Public in and for said County and State, personally appeared _____

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

FOR NOTARY SEAL OR STAMP

TE 160 Legal (2-94)

This form is furnished by **Chicago Title Company**

EXHIBIT A

PARCEL 1:

The East half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPT THEREFROM that portion described as follows:

BEGINNING at the Southeast corner of said Section 12 and running thence North along the East line of the Section a distance of 150 feet to a point; thence Westerly and parallel to the South line of the Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of the Section a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM all oil, gas and other hydrocarbon substances as reserved in the Deed from Capital Company, a corporation, dated February 24, 1942, recorded March 10, 1942 in Book 1993 Page 428 of Official Records, Document No. 9937.

PARCEL 1A:

BEGINNING at the Southeast corner of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof, and running thence North along the East line of said Section, a distance of 150 feet to a point; thence Westerly and parallel to the South line of said Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of said Section, a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and

thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-59s

PARCEL 2:

The West half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Luie M. Christopher, also known as Louie M. Christopher, also known as L. M. Christopher and Effie A. Christopher, his wife, to Arne Jalonen and Ramona S. Jalonen, husband and wife, as joint tenants, recorded January 7, 1952 in Book 3106 Page 60 of Official Records, Document No. 679;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-19s

PARCEL 3:

The Northeast quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Floyd A. Jury and Edna Genevieve Fleharty to Jesse Durham, dated April 4, 1945, filed for record April 26, 1945 in Book 2248 Page 225 of Official Records, Document No. 16735.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-05s

PARCEL 4:

The Northwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and minerals, as reserved in the Deed from California Lands, Inc., (now Capital Company, a corporation), dated January 29, 1930, recorded in Book 1064 Page 40 of Official Records, Document No. 5336;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-06s

PARCEL 5:

The East half and the Southwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM the following described property:

That portion of the East half of the East half of said Section 13, described as follows:

Beginning at the Southeast corner of said Section, said Southeast corner being at Coordinates Y=502467.210 feet and X=1593586.361 feet; thence (1) along the South line of said Section, North 89° 16' 19" West, 101.65 feet; thence (2) North 61° 26' 58" East 82.73 feet to the West line of the East 30 feet of said Section; thence (3) along said West line, North 1° 26' 58" East, 5195.14 feet; thence (4) North 43° 33' 02" West 70.72 feet to the South line of the North 30 feet of said Section; thence (5) North 1° 26' 46" East 30.00 feet to the North line of said Section; thence (6) along last said North line, South 89° 20' 02" East 80.01 feet to the East line of said Section; thence (7) along said East line, South 1° 26' 58" West 5316.32 feet to the point of beginning.

ALSO EXCEPTING THEREFROM one-half of all oil, gas and minerals, as reserved in the deed from Pearl Bartlett Adams to K. Henry Kruse and Lydia S. Kruse, husband and wife, as joint tenants, dated November 5, 1951, recorded November 23, 1951, in Book 3091 Page 328 of Official Records, Document No. 61397;

ALSO EXCEPTING THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals therein and thereunder, together with all easements ad rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon; as reserved in the deed from John Berkovich, also known as John J. Berkovich and Mary L. Berkovich, husband and wife, to Manuel J. Silveira and Elsie M. Silveira, husband and wife, as joint tenants, dated March 30, 1959, recorded April 15, 1959, in Book 4207 Page 697 of Official Records, Document No. 27494;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals as reserved in the deed from Manuel J. Silveira and Elsie M. Silveira to Edgar A. Wilkins and Evelyn Wilkins, husband and wife, dated September 20, 1962, recorded October 17, 1962, in Book 4775 Page 347 of Official Records, Document No. 79533;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals lying in and under said land, as reserved by Edgar A. Wilkinss by deed recorded March 20, 1968, in bk 555549 Page 456 of Official Records, Document No. 20329.

APN: 019-110-13s

PARCEL 6:

The North 1242.71 feet (measured at right angles) of the West half of the Southwest quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

APN: 019-050-48s

PARCEL 7:

The Northwest quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPTING THEREFROM an undivided 1/8 interest in and to all oil, gas, minerals and other hydrocarbon substances lying in and under the above described property, as reserved in the deed recorded March 15, 1967.

APN: 019-110-04s

PARCEL 8:

The South half of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM an undivided 2/25ths interest in and to the oil, gas and other minerals within or underlying said property.

ALSO EXCEPTING THEREFROM an undivided 50% of Grantor's interest in and to all oil, gas, minerals, hydrocarbon substances and available mineral rights in and under said land, as reserved in the deed from Anita M. Whiting, formerly Anita Arnaudon Salter, recorded December 15, 1983, as Document No. 83117333.

APN: 019-110-03s

PARCEL 9:

Lots 49 to 52, inclusive, Lots 61 to 64, inclusive, Lots 67 and 68, Lots 77 and 78, and Lot E of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records;

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-050-56s

PARCEL 10:

Lots 65, 66, 79 and 80 of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records.

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-05~~6~~5-55s

CERTIFICATE OF ACCEPTANCE

Pursuant to the powers granted by the California Water Code section 35405 and according to the authority granted the General Manager by Westlands Water District Rules and Regulations, this certifies that the interest in real property conveyed by the attached instrument, entitled Grant Deed and dated September 28, 2004 from DARRELL SILVEIRA, ETAL to Westlands Water District, a public agency organized and operated under California Water Code section 34000 et seq., is hereby accepted by the undersigned Secretary on behalf of the Board of Directors of Westlands Water District, and the District hereby consents to recordation of the attached instrument.

Date: September 28, 2004

By: _____
Dave Ciapponi
Secretary

10

ARCADIS

Appendix C

EDR Radius Map™
with GeoCheck® Report

Little Bear 1 & 2
SEC W California Ave / San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4400077.2s
September 01, 2015

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

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GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SEC W CALIFORNIA AVE / SAN BERNARDINO AVE
MENDOTA, CA 93640

COORDINATES

Latitude (North):	36.7096000 - 36˚ 42' 34.56''
Longitude (West):	120.4146000 - 120˚ 24' 52.56''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	730938.8
UTM Y (Meters):	4065571.5
Elevation:	206 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5602474 COIT RANCH, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120622
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SEC W CALIFORNIA AVE / SAN BERNARDINO AVE
MENDOTA, CA 93640

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

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
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

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

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - 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
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

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

EXECUTIVE SUMMARY

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 Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
CA FID UST	Facility Inventory Database

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
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
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
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

EXECUTIVE SUMMARY

HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
HIST CORTESE	Hazardous Waste & Substance Site List
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

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 LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

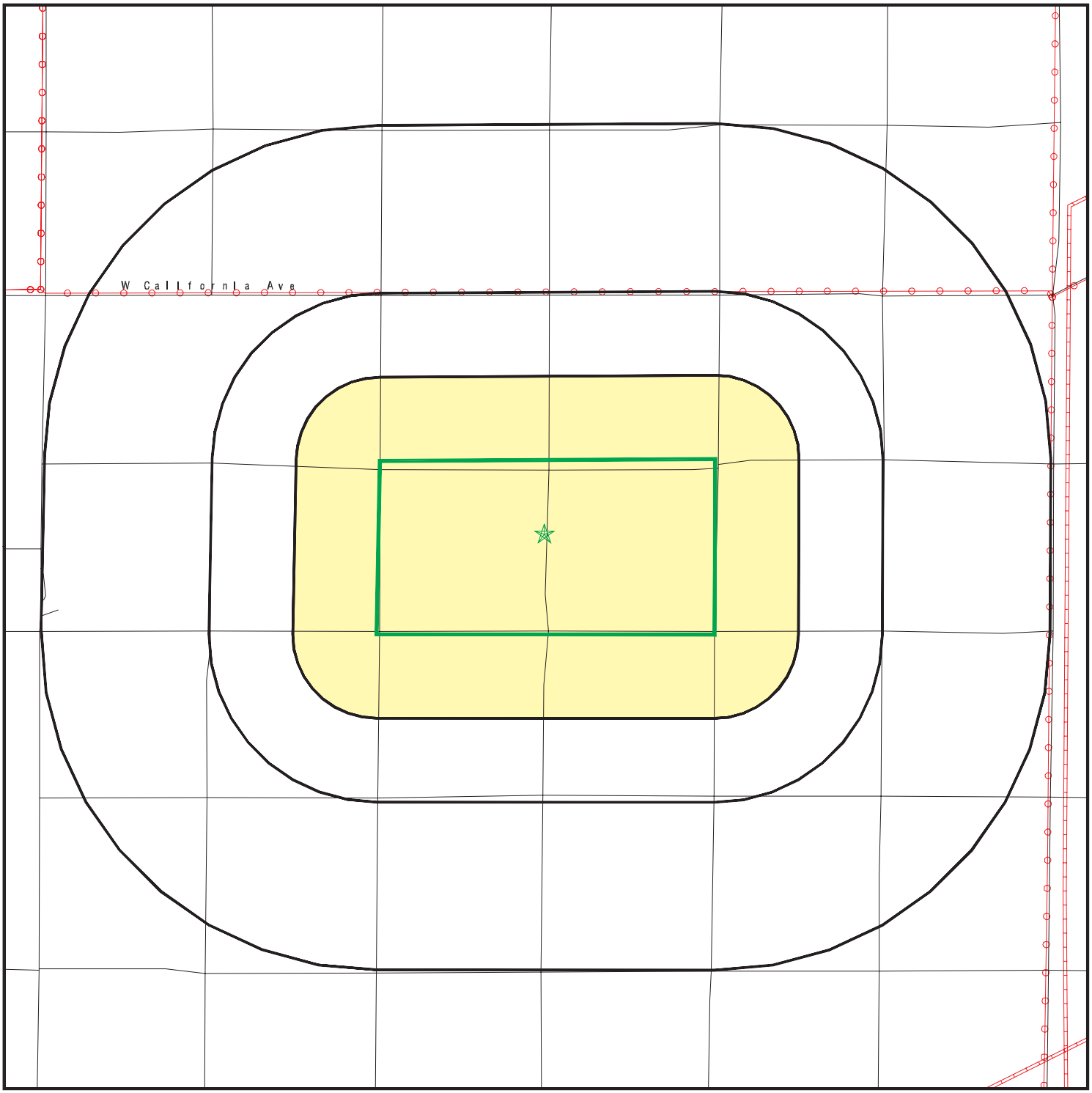
Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4400077.2S



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 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

Areas of Concern

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

SITE NAME: Little Bear 1 & 2	CLIENT: ARCADIS U.S., Inc.
ADDRESS: SEC W California Ave / San Bernardino Ave Mendota CA 93640	CONTACT: Janet Holtz INQUIRY #: 4400077.2s
LAT/LONG: 36.7096 / -120.4146	DATE: September 01, 2015 7:11 pm

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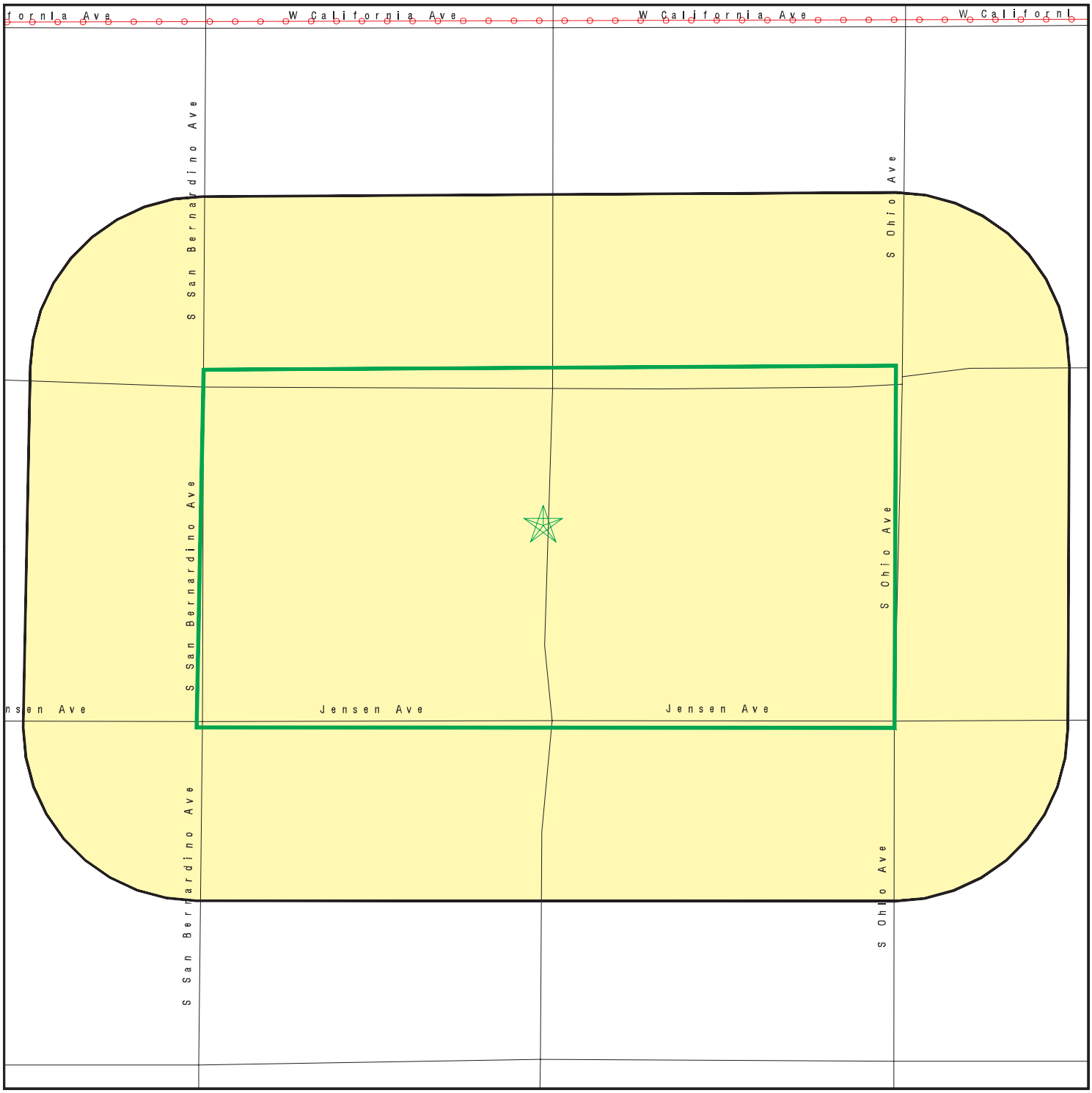
DETAIL MAP - 4400077.2S



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

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

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: Little Bear 1 & 2	CLIENT: ARCADIS U.S., Inc.
ADDRESS: SEC W California Ave / San Bernardino Ave Mendota CA 93640	CONTACT: Janet Holtz INQUIRY #: 4400077.2s
LAT/LONG: 36.7096 / -120.4146	DATE: September 01, 2015 7:15 pm

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
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
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
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
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
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
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	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								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST 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
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	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

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	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
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
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	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
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	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 LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	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: 07/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/19/2015
	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: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	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: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
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: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
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 inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 16

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
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
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 3: Leaking Underground Storage Tank Database

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

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
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: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

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

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
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
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.

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: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 07/13/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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: 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: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
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: 05/06/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

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: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

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: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds 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: 06/08/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
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: 03/23/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
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: 08/04/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 47

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
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: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
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: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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

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: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
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: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
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: 08/07/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

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: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
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: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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.

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: 06/11/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
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: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 06/08/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 35

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
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: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 06/15/2015
Date Data Arrived at EDR: 07/28/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 6

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/28/2015
Next Scheduled EDR Contact: 11/09/2015
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: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 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: 07/08/2015
Next Scheduled EDR Contact: 09/21/2015
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
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
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
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: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
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
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
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
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
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
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: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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
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: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

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: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
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: 07/17/2015
Next Scheduled EDR Contact: 10/28/2015
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: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

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: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
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: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
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: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
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: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
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.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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

DOT OPS: Incident and Accident Data

Department of Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
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: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-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: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2015
Next Scheduled EDR Contact: 10/19/2015
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
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.

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: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
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: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
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: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
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: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
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: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 18

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 02/18/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/12/2015
Number of Days to Update: 20

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 09/21/2015
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
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/24/2015
Next Scheduled EDR Contact: 11/09/2015
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: 05/18/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/17/2015
Next Scheduled EDR Contact: 10/28/2015
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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2015
Next Scheduled EDR Contact: 09/07/2015
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: 07/13/2015
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
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: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 05/07/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
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: 06/07/2015
Date Data Arrived at EDR: 06/10/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 34

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
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: 11/19/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 45

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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

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

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: 07/21/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/05/2015
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/21/2015
Date Data Arrived at EDR: 07/22/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 31

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
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: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 07/15/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 08/10/2015
Next Scheduled EDR Contact: 11/23/2015
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: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
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: 07/13/2015
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 20

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/09/2015
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: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
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: 08/07/2015
Next Scheduled EDR Contact: 11/23/2015
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: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
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: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
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: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 07/21/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 13

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/21/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 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: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Varies

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

Date of Government Version: 01/15/2015
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: 07/15/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 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: 07/17/2015
Next Scheduled EDR Contact: 11/02/2015
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: 03/03/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 16

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/27/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/03/2015
Date Data Arrived at EDR: 06/04/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 10/28/2015
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.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 17

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 10

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/01/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 33

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/30/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/16/2015
Number of Days to Update: 9

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 06/03/2015
Date Data Arrived at EDR: 06/04/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 48

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/11/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 08/05/2015
Number of Days to Update: 29

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 09/21/2015
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: 07/15/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/15/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
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: 05/07/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 10

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 10/19/2015
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: 05/07/2015
Date Data Arrived at EDR: 07/27/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 7

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 10/19/2015
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.

Date of Government Version: 06/30/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/10/2015
Next Scheduled EDR Contact: 11/23/2015
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: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 06/03/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite 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: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
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: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

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

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 10

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/10/2015
Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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: 07/20/2015
Date Data Arrived at EDR: 07/22/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 12

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/15/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

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

Date of Government Version: 06/10/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 06/29/2015
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: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 06/10/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/12/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 24

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/19/2015
Date Data Arrived at EDR: 06/24/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 20

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015
Date Data Arrived at EDR: 06/30/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 18

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 07/01/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 7

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 27

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 07/13/2015
Date Data Arrived at EDR: 07/28/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 6

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/24/2015
Next Scheduled EDR Contact: 11/09/2015
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: 06/26/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/19/2015
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
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
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: 04/27/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 14

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/27/2015
Next Scheduled EDR Contact: 11/09/2015
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: 05/27/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 07/08/2015
Date Data Arrived at EDR: 07/13/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 9

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/16/2015
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: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

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: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
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: 08/01/2015
Date Data Arrived at EDR: 08/06/2015
Date Made Active in Reports: 08/24/2015
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/16/2015
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: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 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: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Telephone: 281-546-1505
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
Telephone: 800-823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LITTLE BEAR 1 & 2
SEC W CALIFORNIA AVE / SAN BERNARDINO AVE
MENDOTA, CA 93640

TARGET PROPERTY COORDINATES

Latitude (North):	36.7096 - 36˚ 42' 34.56''
Longitude (West):	120.4146 - 120˚ 24' 52.56''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	730938.8
UTM Y (Meters):	4065571.5
Elevation:	206 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property 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).

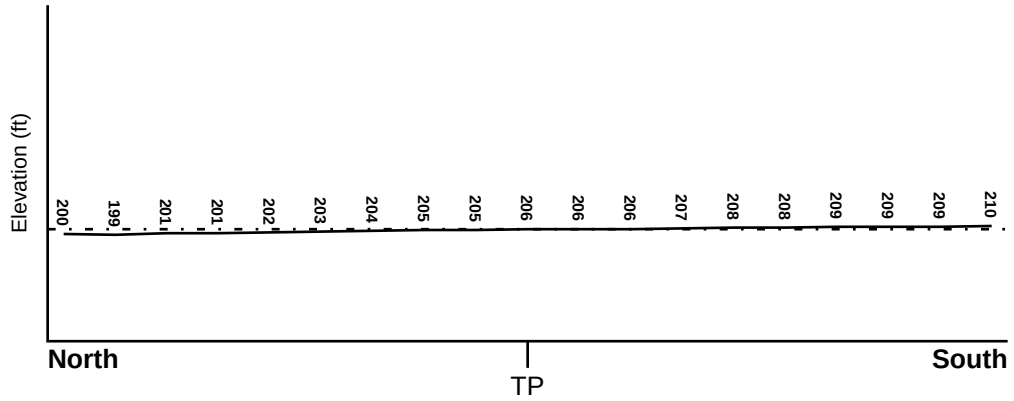
TOPOGRAPHIC INFORMATION

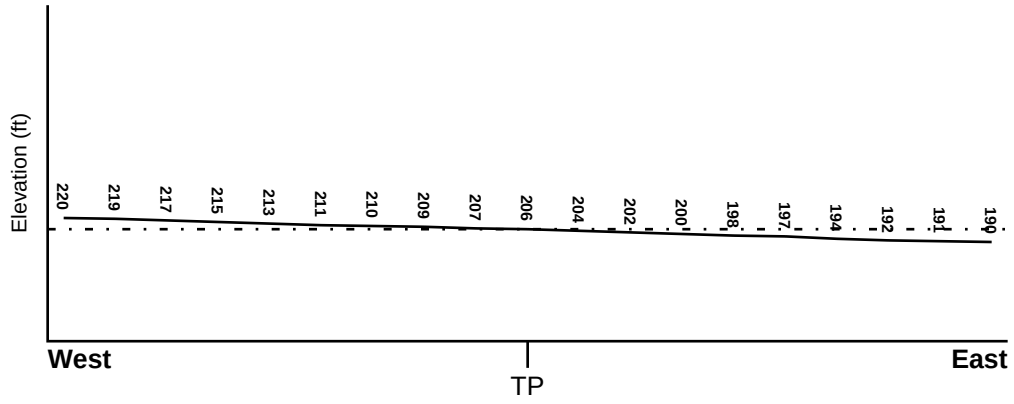
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

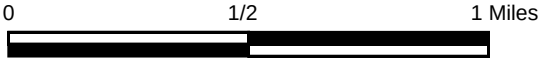
General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 206 ft.



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
FRESNO, CA	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

NWI Quad at Target Property	NWI Electronic Data Coverage
COIT RANCH	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

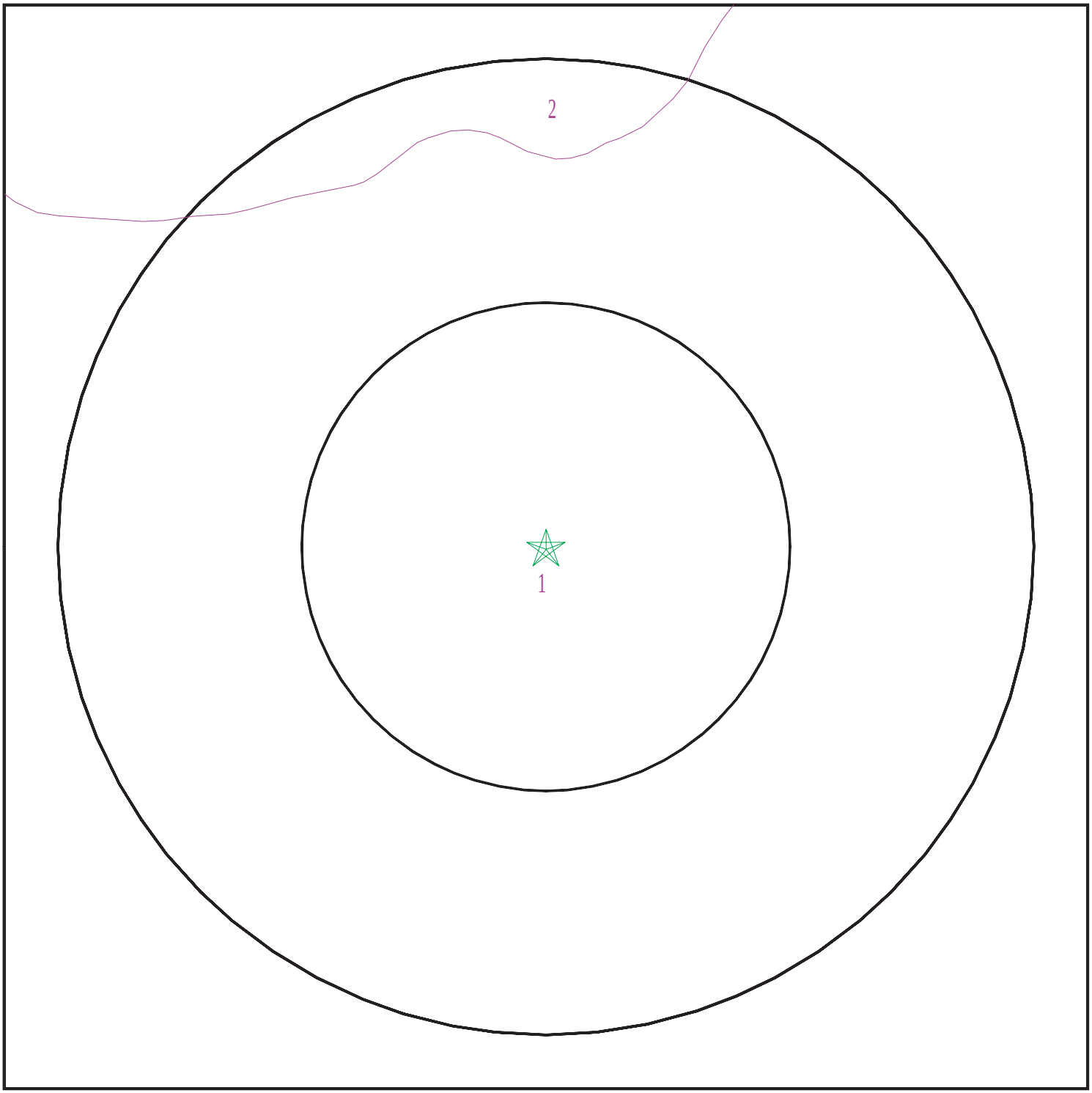
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 4400077.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Little Bear 1 & 2	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	SEC W California Ave / San Bernardino Ave Mendota CA 93640	CONTACT:	Janet Holtz
		INQUIRY #:	4400077.2s
LAT/LONG:	36.7096 / -120.4146	DATE:	September 01, 2015 7:16 pm

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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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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: 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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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	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	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
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	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	Max: 4 Min: 1.4	Max: 9 Min: 7.9
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	Max: 4 Min: 1.4	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

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000176776	1/4 - 1/2 Mile North
5	USGS40000176786	1/4 - 1/2 Mile NNE
B10	USGS40000176696	1/2 - 1 Mile ESE
B11	USGS40000176682	1/2 - 1 Mile ESE
C12	USGS40000176670	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
14	USGS40000176785	1/2 - 1 Mile NE
D16	USGS40000176791	1/2 - 1 Mile NE
D17	USGS40000176792	1/2 - 1 Mile NE
D18	USGS40000176793	1/2 - 1 Mile NE
E22	USGS40000176840	1/2 - 1 Mile NW
25	USGS40000176598	1/2 - 1 Mile SSW
F26	USGS40000176604	1/2 - 1 Mile SE
F27	USGS40000176597	1/2 - 1 Mile SE
28	USGS40000176878	1/2 - 1 Mile NNW
G29	USGS40000176873	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

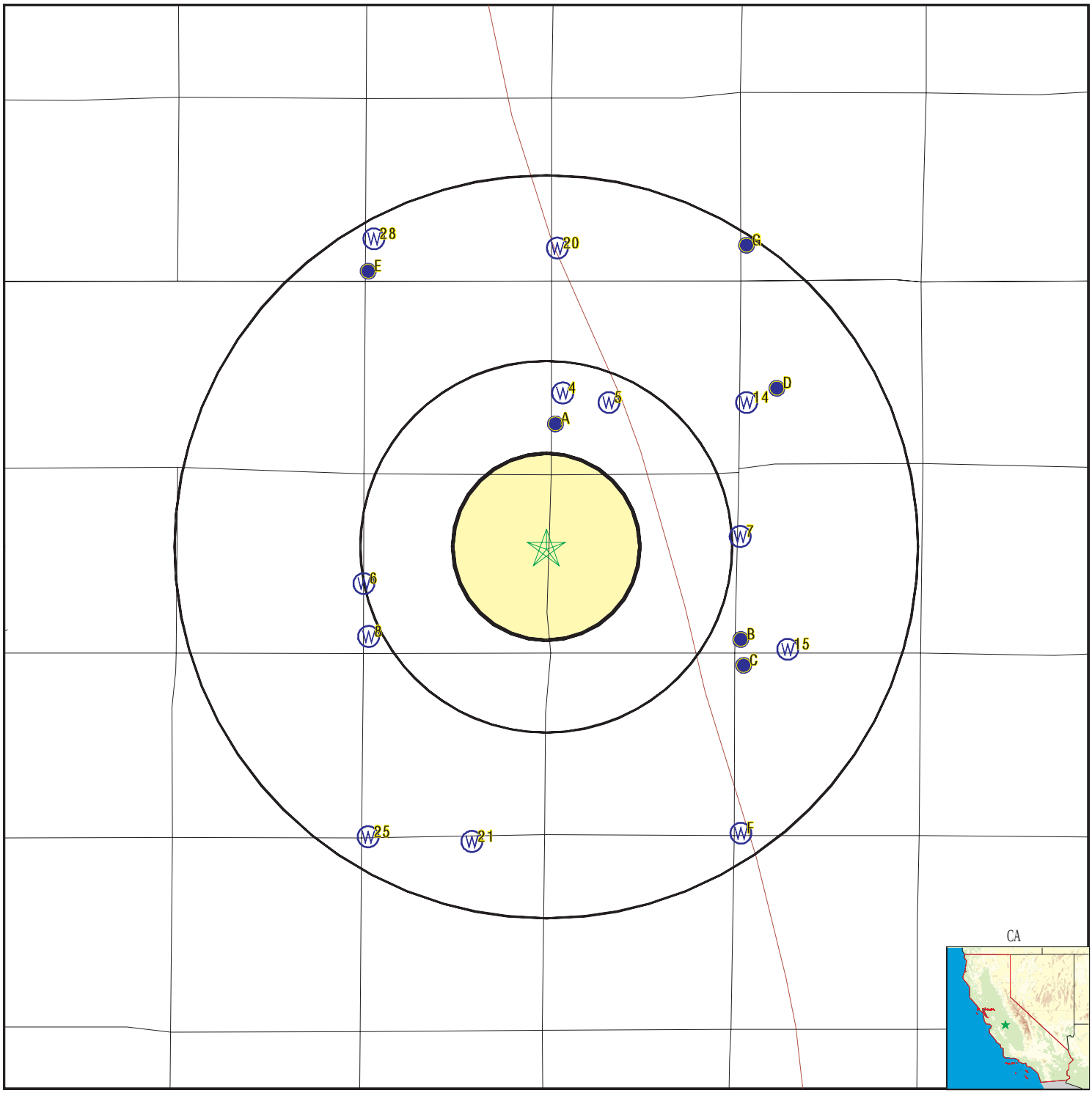
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADW60000015352	1/4 - 1/2 Mile North
A3	CADW60000007417	1/4 - 1/2 Mile North
4	CADW60000029276	1/4 - 1/2 Mile North
6	CADW60000000850	1/2 - 1 Mile WSW
7	CADW60000029274	1/2 - 1 Mile East
8	CADW60000029277	1/2 - 1 Mile WSW
B9	CADW60000029275	1/2 - 1 Mile ESE
C13	CADW60000029292	1/2 - 1 Mile ESE
15	CADW60000007416	1/2 - 1 Mile ESE
D19	CADW60000007415	1/2 - 1 Mile NE
20	CADW60000024571	1/2 - 1 Mile North
21	CADW60000007427	1/2 - 1 Mile SSW
E23	CADW60000006667	1/2 - 1 Mile NNW
E24	CADW60000024570	1/2 - 1 Mile NNW
G30	CADW60000006668	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 4400077.2s



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

0 1/4 1/2 1 Miles

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

N

SITE NAME:	Little Bear 1 & 2	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	SEC W California Ave / San Bernardino Ave Mendota CA 93640	CONTACT:	Janet Holtz
		INQUIRY #:	4400077.2s
LAT/LONG:	36.7096 / -120.4146	DATE:	September 01, 2015 7:15 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **North** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADW60000015352**

Objectid:	15352
Latitude:	36.7144
Longitude:	-120.4143
Site code:	367144N1204143W001
State well numbe:	14S14E14G004M
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:	CADW60000015352

A2 **North** **1/4 - 1/2 Mile** **Lower**		**FED USGS**	**USGS40000176776**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364252120244701		
Monloc name:	014S014E14G002M		
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:	36.7143948
Longitude:	-120.4140569	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:	201.00
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
1965-12-01	275.00	

Map ID Direction Distance Elevation	Database	EDR ID Number
A3 **North** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADW60000007417**

Objectid:	7417
Latitude:	36.7144
Longitude:	-120.4141
Site code:	367144N1204141W001
State well numbe:	14S14E14G003M
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:	CADW60000007417

---

4 **North** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADW60000029276**

Objectid:	29276
Latitude:	36.7156
Longitude:	-120.4138
Site code:	367156N1204138W001
State well numbe:	14S14E14G002M
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:	CADW60000029276

---

5 **NNE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40000176786**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364255120243801		
Monloc name:	014S014E14G001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.7152281
Longitude:	-120.4115568	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:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19471110	Welldepth:	1007
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
WSW **CA WELLS** **CADW60000000850**
1/2 - 1 Mile
Higher

Objectid:	850
Latitude:	36.708163
Longitude:	-120.423429
Site code:	367082N1204234W001
State well numbe:	14S14E14N005M
Local well name:	’14S/14E-14N05’
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:	CADW60000000850

7
East **CA WELLS** **CADW60000029274**
1/2 - 1 Mile
Lower

Objectid:	29274
Latitude:	36.71
Longitude:	-120.4052
Site code:	367100N1204052W001
State well numbe:	14S14E13M001M
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:	CADW60000029274

Map ID Direction Distance Elevation	Database	EDR ID Number
8 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000029277**

Objectid:	29277
Latitude:	36.7061
Longitude:	-120.4232
Site code:	367061N1204232W001
State well numbe:	14S14E14N003M
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:	CADW60000029277

B9 **ESE** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000029275**

Objectid:	29275
Latitude:	36.7064
Longitude:	-120.4052
Site code:	367064N1204052W001
State well numbe:	14S14E13N001M
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:	CADW60000029275

B10 **ESE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000176696**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364222120241501		
Monloc name:	014S014E13N001M		
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:	36.7060614
Longitude:	-120.4051674	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:	196.00
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
1950-12-01	72.00	

B11
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176682**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364220120241501		
Monloc name:	014S014E13N002M		
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:	36.7055058
Longitude:	-120.4051674	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:	196.00
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: 0

C12
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176670**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364218120241501		
Monloc name:	014S014E24D001M		
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:	36.7049503
Longitude:	-120.4051673	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:	196.00
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:	19600327	Welldepth:	1054
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	305.00	

C13
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000029292**

Objectid:	29292
Latitude:	36.705
Longitude:	-120.4049
Site code:	367050N1204049W001
State well numbe:	14S14E24D001M
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:	CADW60000029292

14
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176785**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364255120241401		
Monloc name:	014S014E13E001M		
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:	36.7152281
Longitude:	-120.4048899	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:	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
1966-08-01	6.00	

15
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000007416**

Objectid:	7416
Latitude:	36.7056
Longitude:	-120.4029
Site code:	367056N1204029W001
State well numbe:	14S14E13N003M
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:	CADW60000007416

D16
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176791**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240901		
Monloc name:	014S014E13E002M		
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:	36.7157836
Longitude:	-120.403501	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:	191.00
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:	19620228	Welldepth:	10
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D17
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176792**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240902		
Monloc name:	014S014E13E003M		
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:	36.7157836
Longitude:	-120.403501	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:	191.00
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:	19630529	Welldepth:	499
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-05-01	175.00	

D18
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176793**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240903		
Monloc name:	014S014E13E004M		
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:	36.7157836
Longitude:	-120.403501	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:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D19
NE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000007415**

Objectid:	7415
Latitude:	36.7158
Longitude:	-120.4032
Site code:	367158N1204032W001
State well numbe:	14S14E13E003M
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:	CADW60000007415

Map ID Direction Distance Elevation	Database	EDR ID Number
20 **North** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000024571**

Objectid:	24571
Latitude:	36.721254
Longitude:	-120.414058
Site code:	367214N1204143W001
State well numbe:	14S14E11Q001M
Local well name:	'14S/14E-11Q01'
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:	CADW60000024571

---

21 **SSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000007427**

Objectid:	7427
Latitude:	36.6981
Longitude:	-120.4182
Site code:	366981N1204182W001
State well numbe:	14S14E23E001M
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:	CADW60000007427

E22 **NW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000176840**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364312120252101		
Monloc name:	014S014E14D001M		
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:	36.7199504
Longitude:	-120.4235018	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:	211.00
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:	19670508	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
1967-05-01	11.00	

E23
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADW60000006667**

Objectid:	6667
Latitude:	36.720289
Longitude:	-120.423072
Site code:	367203N1204227W001
State well numbe:	14S14E11N007M
Local well name:	’14S/14E-11N07’
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:	CADW60000006667

E24
NNW
1/2 - 1 Mile
Higher

CA WELLS **CADW60000024570**

Objectid:	24570
Latitude:	36.720825
Longitude:	-120.423104
Site code:	367206N1204232W001
State well numbe:	14S14E11N003M
Local well name:	’14S/14E-11N03’
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:	CADW60000024570

25
SSW **FED USGS** **USGS40000176598**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364154120252001		
Monloc name:	014S014E23E001M		
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:	36.6982837
Longitude:	-120.4232232	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:	214.00
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:	19571101	Welldepth:	1115
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	347.00	

F26
SE **FED USGS** **USGS40000176604**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364155120241501		
Monloc name:	014S014E24E002M		
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:	36.6985614
Longitude:	-120.405167	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:	198.00
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:	19570514	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
1968-12-01	273.00	

F27
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176597**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364154120241501		
Monloc name:	014S014E24E001M		
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:	36.6982836
Longitude:	-120.405167	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:	198.00
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:	903
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	206.00	

28
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176878**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364318120251901		
Monloc name:	014S014E11N001M		
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:	36.721617
Longitude:	-120.4229463	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:	205.00
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:	Not Reported	Welldepth:	696
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

G29
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176873**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364317120241401		
Monloc name:	014S014E12N001M		
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:	36.7213391
Longitude:	-120.4048902	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:	191.00
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:	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
1960-05-01	247.00	

G30
NNE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000006668**

Objectid:	6668
Latitude:	36.7214
Longitude:	-120.4049
Site code:	367214N1204049W001
State well numbe:	14S14E12N001M
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:	CADW60000006668

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.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

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

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ARCADIS

Appendix D

Historical Topographic Maps and Aerial Photographs

Little Bear 1 & 2
SEC W California Ave / San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4400077.5
September 04, 2015

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

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with any questions or comments.

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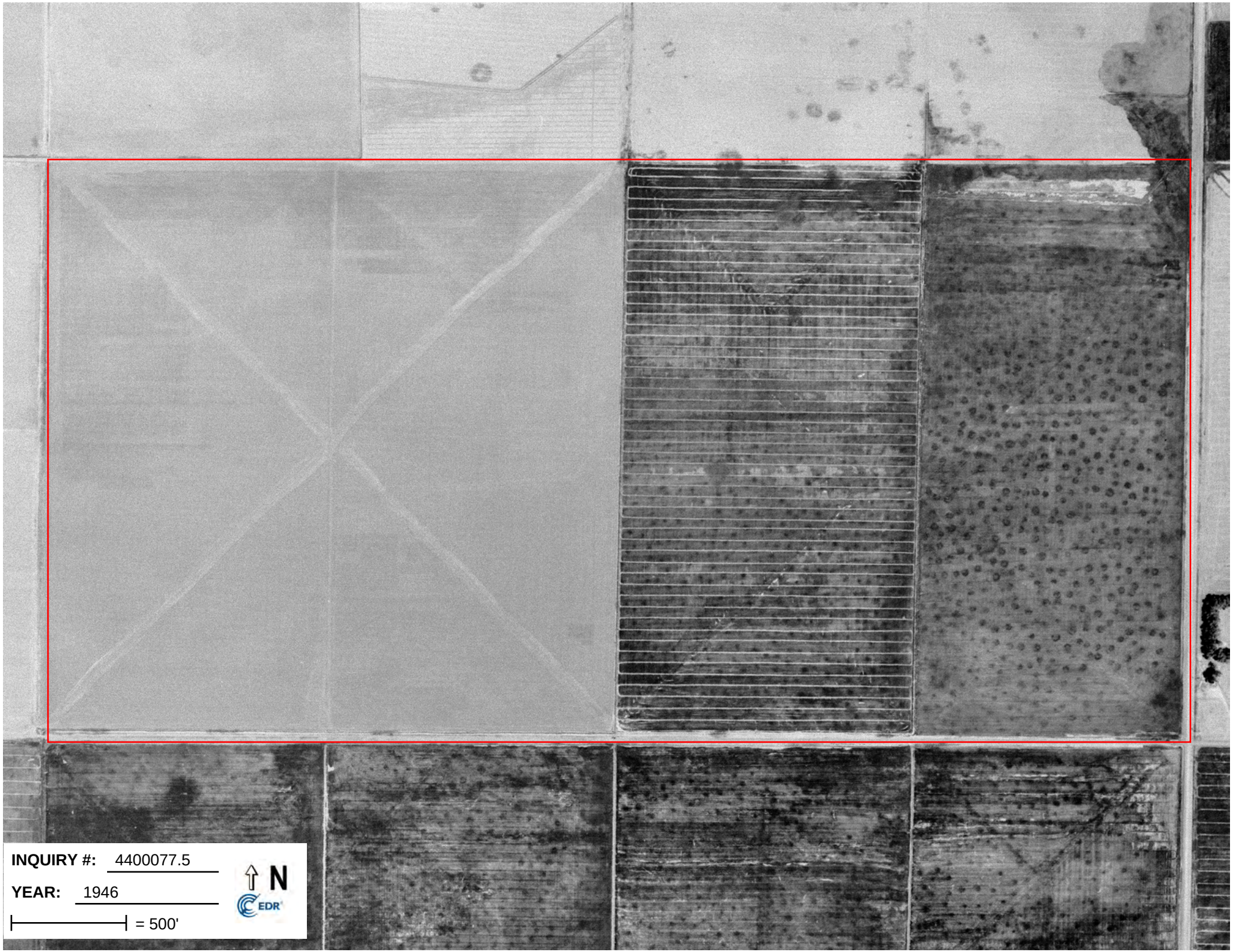
Date EDR Searched Historical Sources:

Aerial Photography September 04, 2015

Target Property:

SEC W California Ave / San Bernardino Ave
Mendota, CA 93640

Year	***Scale***	***Details***	***Source***
1946	Aerial Photograph. Scale: 1"=500'	Flight Year: 1946	USGS
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	Cartwright
1965	Aerial Photograph. Scale: 1"=500'	Flight Year: 1965	Cartwright
1975	Aerial Photograph. Scale: 1"=500'	Flight Year: 1975	NASA
1981	Aerial Photograph. Scale: 1"=500'	Flight Year: 1981	USGS
1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987	USGS
1998	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1998	USGS/DOQQ
1998	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1998	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP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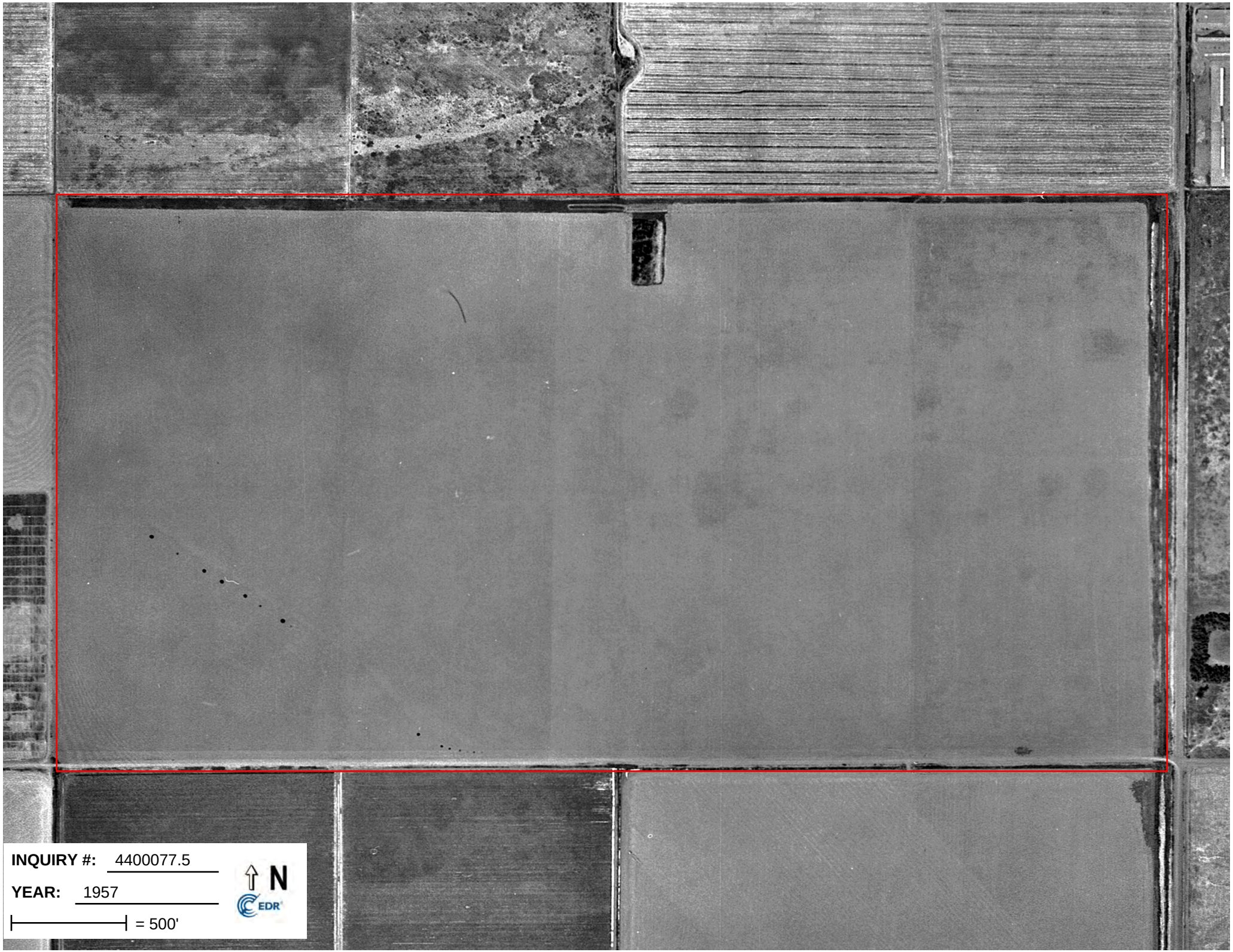
EDR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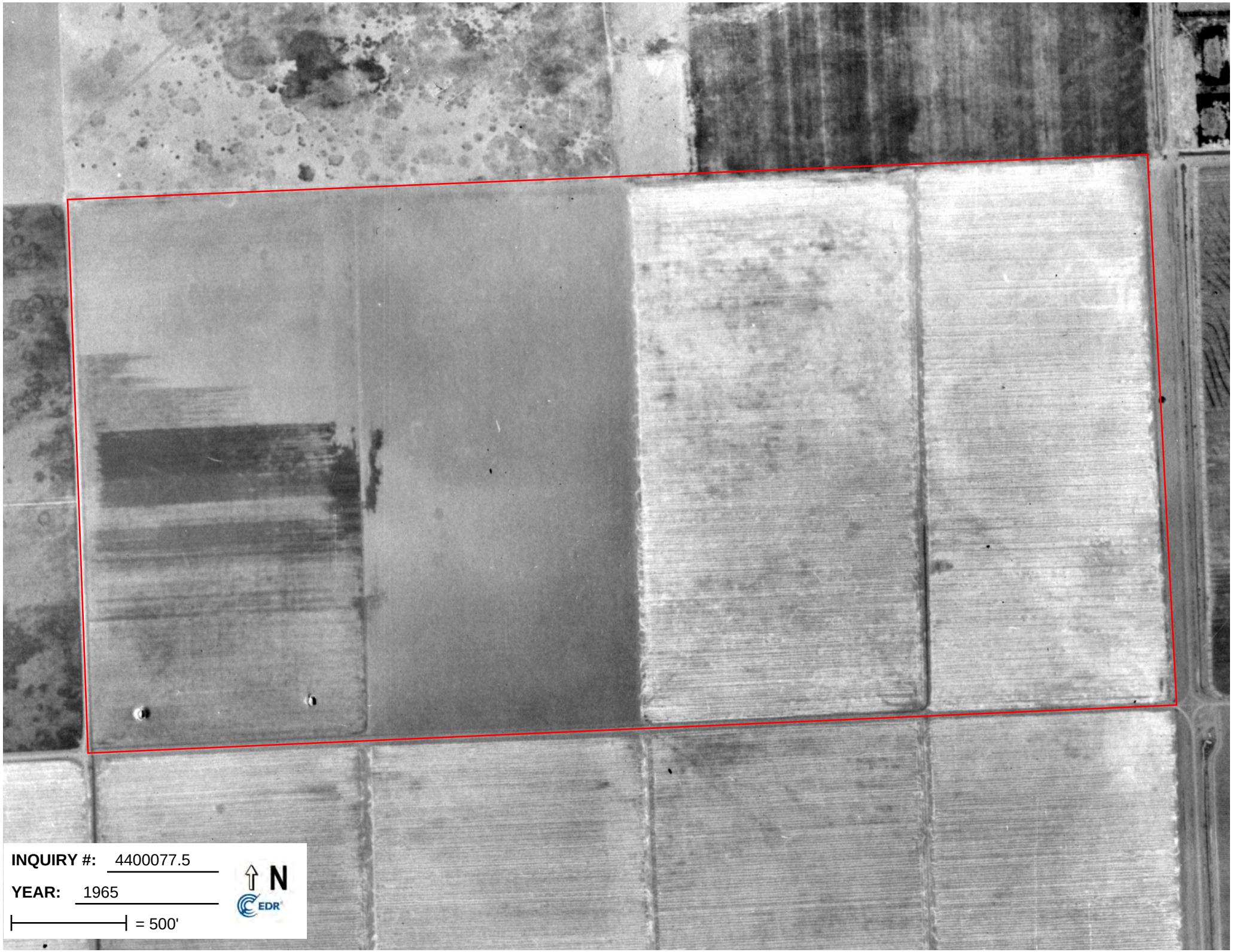
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YEAR: 1965
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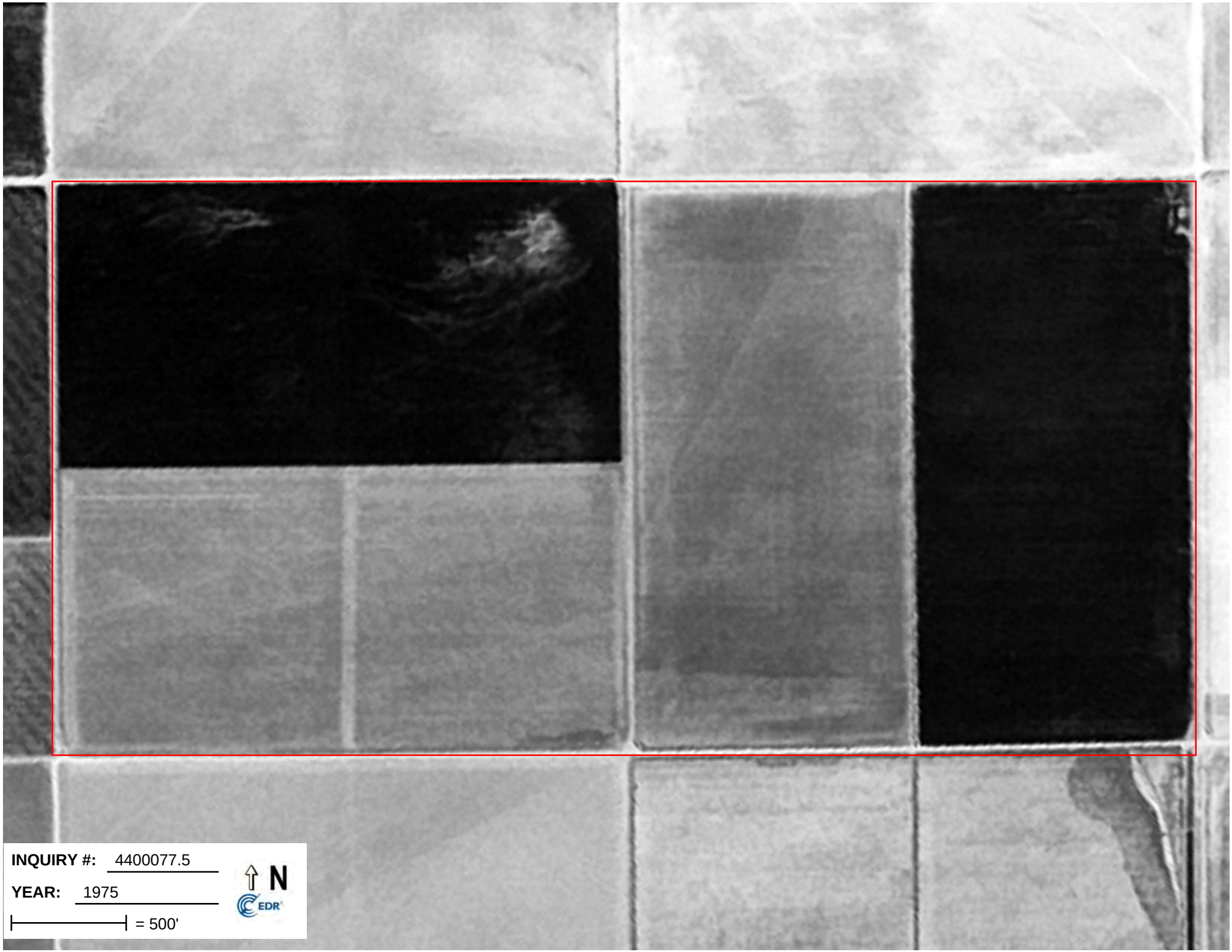
EDR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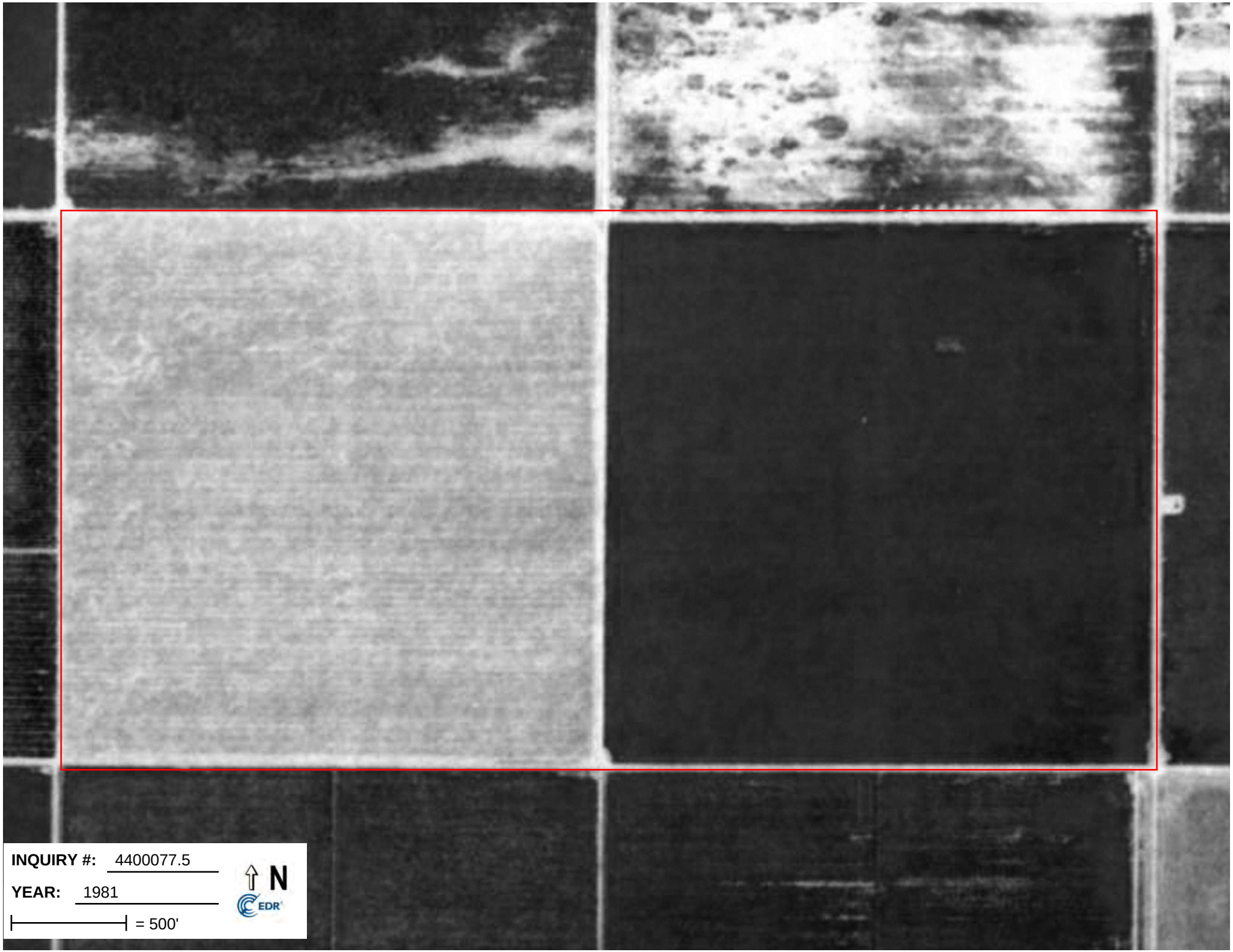
EDR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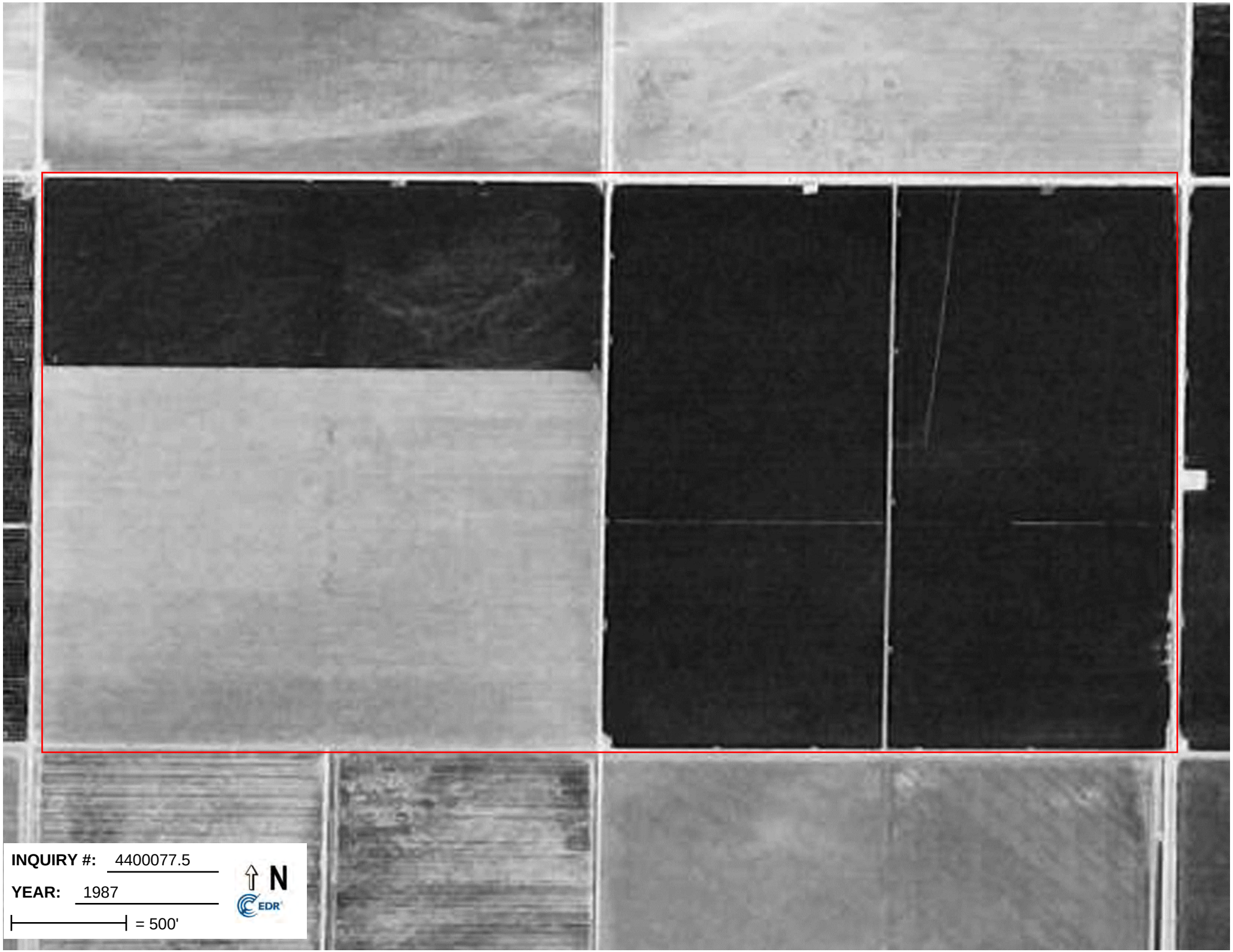
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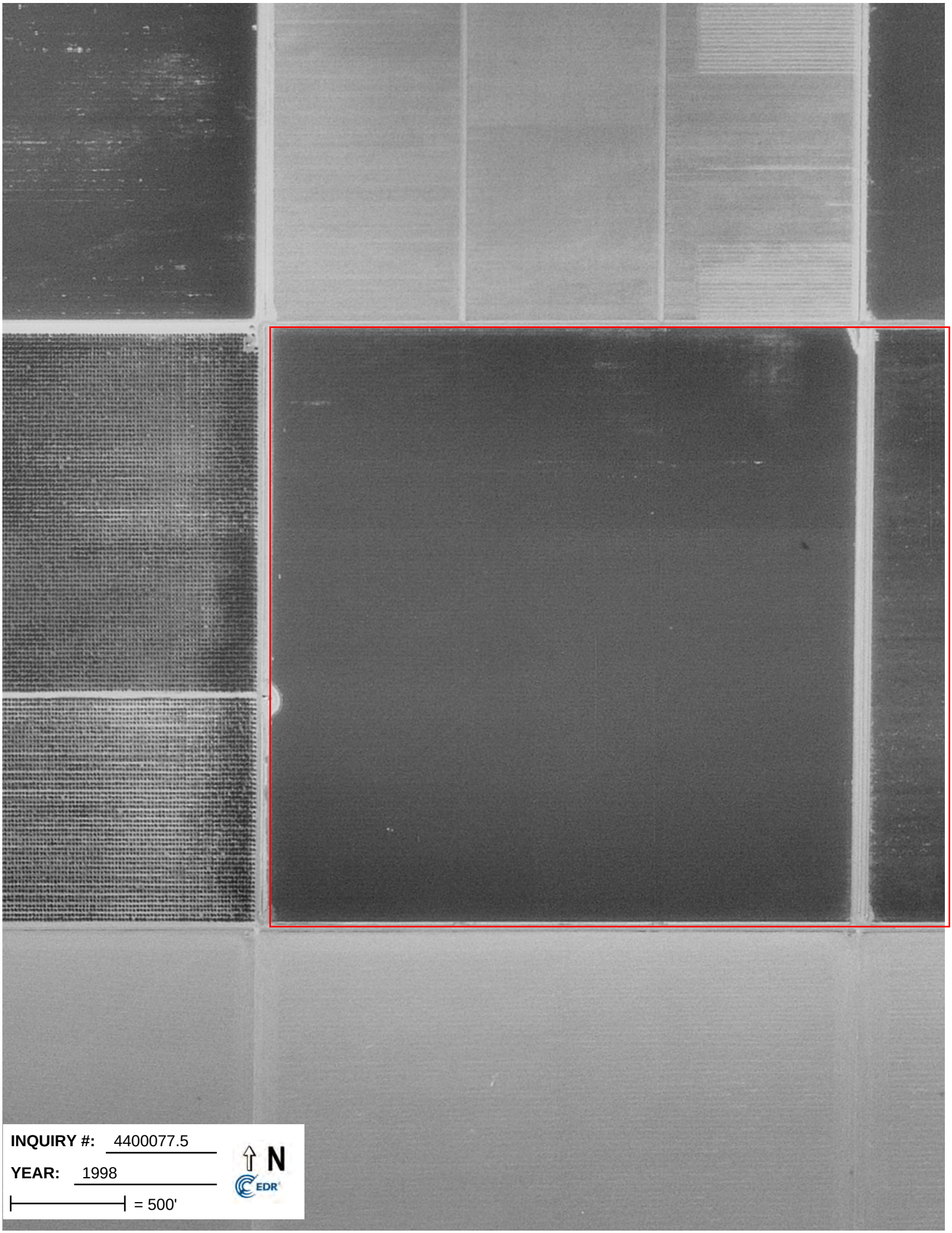
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YEAR: 1998
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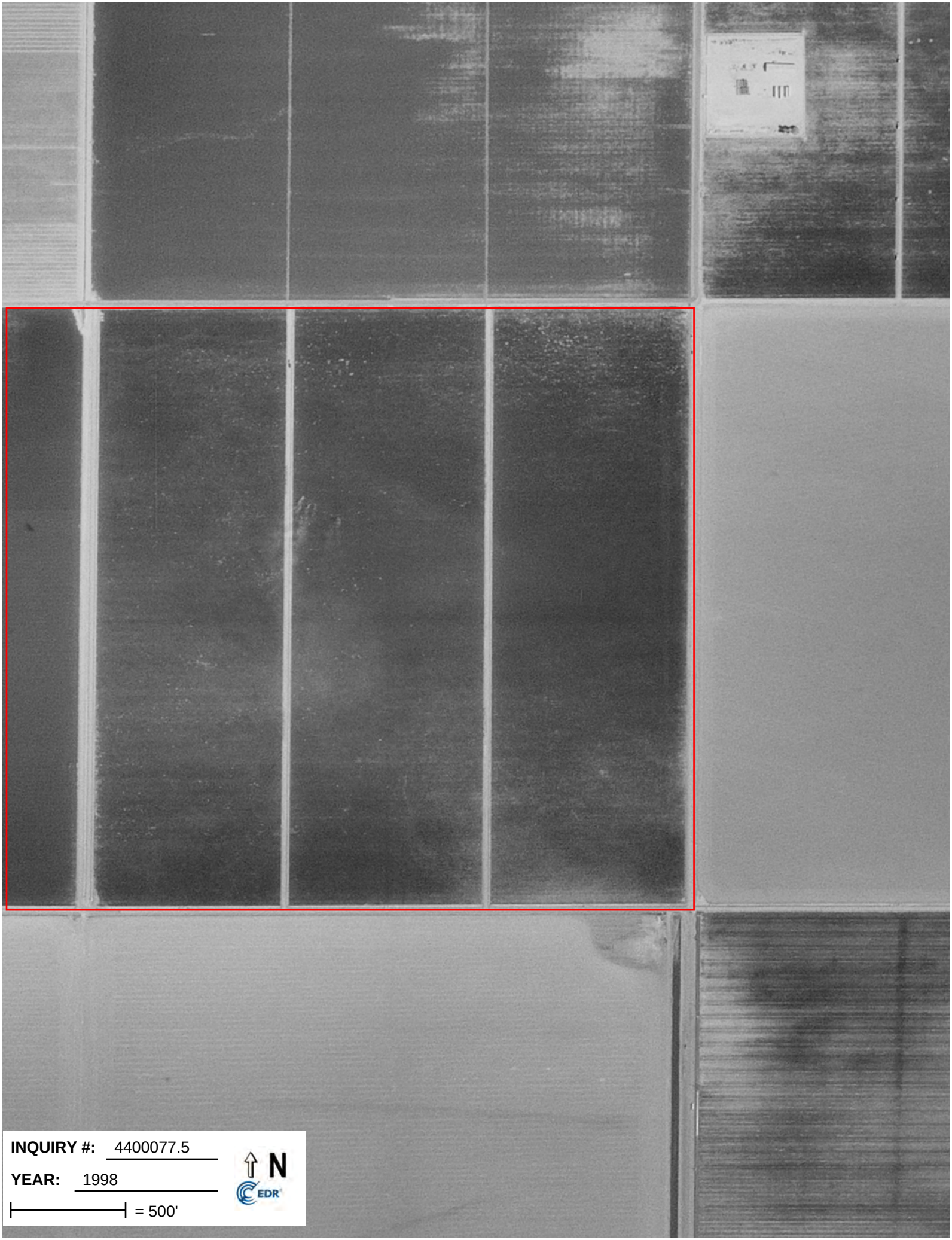
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YEAR: 2005
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EDR

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YEAR: 2006
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EDR

INQUIRY #: 4400077.5
YEAR: 2006
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EDR

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YEAR: 2010
= 500'
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EDR

INQUIRY #: 4400077.5
YEAR: 2012
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EDR

INQUIRY #: 4400077.5

YEAR: 2012

= 500'

N

EDR

Little Bear 1 & 2
SEC W. California Ave/San Bernardino Ave
Mendota, CA 93640

Inquiry Number: 4352240.4
July 13, 2015

EDR Historical Topographic Map Report

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EDR Historical Topographic Map Report

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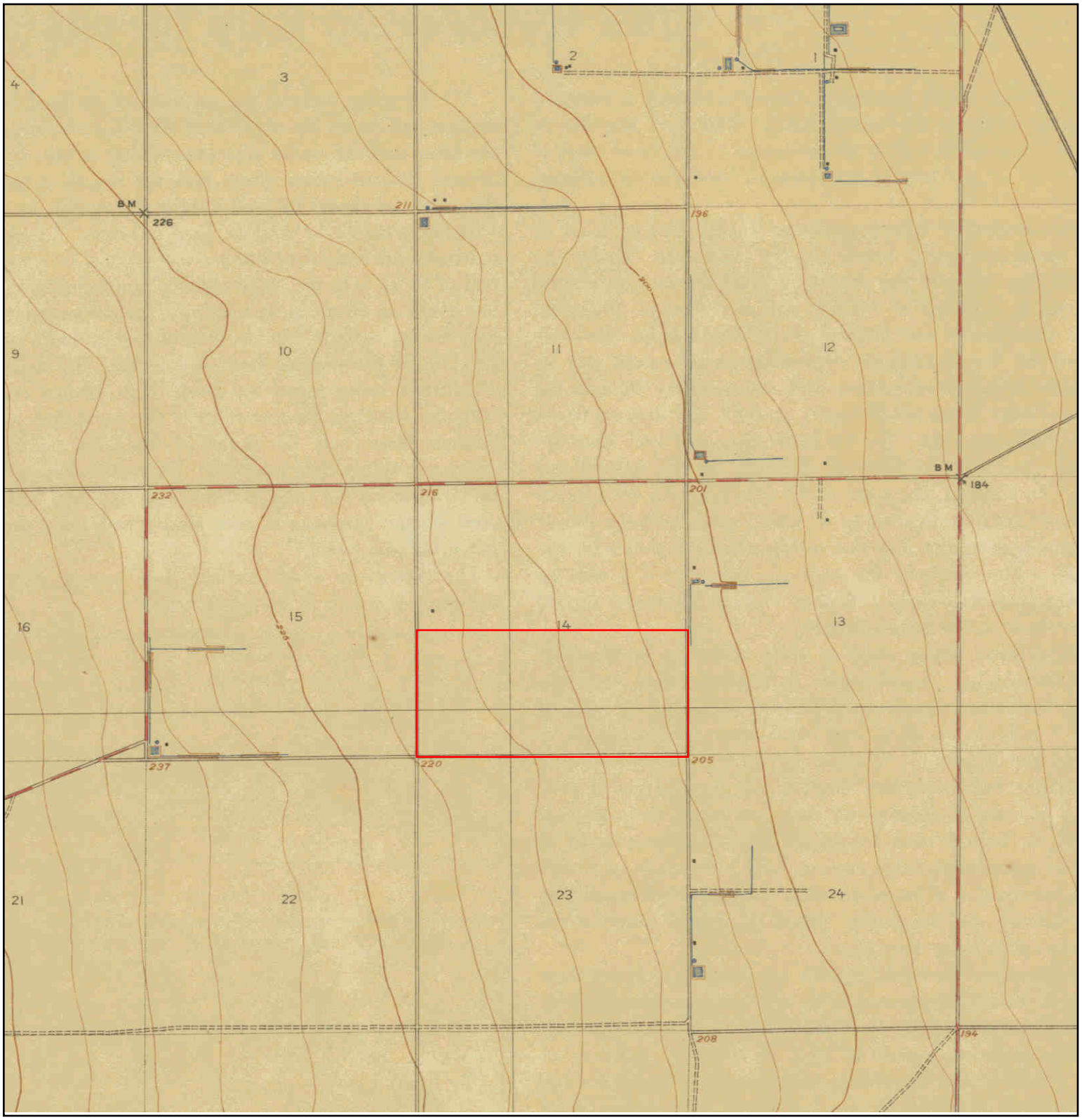
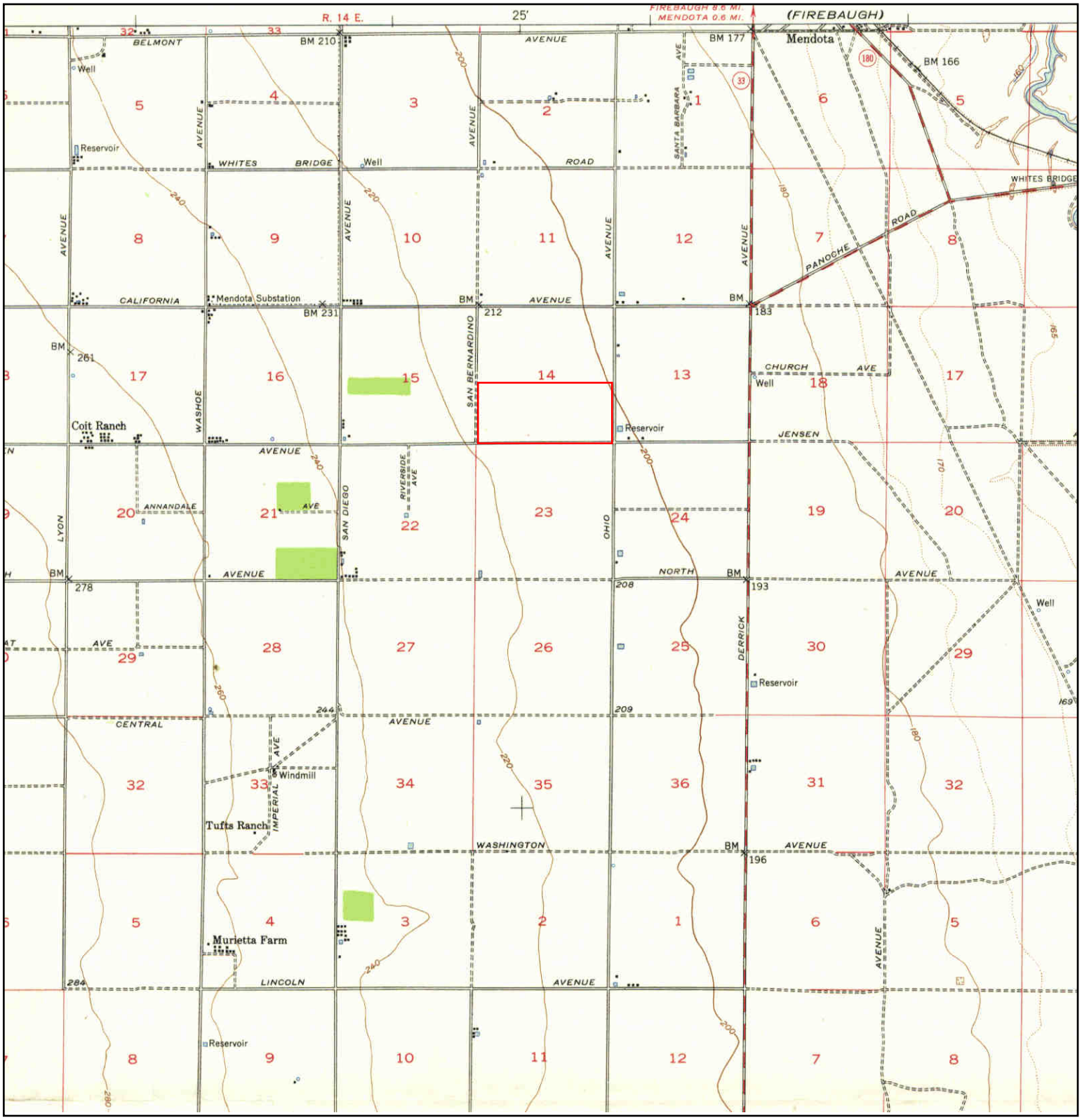
Historical Topographic Map



N	TARGET QUAD NAME: TUFTS RANCH=COIT RANCH MAP YEAR: 1922 SERIES: 7.5 SCALE: 1:31680	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



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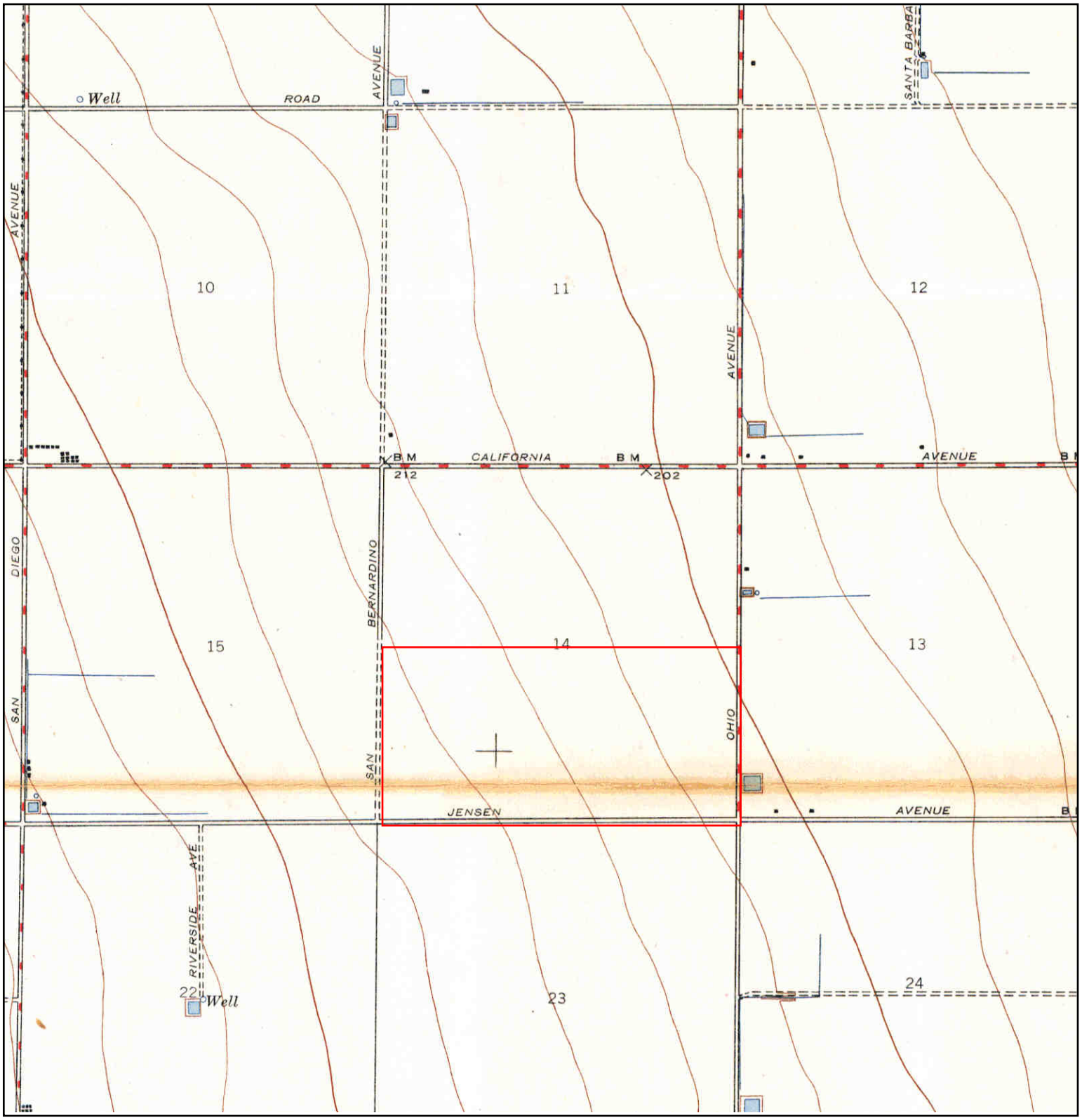
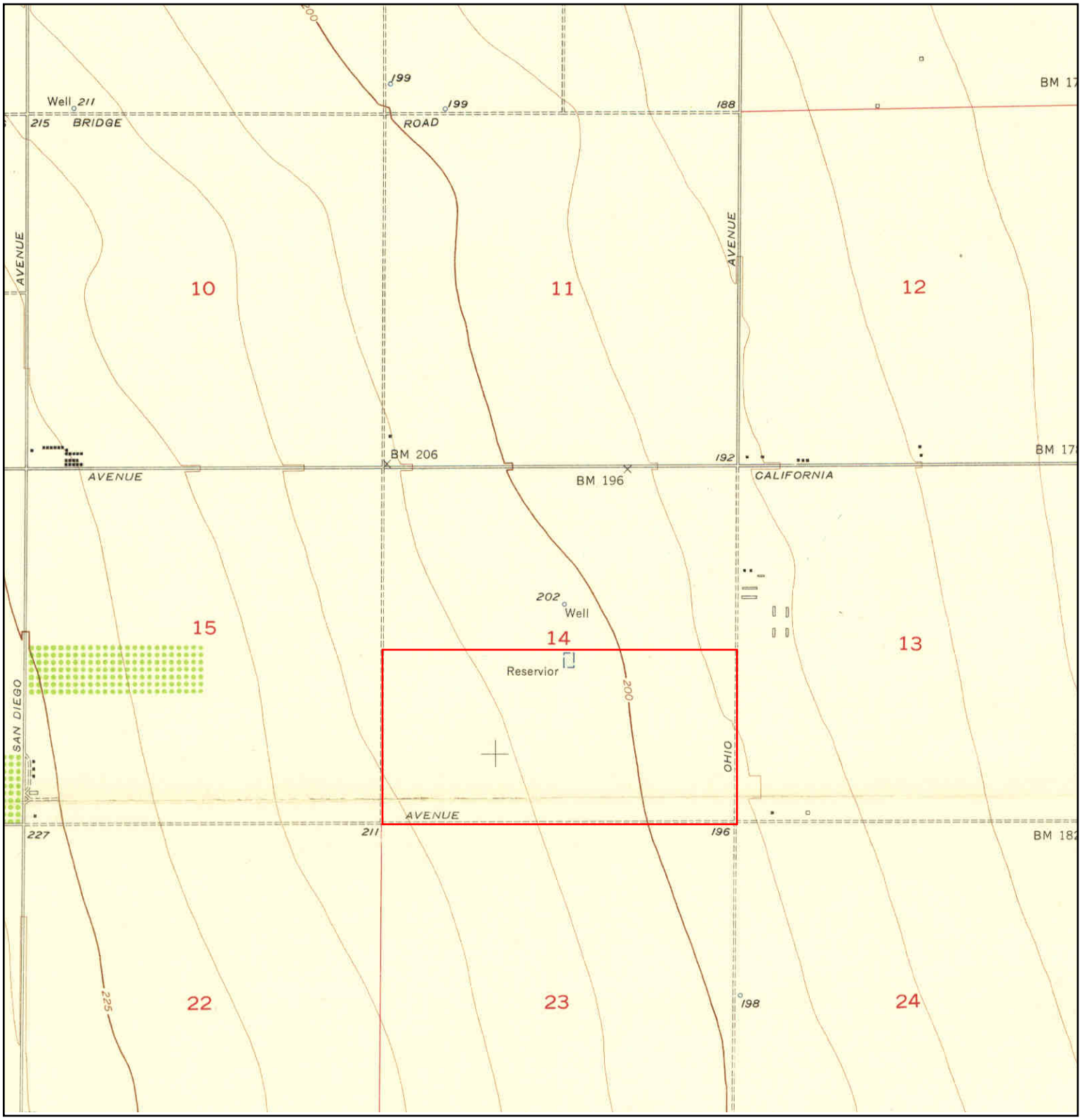
Historical Topographic Map



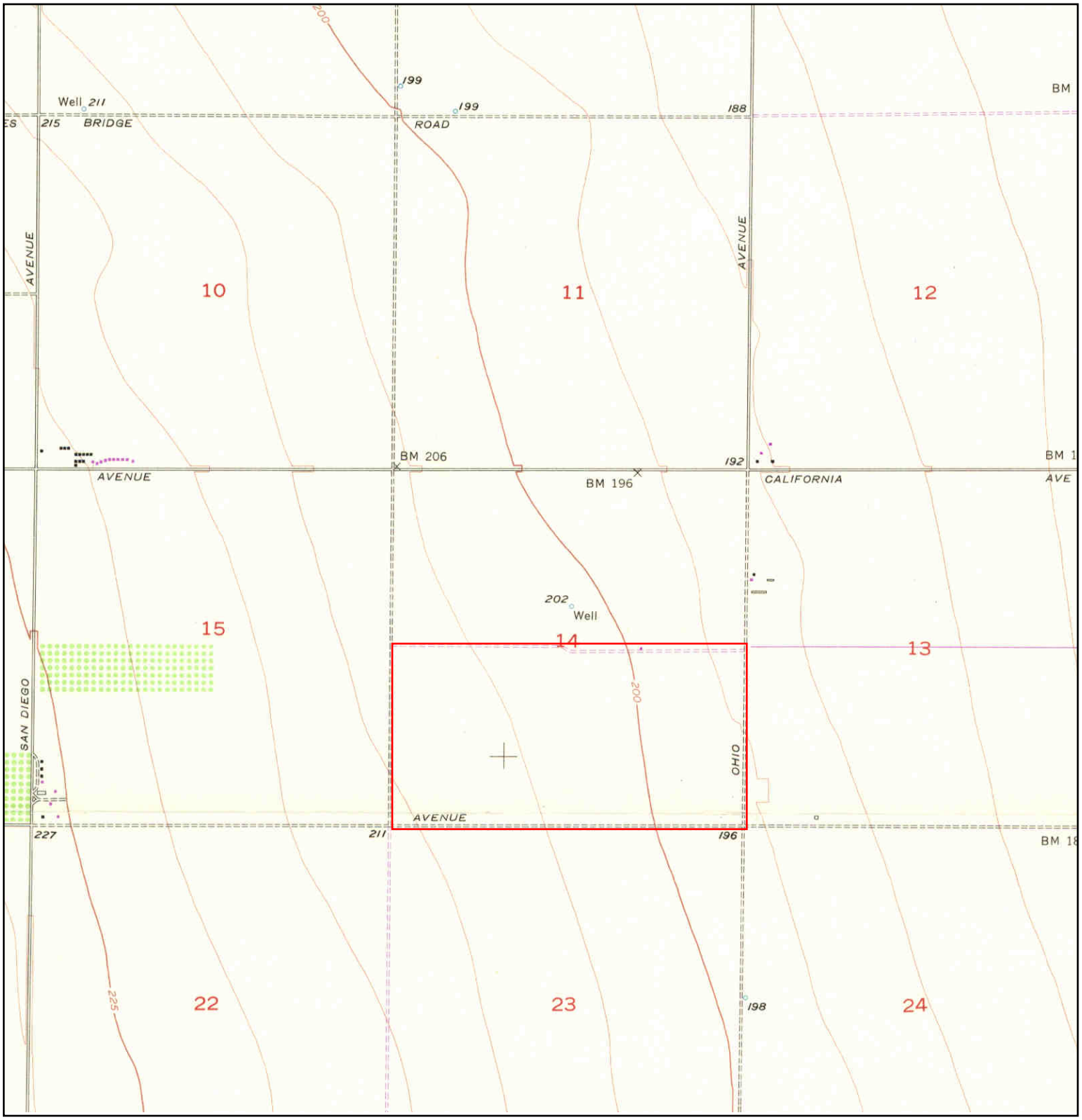
N	TARGET QUAD NAME: TUFTS RANCH MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



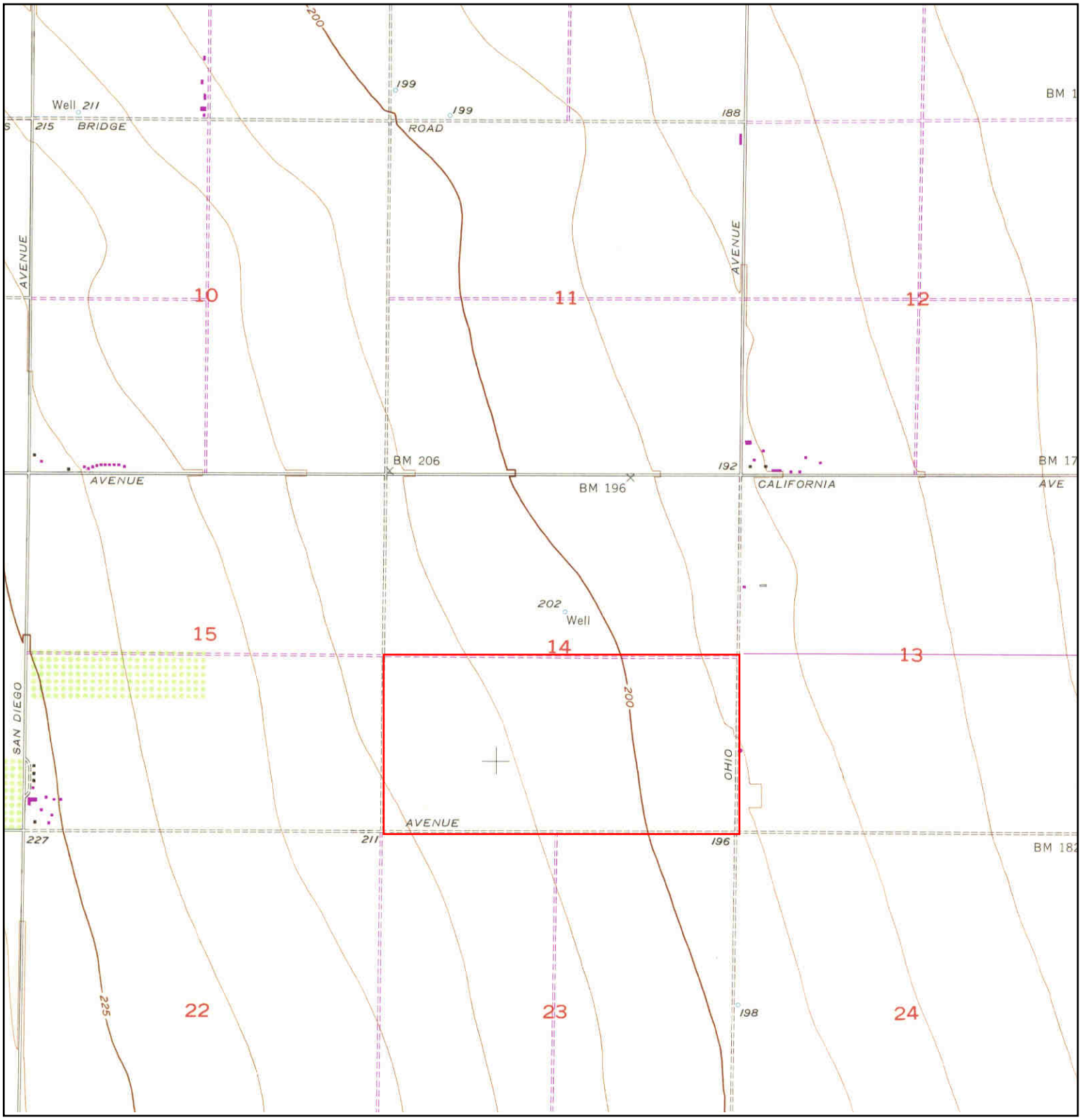
N	TARGET QUAD NAME: COIT RANCH MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



N	TARGET QUAD NAME: COIT RANCH MAP YEAR: 1971 PHOTOREVISED FROM :1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Historical Topographic Map



N	TARGET QUAD NAME: COIT RANCH MAP YEAR: 1984 PHOTOREVISED FROM :1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Little Bear 1 & 2 ADDRESS: SEC W. California Ave/San Bernardino Ave Mendota, CA 93640 LAT/LONG: 36.7162 / -120.4144	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY#: 4352240.4 RESEARCH DATE: 07/13/2015

Appendix E

Prior Reports

BSK

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FAX (559) 497-2886

VIA HAND-DELIVERY **BSK E03.132.01F**

August 19, 2003

Mr. Russ Freeman
WESTLANDS WATER DISTRICT
3130 North Fresno Street
Fresno, California 93703

SUBJECT: Limited Phase I Environmental Site Assessment Report
31,500 Acres of Farmland within the Westlands Water District
Fresno County, California
Westlands W.D. RFP #03-402

Dear Mr. Freeman:

BSK Associates has conducted a Limited Phase I Environmental Site Assessment (LESA) of the various agricultural properties within the Westlands Water District (Westlands) in accordance with the scope of services presented in BSK's proposal E03.132.01F, dated June 25, 2003.

We appreciate this opportunity to be of continuing service to Westlands Water District. Please contact us if you have questions concerning the report.

Sincerely,
BSK ASSOCIATES

C. Scott Smith, P.E.
Senior Environmental Engineer

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT SMITH
No. 040118
Exp. 3/31/06
CIVIL
STATE OF CALIFORNIA

Amer A. Hussain, P.E.
Regional Manager

CSS/AAH/mlt

Enclosure: ESA Report

Distribution: Mr. Russ Freeman (1 unbound original, 3 bound originals, pdf copy)
BSK File 310 (1 original)

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LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
31,500 ACRES OF FARMLAND WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA
WESTLANDS W.D. (RFP #03-402)

1.0 INTRODUCTION

This report presents the results of the Limited Phase I Environmental Site Assessment (LESA) of approximately 33,400 acres of agricultural properties (Site properties) within the Westlands Water District (Westlands) in Fresno County. The LESA was conducted for Westlands in accordance with the scope of services presented in BSK proposal E0313201F dated June 25, 2003.

The ESA was conducted in conjunction with the Peck Settlement. The Site properties have been divided into three transfer closings (Phases 2, 3 and 4). The Phase I of the property transfers were previously completed. In some cases, a given parcel is contained in more than one phase awaiting a determination of which transfer closing to be included in. The purchase of the Phase 2 properties is scheduled to occur in late 2003 with Phases 3 and 4 to follow in 2004 and 2005, respectively. The focus of the LESA was on conditions at the Phase 2 properties. Follow-up reviews of the Phase 3 and 4 properties will occur as the purchase date draws nearer to evaluate changes in conditions since the time of this LESA.

2.0 OBJECTIVE

The objective of the LESA was to identify and evaluate conditions at the Site properties, and adjacent properties, with regard to possible sources of recognized environmental conditions which may have impacted the Site. Recognized environmental conditions (RECs) are defined by the American Society for Testing and Materials (ASTM) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM, 2000).[1]

[1] The term "recognized environmental condition" includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

3.0 SCOPE OF ASSESSMENT

BSK's scope of services for the ESA consisted of the following:

- Acquire and review available information regarding historical land-use and development of the Site properties, including historical aerial photographs and land-use maps, and interview of property owner/lessee representatives.

- Acquire and review available information regarding the physical setting of the Site properties, including topographic, soils and groundwater maps.

- Review readily available State and Federal sources of known or potential hazardous waste sites, and inquire with local regulatory agencies for information regarding environmental permits, underground storage tank registration, environmental violations or incidents, and the status of known environmental impairments and enforcement actions at the Site and adjacent properties.

- Perform a reconnaissance of the Site properties including photographic documentation of general Site conditions and recognized environmental conditions, if present.

- Review of properties adjacent to the Site properties for indications of conditions that may have caused environmental impairment to the Site properties, as observable from the Site properties, public roads and farm roads,

- Prepare a report of the findings and conclusions.

While the LESA was generally conducted in accordance with the ASTM Standard referenced herein, it did not necessarily strictly adhere to all aspects of the standard. BSK's scope of services for the LESA did not include review information or conditions pertaining to properties beyond those immediately adjacent to the Site; acquisition of title documents; collection or analysis of soil, air, or building material, samples; nor evaluation of lead-based paint, or radon gas.

4.0 SITE LOCATION AND DESCRIPTION

The Site properties are generally located along the west side of Fresno County in areas extending from north of Mendota to south of Five Points. Collectively, the Site properties consist of about 33,400 acres of largely cropland, fallow land, farm land removed from production, farm roads, farming operation yards, and farm labor residences.

Appendix A includes the following:

- A map showing the locations/geographic coordinates for each of the properties.

- Maps, organized by family of ownership, indicating approximate parcel boundaries and geographic coordinates.

- A tabular listing of the properties by owner and Assessor's Parcel Number with a description of the number of acres involved in each phase. In cases where multiple phases are indicated for a given parcel, the actual number of acres involved in each transfer has not been determined.

5.0 PHYSIOGRAPHY, GROUNDWATER

5.1 Physiographic

The Site properties are located in the south-central portion of the San Joaquin Valley. The San Joaquin Valley, which forms approximately the southern half of the Great Central Valley of California, is a gently sloping, nearly unbroken alluvial plain bounded on the east by the Sierra Nevada and on the west by the Coast Ranges. The San Joaquin Valley contains two basins namely in the north, the San Joaquin Basin, which is drained by the San Joaquin River, and in the south, the Tulare Basin, which is normally a hydrologically closed basin of interior drainage, but which in extremely wet years, drains northward to the San Joaquin River (Page, 1986).

Alluvium derived from the Coast Ranges interfingers eastward with material derived from the Sierra Nevada to the east. The Sierran soil deposits are overlain by a veneer of flood-basin deposits derived from the Coast Ranges to the west and the Sierra Nevada to the east. The flood-basin deposits are of variable thickness (typically 5 to 35 feet) and texture, but are primarily fine-textured, moderately to densely compacted. The basin clays have a low permeability and greatly impede the downward movement of water.

The natural drainage of the Site properties is generally to the northwest with ground surface elevations ranging from about 200 feet in the east central-portion near tranquility to about 275 feet in the southwest portion feet near Five Points.

5.2 Hydrogeology

The hydrogeology of the region is strongly influenced by fine-textured, low permeablity clay known as the Corcoran Clay member of the Tulare Formation (Page 1986). The Corcoran Clay (also known as the E-clay) is a thick, diatomaceous lacustrine clay layer. It is the primary aquiclude in the region, essentially separating the unconfined or semi-confined groundwater above the clay from the confined groundwater below. The E-clay, which is laterally extensive beneath the Site properties, occurs at a depth of about 500 to 600 feet, and is about 40 to 60 feet thick. Extensive layers of other more

shallow clays have been designated A (shallowest) to D, which can create confined or semi-confined conditions, depending on location. The unconfined to semi-confined aquifer consists of Coast Range alluvial deposits, derived largely from the erosion of marine rocks, and flood plain deposits, and is typically high in salt concentrations. These deposits become thinner moving eastward, essentially disappearing near the Valley tough located east of the Site.

Perched ground waters occur over a substantial portion of the site properties. Within the general vicinity of the Site properties, perched waters may occur at depths ranging from less than 5 feet, typically along western potions of the Site properties, to about 20 feet, typically along the eastern portions.

5.3 Surface Water

Surface waters in the vicinity of the Site properties include, lined irrigation canal the California Aqueduct, unlined canals and ditches, tail ponds, and storage reservoirs. Several basins, which are now normally dry and vary substantially in size and were previously used for disposal of collected subsurface agricultural drainage water are also present. The San Luis Drain, once used for conveyance of subsurface agricultural drainage waters to the Kesterson Reservoir (located several miles north of the Site), traverses portions of the Site properties.

5.4 Soils

In the valley trough, which extends through the area of the Site properties, soil deposits derived from the Sierra Nevada are predominantly well-sorted sand, approximately 400 to 500 feet thick, thinning eastward and westward. Shallow soils at the Site properties consist largely of basin and basin rim deposits. The soils are largely silty clays and clays with varying alkalinities and typically slow permeabilities.

6.0 HISTORICAL BACKGROUND

Information on the history of the Site properties was obtained through the review of land-use maps, available aerial photographs, and interviews with individuals familiar with Site properties histories and usage.

The current owners of the Phase 2 properties were interviewed by BSK as a part of the LESA, in addition, owners of the Phase 3 and 4 properties which have fuel, chemical and/or equipment storage areas, or which have operated subsurface drainage collection systems were also interviewed.

Agricultural development of the Site properties began in the early 1940s and by the late 1980; they had been largely developed to their current state. Subsurface drainage collection systems were largely installed in the 1970s and, by the mid-1980s, the preponderance of them were not in use. Subsequently, significant areas of the Site, particularly along the western portions, are now longer farmed due to rising perched water levels.

Land Use Maps and Aerial Photographs
Aerial photographs for 1977, maintained by Westlands, and for 2000, obtained from the internet (www.terraserver-usa.com) were reviewed for information on historical usage of the Site properties. The review focused features at the numerous farming operation yards, and other structures. The review found that:

- All but one of the current operation yards was present at the time of the 1977 aerial photographs. The exception consisted of a storage yard and shed in Section 28, T13S/R14E (see Section 7, R&J Silveira)

- No demolished structures were identified.

- Addition of a few small structures, and or expansion of equipment storage areas occurred in some areas.

No indication of waste piles or surface impoundments were observed within the farming operations areas.

7.0 SITE RECONNAISSANCE AND ADJACENT PROPERTIES REVIEW

The reconnaissance of Site properties and review of adjacent properties, were performed by BSK Senior Environmental Engineer, C. Scott Smith, PE, between July 11 and August 7, 2003. At the time of the visit of the Phase 2 farming operation yards, and most Phase 3 and 4 yards, BSK was accompanied by a property owner representative.

7.1 Site Reconnaissance

The principal crops of the Site properties are cotton, tomatoes, grapes, alfalfa, onions and garlic. No orchards or rice fields are present. Several farming operation yards, and numerous water well sites (both electric and diesel-powered), abandoned subsurface drainage collection system pumps and associated reservoirs, and water storage reservoirs were observed.

Minor spillage of fuels was observed at most diesel-powered well sites, above-ground fuel tanks (AGT), motors, and/or well lubrication systems. Upon further investigation, it was determined that the petroleum products and oils appeared to be limited to the upper 1-foot of soils.

The preponderance of the subsurface drainage collection systems were inoperative and have dry associated reservoirs. Exceptions included a few systems being used for recirculation (onsite usage) of collected waters.

Irrigation ditches along the travel routes were periodically reviewed for indications of soils discoloration, water discoloration, surface sheen, and similar indications of fuels and chemical

introduction. No conditions appearing to be associated with the introduction of fuels or chemicals were observed.

Features of particular interest are summarized in Sections 7.2 through 7.4 for Phase 2 through 4, collectively. For Site properties that are currently listed under multiple phases, the observations are presented for the first phase in which they are listed. The future Phase 3 and Phase 4 update reports will address the changes in phase designation as they occur.

7.2 Phase 2

R&J Silviera (SW ¼, Section 28, T15S/R14E)

Included within the parcel are an equipment storage yard and storage shed/shop. The building has a concrete slab. A limited number of farm equipment vehicles were present (Figure 1, No 1, Phase 2 Site Photographs).

No fuel or chemical storage containers were observed at the facility and no visual or odors indications of fuel or chemical spillage were observed.

Within the shop were various tolls and small farm equipment hardware. No fuel or chemical containers or indications of spillage were observed.

No AGTs or above-ground features associated with underground fuel storage tanks (UST were observed at the facility. According to Mr. Silveira, no USTs or AGTs have been present and no chemicals have been stored.

Tom Thomsen (SW¼, Section 5, T 17S/R16E)

Mr. Eric Grouleff, farm manager, accompanied BSK during the reconnaissance on August 8, 2008. Included within the parcel are a farm office building and an equipment yard containing various farm equipment and vehicles (Figure 1, No. 2). On the east end of the yard is a concrete slab, reportedly associated with a former tool shed, and AGTs were reportedly present to the east of the slab. According to Mr. Grouleff, the shed and two diesel AGTs were at the location for only a few years and were removed few weeks ago. Minor soil discoloration from oils was observed at the reported location of the AGTs.

7.3 Phase 3

Seasholtz (SW¼, T14S/R14E and NE¼, and Section 25, T13/R13)

Included at both parcels are farming operations yards. On August 6, Mr. Seasholtz declined to provide access to the facilities until such time the properties are being considered for transfer. Accordingly, the facility was reviewed from adjoining areas, only. Observed were fuel storage areas, AGT(s), chemical container disposal areas, a shop, and equipment storage areas. No indications of

above-ground features associated with USTs, waste piles or other waste disposal areas were observed. An onsite review will be conducted in conjunction with the phase 3 update.

Wolfsen (SW ¼ Section 3, T15S/R15E)

Mr. Justin Spellman accompanied BSK during the reconnaissance on August 7. Included within the parcel are a large storage building, liquid fertilizer tanks, and a cotton gin.

The large storage building, which has a concrete slab, contained various agricultural chemicals (Figure 2A, No. 1). Minimal spillage was observed with in the building and no indication of spillage was observed in the adjoining exterior areas.

Drainage from the facility is generally to the northwest toward a shallow drainage ditch which terminates onsite. Upon further observation it appeared that the soils within the ditch were discolored from on-site processes. Mr. Spillman explained that the discoloration was largely due to runoff originating from the area of the liquid fertilizer tanks and from San Diego Avenue, adjoining the parcel on the west. No other potential sources of the discoloration were evident.

A cotton gin is located to the north of the yard. Included is a below grade hydraulic compressor. The compressor is within an enclosed concrete vault.

Wolfsen (SW¼ and NW¼ Section 4 T15S/R15E)

Mr. Justin Spellman accompanied BSK during the reconnaissance on August 7, 2003. Included within the parcel is a farming operation yard including AGTs, a maintenance building, a drum and waste oil storage area, outdoor equipment storage areas, and a crop-duster landing strip.

The AGTs, located in the east central portion of the facility, are within a concrete spill-containment berm (Figure 2A, No. 2). The drum storage area, containing empty 55-gallon lubricant drums, and a waste oil tank are present in the northwest portion of the facility (Figure 2A, No. 3). The waste oil tank is also surrounded by a concrete berm (Figure 2A, No. 4). No indications of excessive spillage of oils, beyond minor "drippings" were observed.

A north-south oriented crop-duster landing is begins along the eastern boundary of the yard and extends about ½-mile to the north. According to Mr. Spellman, the strip is maintained by others who utilizing the strip to serve Wolfsen. The turn-around and chemicals loading area is located on south end of the strip the east end of the yard. Within the area is a water tank, for chemical formulation, a bin with empty 2 to 5-gallon plastic pesticides and herbicides containers, and bags of dry sulfur. According to Mr. Spellman, the containers are triple-rinsed and recycled and the waters used in chemical formulation in the aircraft hoppers. Portions of the turn-around area are paved. Exposed soils in unpaved areas adjoining the turn-around on the west were discolored from landing-strip operations (Figure 2, No. 4). According to Mr. Spellman, much of the discoloration is associated

with organic-based fertilizers which are mixed into selected application formulations. No odors typically associate with herbicides or insecticides were encountered.

Peck (SW1/4,S12,T16S/R14E)

Mr. Ken Peck, farm manager accompanied BSK during the reconnaissance on August 1, 2003. Included within the parcel is a farming operation yard including AGTs, a shop, maintenance buildings, drum and waste oil storage and outdoor storage areas for vehicles farm equipment and farm implements are stored in various areas of the facility.

Several diesel AGTs and liquid fertilizer AGTs are present (Figure 2B, No. 1). Minor spillage was observed near the dispensers of a few AGTs. Digging into shallow soils, using a shovel, found indications of oils to be limited to less than the top about 1-foot of soils.

Lubricant drums are stored in the northeast portion of the yard and no indication of significant spillage or leakage was observed (Figure 2B, No.2). Agricultural chemicals are stored on wooden pallets within a building with concrete flooring.

A tire maintenance building is located to the north of the shop. According to Mr. Peck, an underground gasoline fuel storage tank (UST) was removed from the east side of the building in about 1990 (Figure 2B, No. 3). He indicated that only minor leakage from the inlet piping was observed that there is no documentation of its removal.

A steam cleaning system adjoins a tire shop to the west. Wastewater is discharged to a small unlined sump. Minor oil accumulation was observed on the water surface and the exposed side walls of the sump (Figure 2B, No. 4).

Peck (NW¼, Section 5, T16S/R15E)

A series of six large, connected subsurface drainage basins is present. The basins are divided by drive on berms and collectively comprise about 130 acres and, according to Mr. Peck, have not been used for several years. Salt accumulation was observed in some of the low points of the reservoirs (Figure 2B, No. 5). The basins are subject to closure requirements of the California Regional Water Quality Control Board (see Section 8.2)

7.4 Phase 4

Peck (SW, Section 12, T16S/R14E)

A crop duster landing strip is located along the eastern boundary of the parcel (Figure 3A, No. 1). Surface discoloration of the paving and exposed soils was along the eastern portion of the turn-around area, located at the south end of the strip. To the east of the strip is a ditch where burning of plastic chemical containers is evident.

Tom Thomsen (NW¼, Section 15, T 17S/R16E)

Mr. Eric Grouleff, farm manager, accompanied BSK during the reconnaissance on August 1, 2003. The parcel consisted of a farm operations yard which, included a large area designated for vehicle and equipment storage, AGTs (Figure 3A, No. 2), liquid fertilizer storage tanks, a shop, and adjoining farm equipment maintenance area (Figure 3, No.3). The chemicals present were limited to small containers within in covered areas.

Piping from the dispenser to the gasoline is above ground. Digging into the soils near the AGTs found indications of fuels to be limited to the top about 1+ foot of soils in some areas. According to Mr. Grouleff, no USTs have been present at the property.

The yard contained various farm equipment and vehicles. On the east end of the yard is a concrete slab reportedly associated with a former tool shed and AGTs were reportedly present to the west of the slab. According to Mr. Grouleff, the shed and two diesel AGTs were at the location for only a few years and were removed few weeks ago. Minor soils discoloration from oils was observed at the reported location of the AGTs.

O'Neill SW1/4, Section 4,T18S,R17E

Mr. Mr. Curtis Stubblefield, farm manager, accompanied BSK during the reconnaissance on August 1, 2003. Included within the parcel is a maintenance building and equipment storage area.

Minor repairs of farm equipment and vehicles are reported to be conducted within the building. Included is a tool room and a petroleum-based lubricants storage area (Figure 3B, No. 1). Adjoining the building on the east is a covered well pump storage area (Figure 3B, No. 2). A waste oil tank is present on the north side of the building. Farm equipment is stored in an unpaved area to the east of the building (Figure 3B, No. 3).

No indication of oil spillage or chemical storage was observed during the site recon.

Orff (NW¼, Section 31, T15S/R15E)

Mr. Frank Orff accompanied BSK during the reconnaissance. Present within the parcel is a farming operations headquarters including a chemical storage building, AGTs, various equipment storage areas and equipment and vehicle repair areas.

The agricultural chemical storage building is located in the north-central portion of the facility and has concrete slab flooring. (Figure 3C, No. 1). No indication of significant spillage was observed within the building or the adjoining exterior areas.

Hydraulic fluids are stored in a small shed to the west of the chemical storage building. A waste oil tank is present on the south side of the shed. A rack mounted 1,000-gasoline AGT and 13,000 gallon

diesel AGT, with a concrete spillage containment berm, are present on the north side (Figure 3C, No. 2).

7.5 Adjacent Properties Review

The adjacent properties were reviewed from the Site properties and adjoining public and farm roads. The preponderance of the adjacent properties are farmland. Farming operation headquarters with AGTs, equipment storage areas, well sites are also present in several areas. Also present in a few areas are abandoned subsurface drainage collection systems (which all appear to be abandoned) and associated dry drainage discharge basin, grain operations and cotton gins. No waste disposal areas, indication of features associated with USTs, crop-duster landing strip were observed.

An assessment conducted at a farm operations equipment yard located to the north of the Section 22, T13S/R14E, identified fuel hydrocarbons in soils associated with a leaking UST (BSK, 1996).

8.0 REGULATORY REVIEW

BSK's regulatory review included a review of selected agency regulatory data bases, inquires with agency representatives, and review of selected agency files. Appendix B contains a description of the regulatory programs associated with the lists reviewed.

8.1 Agency Lists

USEPA

The review of the following USEPA sources did not find any of the Site properties or adjacent properties currently listed:

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

National Priorities List (NPL)

RCRA Violators List (RCRA-Violators)

State of California

The review of the following State of California sources did not find any of the Site properties or adjacent properties currently listed:

- *Annual Work Plan (AWP)*
- *CalSites*
- *Site Mitigation and Brownfields Reuse Program*

- *Leaking Underground Storage Tank Information System (LUSTIS)*

- *Solid Waste Information System (SWIS)*

Fresno County Community Health Department (FCCHD)

The FCCHD participates in the Certified Unified Program Agencies (CUPA) program which is responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The Site properties and adjacent properties are not currently contained on the CUPA.

The Site and adjacent properties or adjacent properties are not currently listed.

8.2 Agency Inquiries and Files Review

Phase 2

The Wolsen parcel in Section 19, T14S/R15E previous include a discharge basin (solar evaporator) which received wastewater discharges associated with a agroforestry demonstration project. The RWQCB required that the basin be closed (capped compacted with low permeability soils). A closure plan was submitted by Murietta Farms in December 2002, approved by the CRWQCB and subsequently implemented (Appendix C). The project was completed last month and a report documenting closure in compliance with CRWQCB requirement is currently being prepared for submittal.

Phase 3

The California Regional Water Quality Control Board (CRWQCB) was contacted regarding the status of subsurface agricultural drainage basins. Based on the information contained in their files and our communications with Mr. Lonnie Wass, Supervising Engineer, the Peck drainage basins in Section 5 are required to be closed. In 1996, a Closure/Financial Assurance Plan was submitted by Peck. By letter dated May 24, 1996 (included as Appendix C) the CRWQCB did not accept the plan and requested further information. The required revised plan has not been submitted and, based on an interview with Mr. Wass on August 1, 2003, such a plan is still required.

9.0 SUMMARY AND RECOMMENDATIONS

Section 9.1 summarizes our findings and recommendations applicable to all phases and Sections 9.1 through 9.3 address our findings and recommendations individually applicable to Phases, 2, 3, and 4, respectively.

9.1 Phases 2, 3 and 4

Based on BSK's review of historical land use maps, selected aerial photographs, and interviews with property owner representatives, the Site properties have been farmed dating back to the 1940s or 1950s. Land use activities other than agricultural include a cotton gin and grain storage.

At the time of the reconnaissance, the Site properties land usage consisted principally of cropland, fallow land, and idle land. Other features observed included those typical with farming operations as well as single family residences, a cotton gin, and grain storage facility.

Waste disposal areas observed were limited to former (now dry) subsurface drainage discharge basins. Indoor chemical storage areas were observed at several facilities, No waste disposal sites, agricultural chemical storage areas, aircraft landing strips, or features associated with UST's were observed during the reconnaissance or were identified (based on our research) as having been present at the Site properties in the past.

Diesel engine-powered lift stations or water wells are present at a few sites. Soils discolored from diesel were observed near the ASTs, diesel engines, and lift pumps. Soils discoloration, in those areas reviewed, is limited to a depth of less than 2-feet. The condition can be regarded as *de minimus*, under the ASTM definition of recognized environmental conditions and, accordingly, no action appears warranted.

The Site properties and adjacent properties are not currently contained on the regulatory agency program lists reviewed in conjunction with the LESA.

No conditions which appear to have the potential to environmentally impair the Site were observed at the adjacent properties.

Agricultural properties are subject to the use of a variety of agricultural chemicals, including pesticides, herbicides, insecticides, fungicides, etc. Problematic concentrations of such chemicals in soil or water, those which would constitute recognized environmental conditions if evidenced, are most-commonly associated with agricultural chemical storage areas, formulation areas, equipment/container wash-down areas, or irrigation tail water conveyance and storage facilities. No such activities were identified as being currently or historically associated with the Site properties. However, general application of such chemicals may also result in environmental impairment under certain circumstances. While BSK found no evidence of recognized environmental conditions, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.

Oil-lubricated irrigation supply wells, such as those onsite, can potentially be a source of impact to groundwater, through loss of oil from the lubrication system or turbines. The regulatory agencies have not requested investigation of such potential releases in the absence of suspected impacts to

municipal water supplies. Further assessment would be required to evaluate whether such releases have occurred and if so, the conditions warrant further action.

Several of the parcels include farm labor residences, and/or office buildings and similar improvements. Such structures were not reviewed for the presence and condition of wall board, linoleum, and other potential asbestos containing materials (ACBMs). Due to the age of the Site structures, ACBM's and lead-based paints could be present. If demolition or renovations are to occur, testing for ACBMs by a Certified Asbestos Consultant and for lead-based paint would be required.

9.2 Phase 2

No conditions which appear to have the potential to environmentally impair the Site properties were observed, nor were conditions which appear to have the potential to environmentally impair the Site properties observed.

9.3 Phase 3

Peck

A UST was reportedly removed from the Section 12 yard in the early 1990s. It has not been established if there were fuel releases requiring possible remediation. Accordingly, it is recommended that an assessment be conducted to evaluate the potential for impacts to soils and groundwater.

Closure is required for the Section 5 subsurface drainage basins. It is conceivable that the CRWQCB may allow capping as a method of closure. Any closure method which satisfies the CRWQCB requirements would be a major undertaking.

Wolfsen

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

9.4 Phase 4

Peck

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Burning of empty plastic chemical containers was evident to the east of the area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

9.5 Adjacent Properties

An assessment conducted at a farm operations equipment yard located to the north of the Section 22, T13S/R14E, identified fuel hydrocarbons in soils associated with a leaking UST (BSK, 1996). The assessment report included a recommendation that the impacted soils be removed, or that the area be capped, to protect groundwater quality. BSK is not It is not known if groundwater beneath this site or the adjoining Site properties have been impacted.

No other conditions which appear to have the potential to environmentally impair the Site were identified.

10.0 LIMITATIONS

This report has been prepared for the exclusive use of Westlands Water District in conjunction with the subject settlement agreement. It is strictly prohibited for others to use or rely on the information contained in this report unless given express written consent of BSK Associates.

The findings and conclusions presented in this report are based on field reviews, and data obtained from the sources listed in the report. No other warranty, either express or implied, is made as to the findings or conclusions contained herein.

Industry associations and trade groups have published differing, and sometimes conflicting, guidelines for the preparation of site assessments. In many instances these guidelines provide a level of investigation which differs from current practice and the scope of services presented above. This report has been prepared in accordance with BSK's scope of services in general recognition of, as opposed to specific adherence to, the ASTM standard referenced herein.

The purpose of the assessment was to provide a preliminary evaluation for the possible presence of recognized environmental conditions at the Subject Site. This report provides neither certification nor guarantee that the properties are free of hazardous substance contamination nor individually in compliance with current regulations.

11.0 REFERENCES

ASTM, 2000, American Society for Testing and Materials, *Standards on Environmental Site Assessments for Commercial Real Estate*, E-1527, second edition.

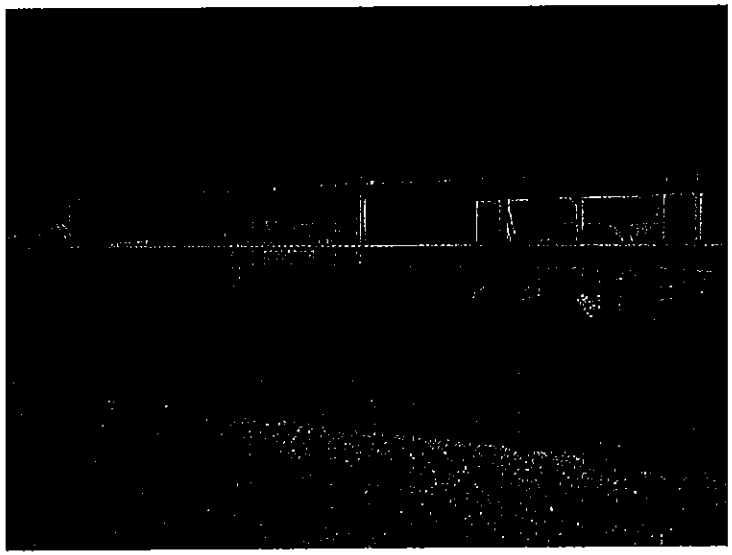
Harradine, Frank F., 1950, *Soils of Western Fresno County, California,* University of California, Berkley, Division of Soils, August 1950

Page, R.W., 1986, *Geology of the Fresh Ground-Water Basin of the Central Valley, California*, U.S. Geologic Survey, Professional Paper 1401-c

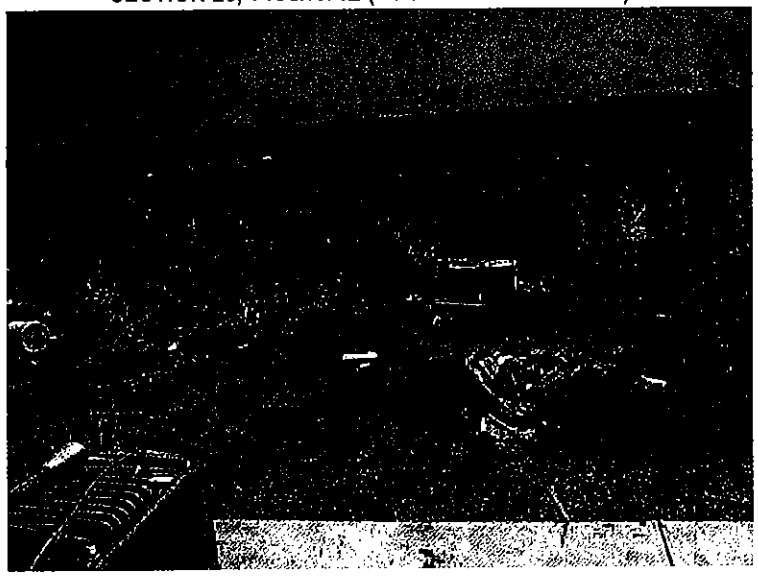
USDA, 1986, United States Department of Agriculture, Soil Conservation Service, *Soil Survey of King County, California. September 1986*

FIGURES

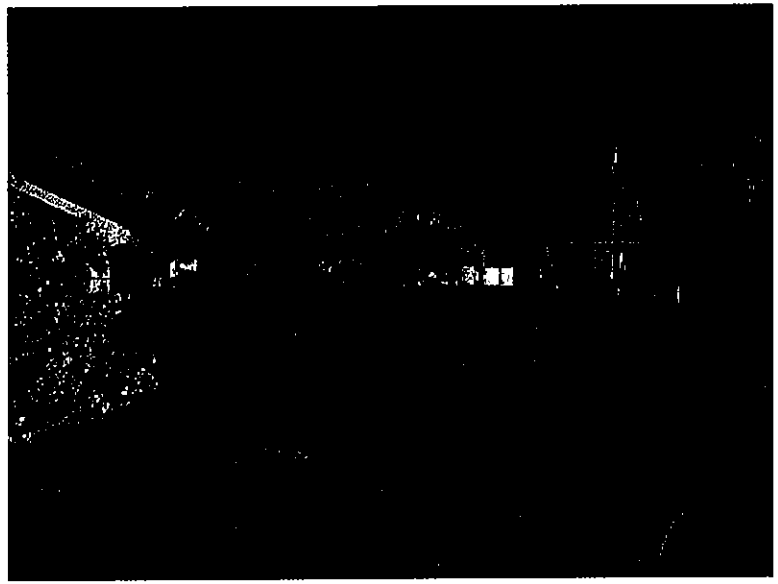
FIGURE 1A
BSK E0313201F
AUGUST 2003



NO. 1 FARM OPERATION YARD - R & J SILVEIRA
SECTION 28, T13S/R14E (LOOKING NORTHWEST)



NO. 3 LOCATION OF FORMER AGTS - T. THOMSEN
SECTION 5, T 17S/R16E (LOOKING EAST)



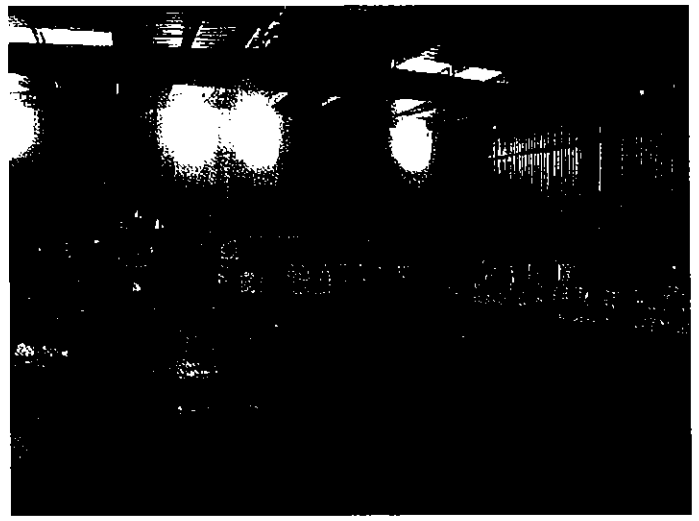
NO. 2 FARM HEADQUARTERS OFFICE AND EQUIPMENT YARD
T. THOMSEN - SECTION 5, T 17S/R16E
(LOOKING SOUTHEAST)

PHASE 2 SITE PROPERTY PHOTOGRAPHS

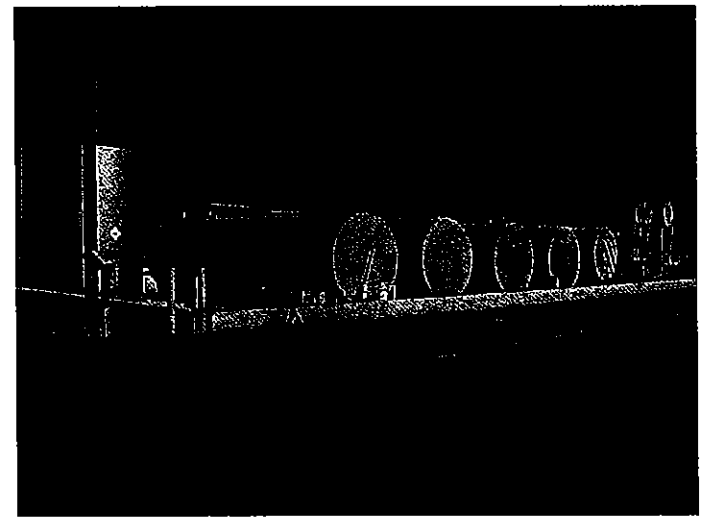
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 2A
BSK E0313201F
AUGUST 2003



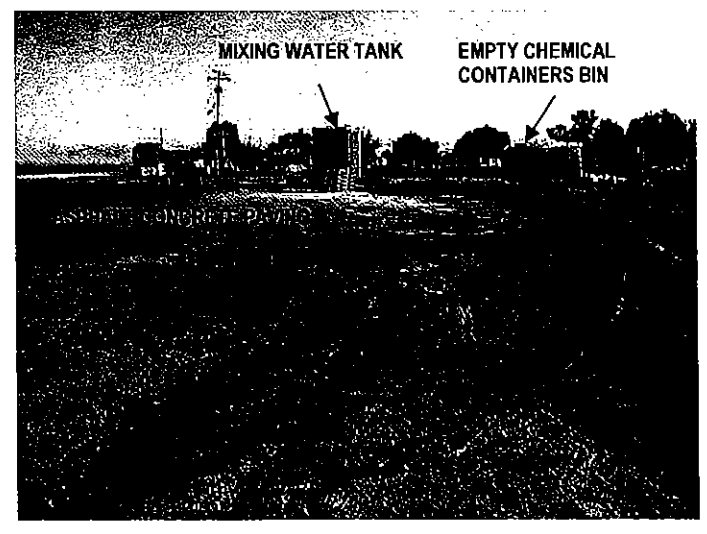
NO. 1 CHEMICAL STORAGE BUILDING - WOLFSEN SECTION 3, T15S/R15E (LOOKING NORTH)



NO. 2 AGTS WITHIN SPILLAGE CONTAINMENT BERM WOLFSEN - SECTION 4, T15S/R15E (LOOKING SOUTHEAST)

NO. 3 EMPTY DRUM STORAGE AREA - WOLFSEN SECTION 4, T15S/R15E (LOOKING NORTHWEST)

NO. 4 WASTE OIL TANK WITHIN SPILLAGE CONTAINMENT BERM - WOLFSEN - SECTION 4, T15S/R15E (LOOKING SOUTHEAST)



NO. 5 DISCOLORED SOILS ADJOINING LANDING STRIP TURN - AROUND AREA—WOLFSEN SECTION 4, T15S/R15E (LOOKING SOUTH)

PHASE 3 SITE PROPERTY PHOTOGRAPHS

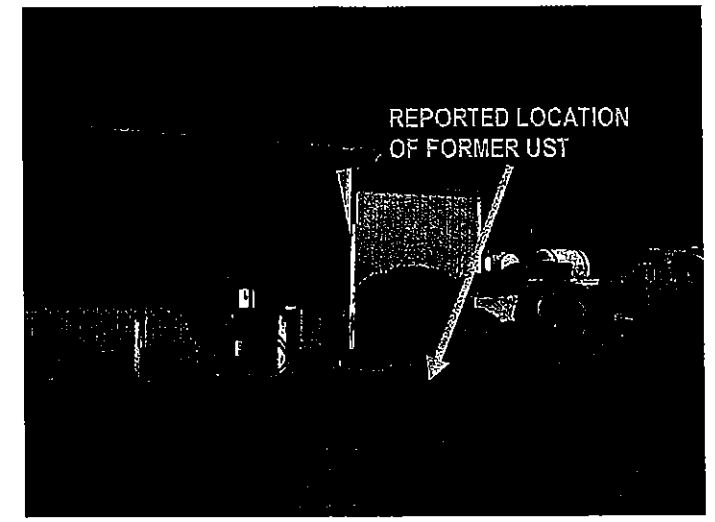
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 2B
BSK E0313201F
AUGUST 2003

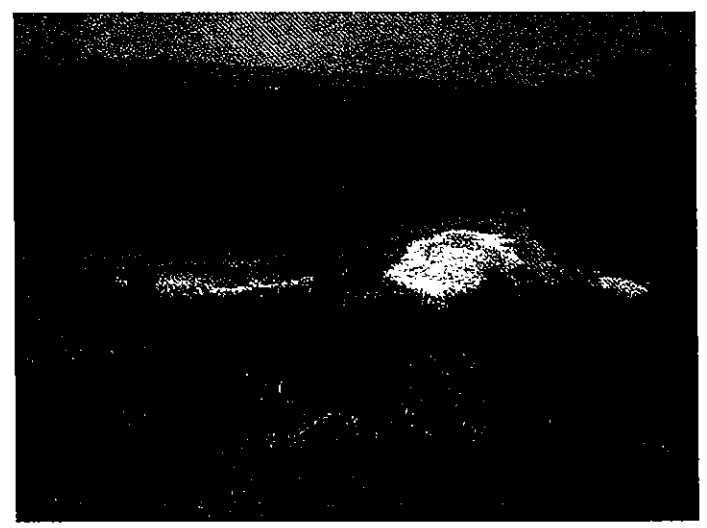
NO. 1 ABOVE-GROUND DIESEL AND LIQUID FERTILIZER TANKS - PECK - SECTION 12

NO. 2 DRUM STORAGE AREA - PECK - SECTION 12 (LOOKING NORTHEAST)

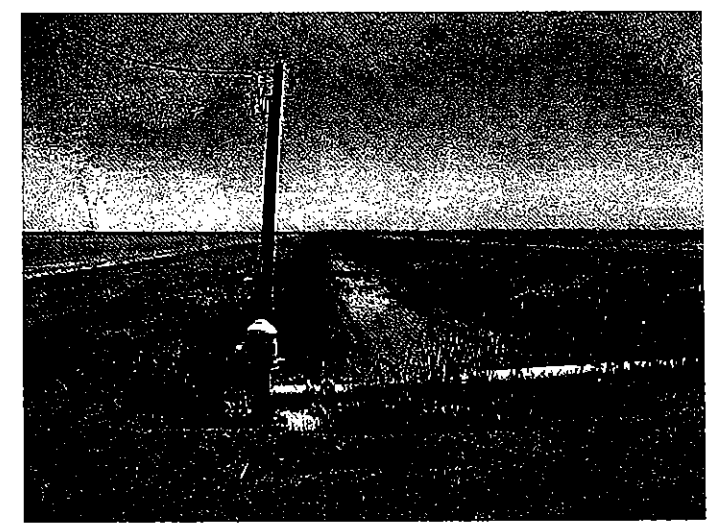


NO. 3 WASTE OIL TANK ON EAST SIDE OF TIRE MAINTENANCE SHOP. - PECK - SECTION 5, T16S/R15E (LOOKING WEST)

NO. 4 UNLINED WASH RACK WASTEWATER DISPOSAL SUMP - SECTION 4, T15S/R15E (LOOKING WEST)



NO. 5 ACCUMULATED SALT WITHIN DRAINAGE DISCHARGE BASIN. - PECK - SECTION 5, T16S/R15E (LOOKING WEST)



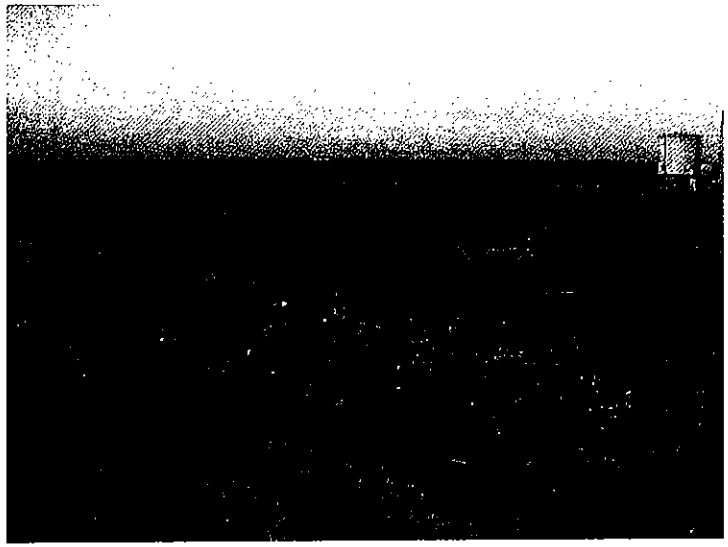
NO. 6 SUMP PUMP NEAR NORTHEAST CORNER OF PECK DRAINAGE BASINS—SECTION 5, T16S/R15E

PHASE 3 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

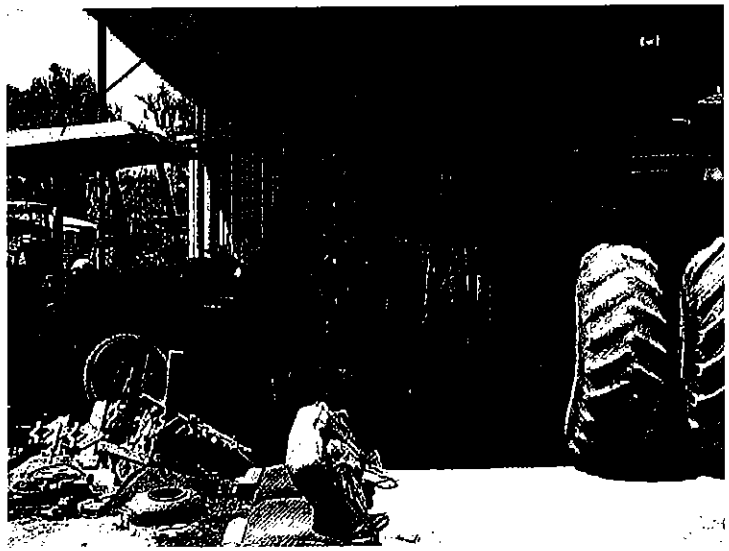
BSK

FIGURE 3A
BSK E0313201F
AUGUST 2003



NO. 1 CROP DUSTER LANDING STRIP - PECK - SECTION 12 (LOOKING NORTHEAST)

NO. 2 GASOLINE AND DIESEL AGTS - THOMSEN SECTION 15, T 17S/R16E (LOOKING SOUTHEAST)



NO. 3 FARM VEHICLE EQUIPMENT MAINTENENCE AREA. THOMSEN - SECTION 15, T 17S/R16E (LOOKING WEST)

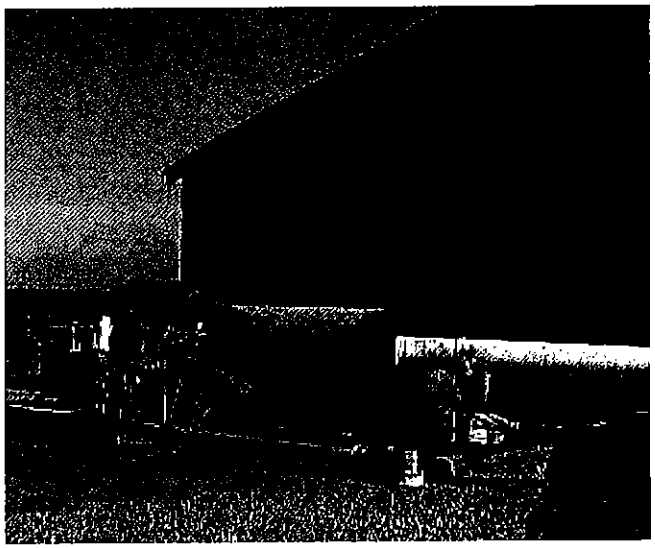
PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 3B
BSK E0313201F
AUGUST 2003

NO. 1 LUBE OIL STORAGE AREA WITHIN MAINTENANCE BUILDING - O'NEILL - SECTION 3



NO. 3 WASTE OIL TANK ON NORTH SIDE OF MAINTENANCE BUILDING - O'NEILL - SECTION 3 (LOOKING SOUTHEAST)

NO. 2 EQUIPMENT STORAGE AREA - O'NEILL - SECTION 3 (LOOKING EAST)

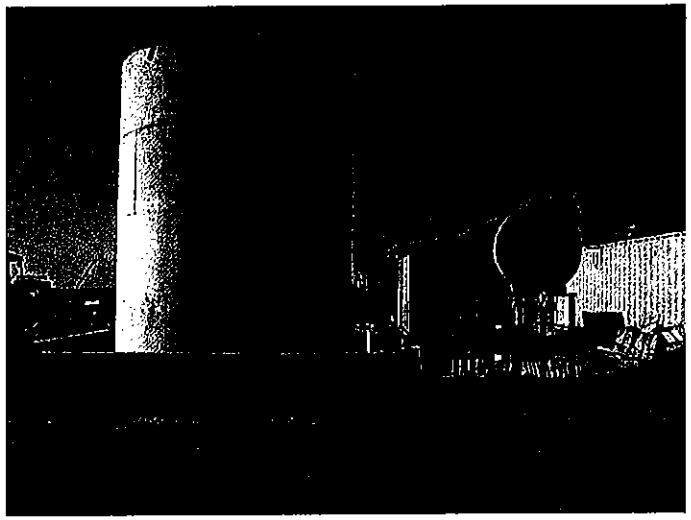
PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 3C
BSK E0313201F
AUGUST 2003

NO. 1 CHEMICAL STORAGE BUILDING - ORFF
SECTION 31, T15S/R15E (LOOKING NORTH)



NO. 2 GASOLINE AND DIESEL AGTS - ORFF
SECTION 31, T 15S/R15E (LOOKING EAST)

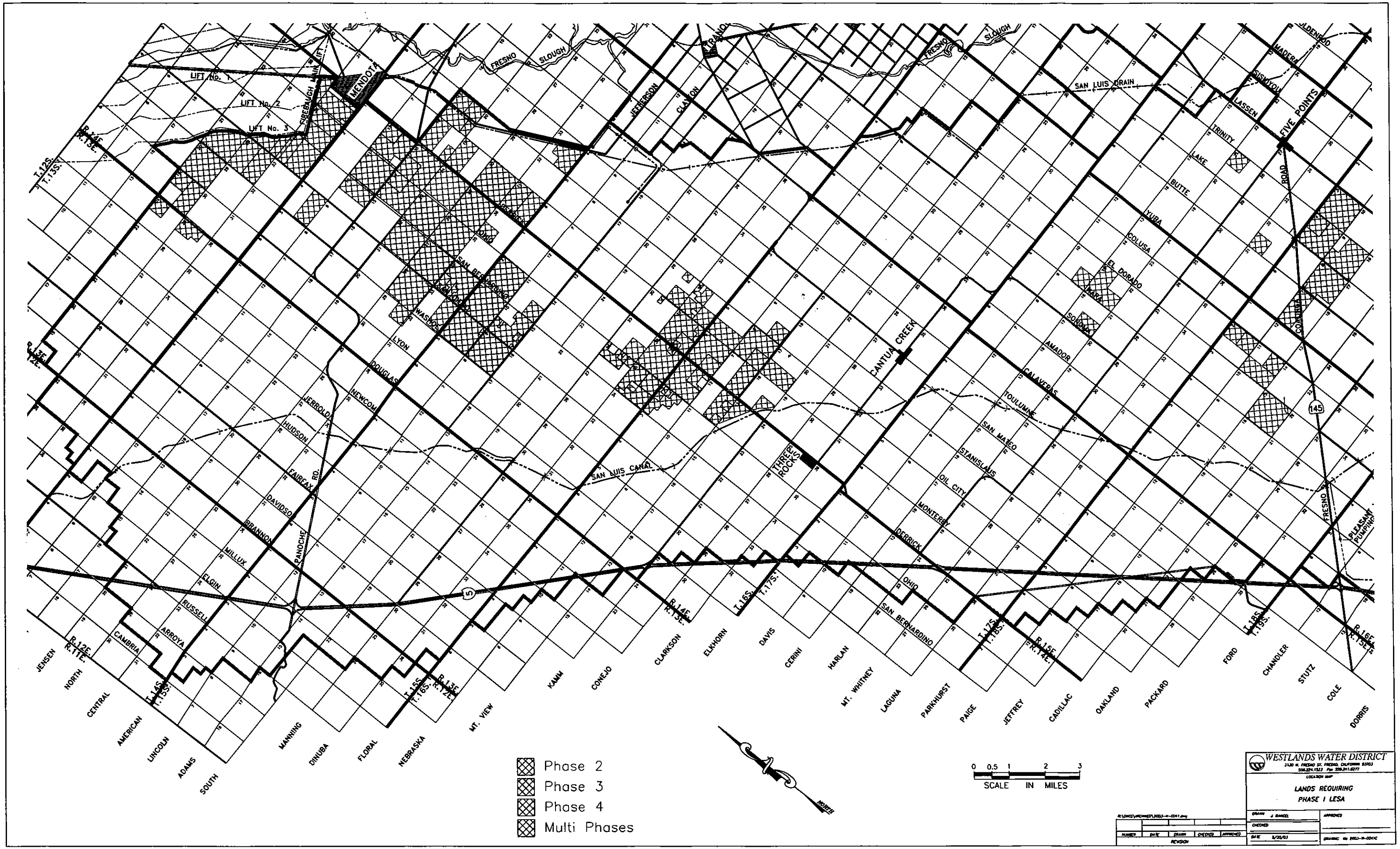
NO. 3 VEHICLE AND EQUIPMENT STORAGE AREA IN
EASTERN PORTION OF FACILITY - ORFF
SECTION 31, T 15S/R15E (LOOKING EAST)

PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

APPENDIX A

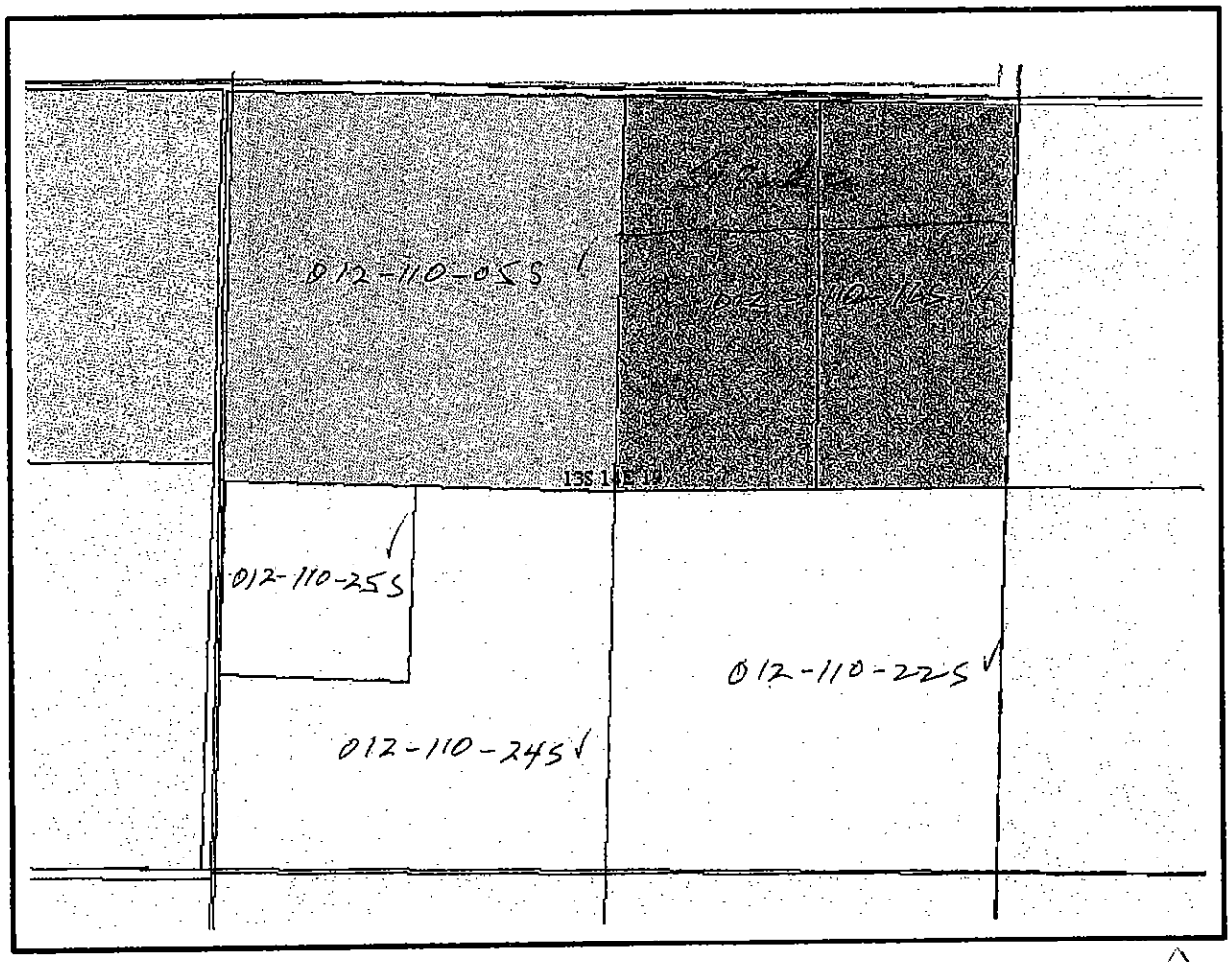


LIFT No. 1
LIFT No. 2
LIFT No. 3
FIREBAUGH MAIN LIFT
MENDOTA
FRESNO SLOUGH
JEFFERSON
CLAYTON
SAN LUIS DRAIN
FIVE POINTS
MADERA
SISKIYOU
LASSEN
TRINITY
LAKE
BUTTE
YUBA
COLUSA
EL DORADO
SONOMA
AMADOR
CALAVERAS
TOULUMNE
SAN MATEO
STANISLAUS
OIL CITY
MONTEREY
DERRICK
OHIO
SAN BERNARDINO
CANTUA CREEK
THREE ROCKS
SAN LUIS CANAL
LYON
DOUGLAS
NEWCOM
JERROLD
HUDSON
FAIRFAX RD.
DAVIDSON
BRANNON
PANOCHE
MILLUX
ELGIN
RUSSELL
ARROYA
CAMBRIA
JENSEN
NORTH
CENTRAL
AMERICAN
LINCOLN
ADAMS
SOUTH
MANNING
DINUBA
FLORAL
NEBRASKA
MT. VIEW
KAMM
CONEJO
CLARKSON
ELKHORN
DAVIS
CERINI
HARLAN
MT. WHITNEY
LAGUNA
PARKHURST
PAIGE
JEFFREY
CADILLAC
OAKLAND
PACKARD
FORD
CHANDLER
STUTZ
COLE
DORRIS
PLEASANT PUMPING
FRESNO
145
5
Phase 2
Phase 3
Phase 4
Multi Phases
0 0.5 1 2 3
SCALE IN MILES
NORTH
WESTLANDS WATER DISTRICT
LOCATION MAP
LANDS REQUIRING
PHASE I LESA
DRAWN
CHECKED
APPROVED
DATE
REVISION

R. D. ALLEN

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

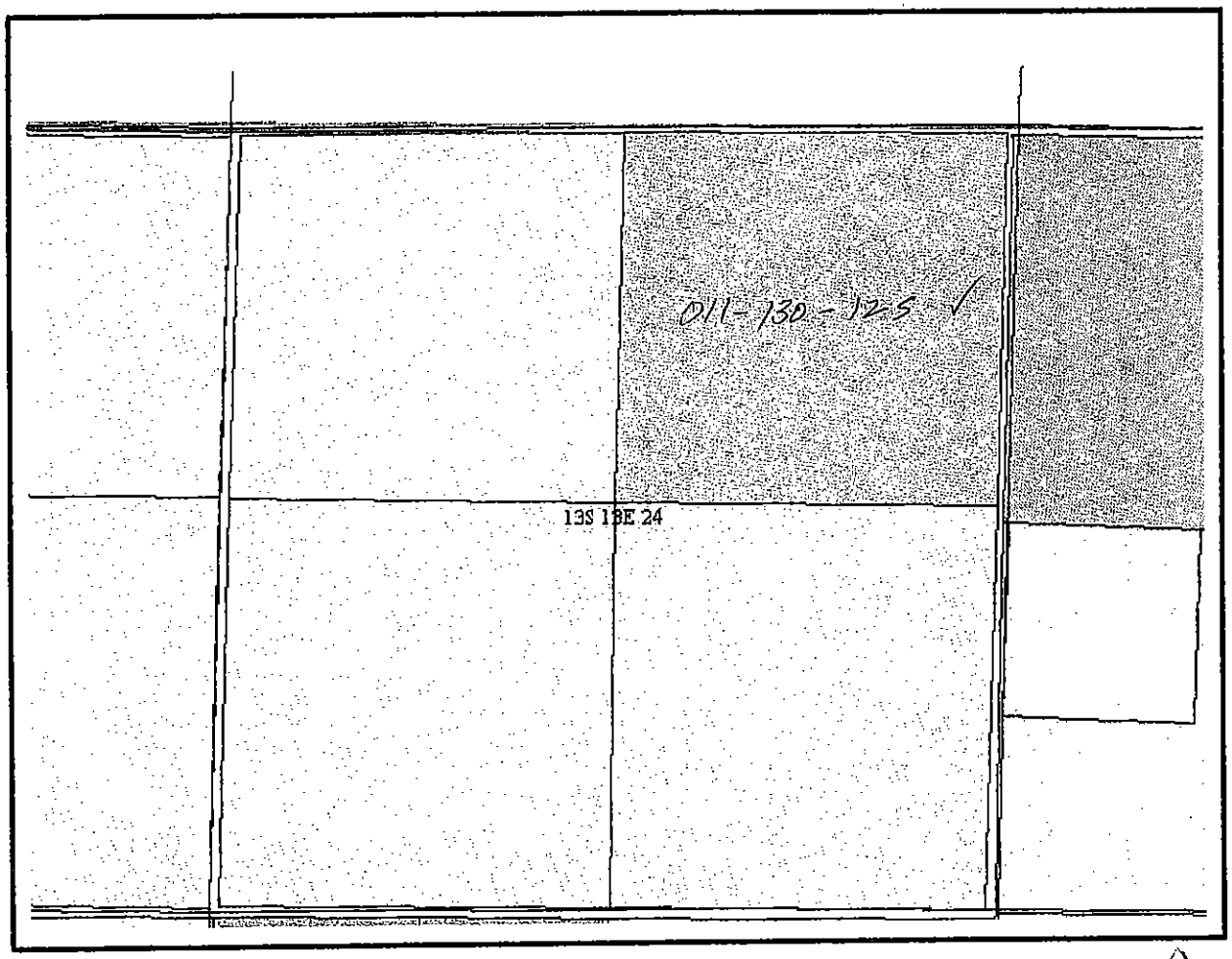
N

Wednesday, May 7 2003

A.E. ALLEN

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

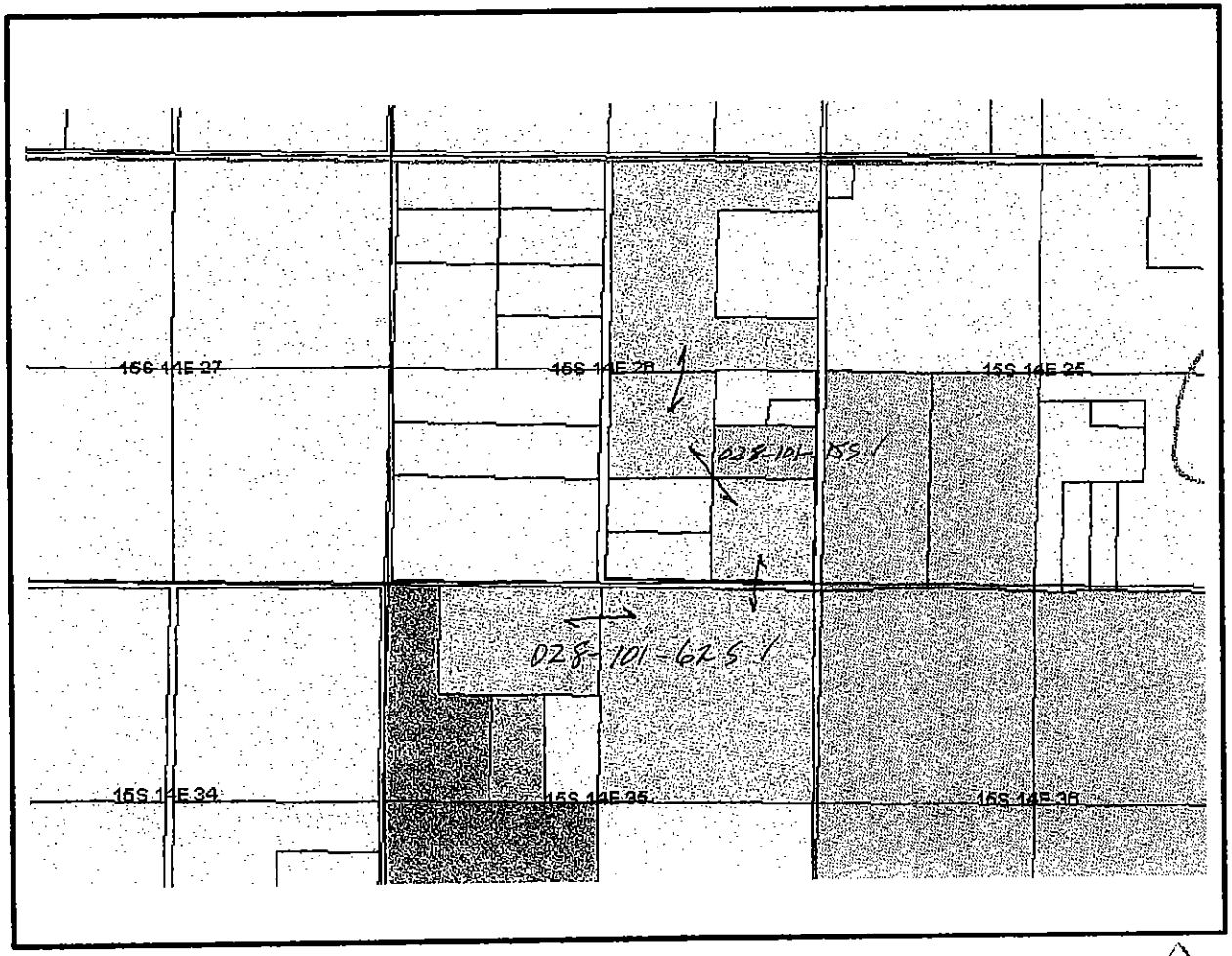
N

Wednesday, May 7 2003

ETCHEBERRY

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

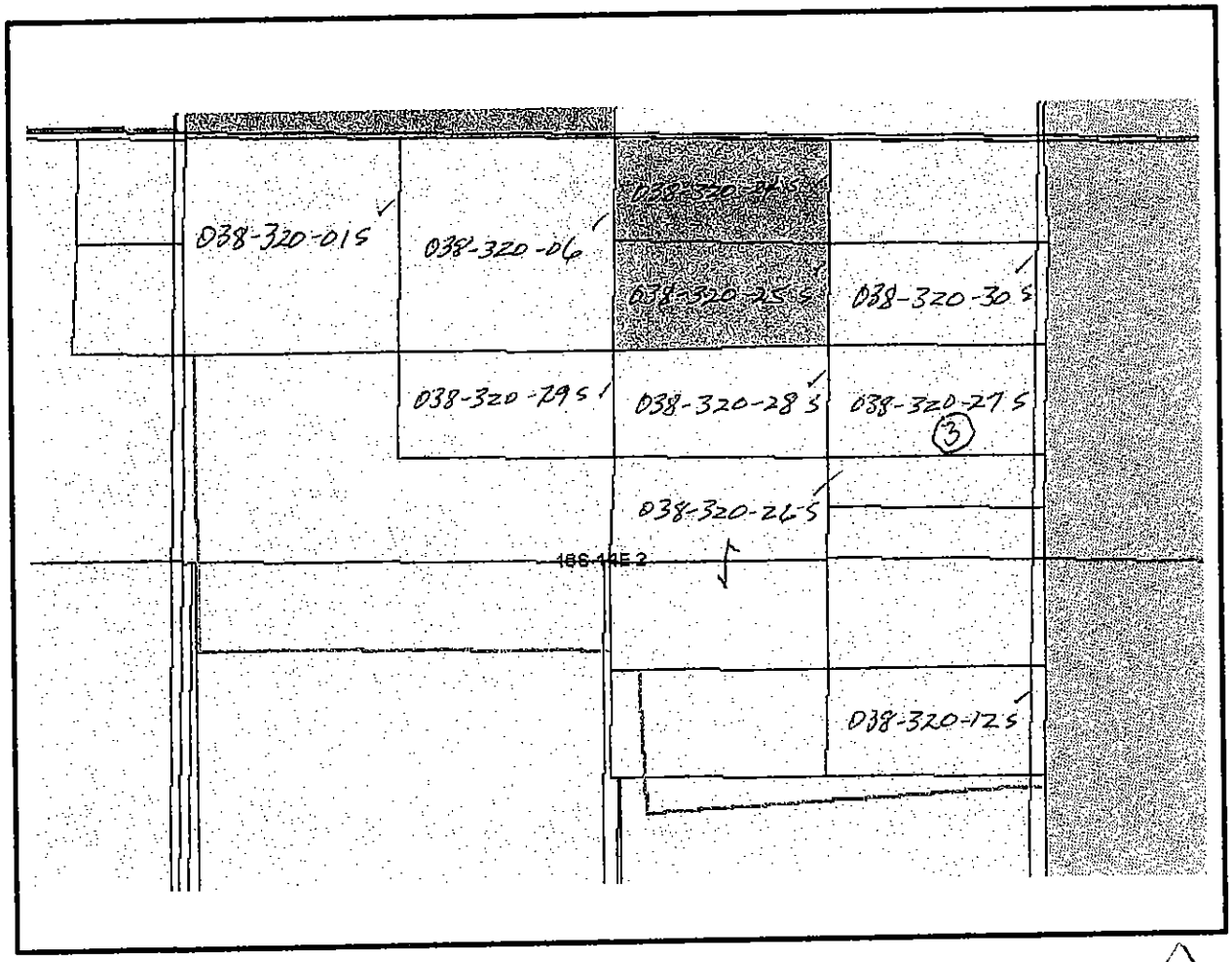
N

Wednesday, May 7 2003

GUENTHER #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

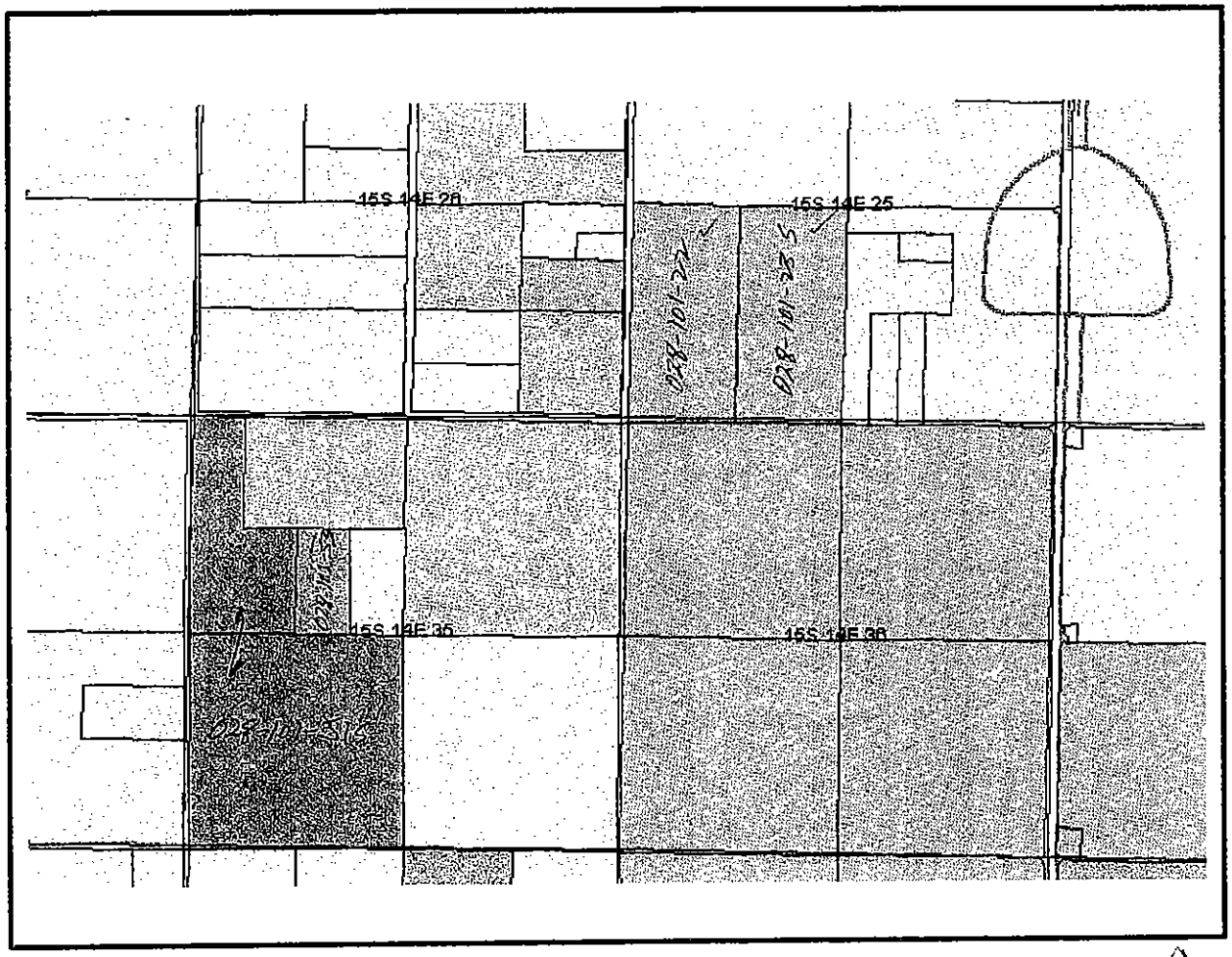
N

Wednesday, May 7 2003

GUENTHER #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

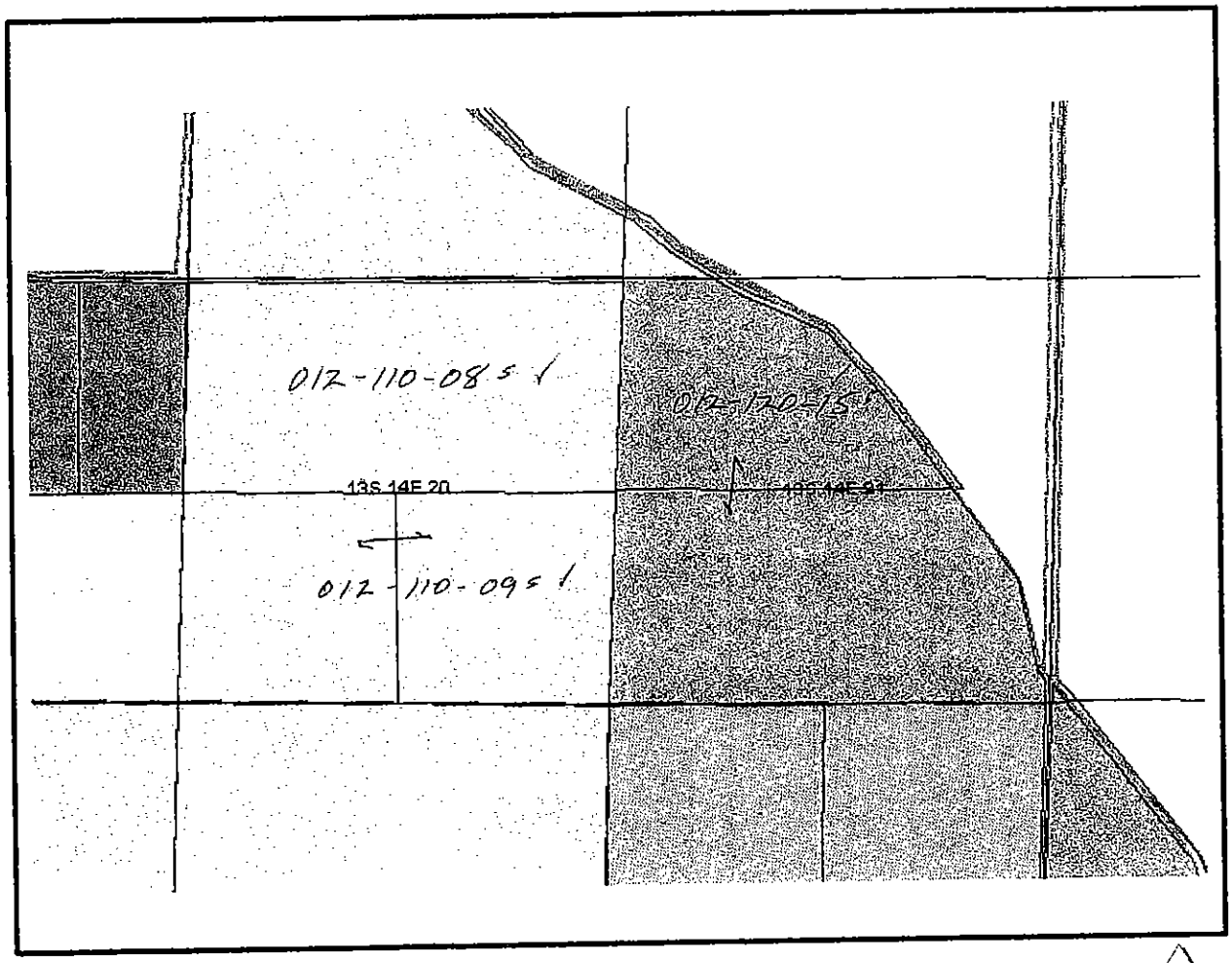
N

Wednesday, May 7 2003

JONES #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

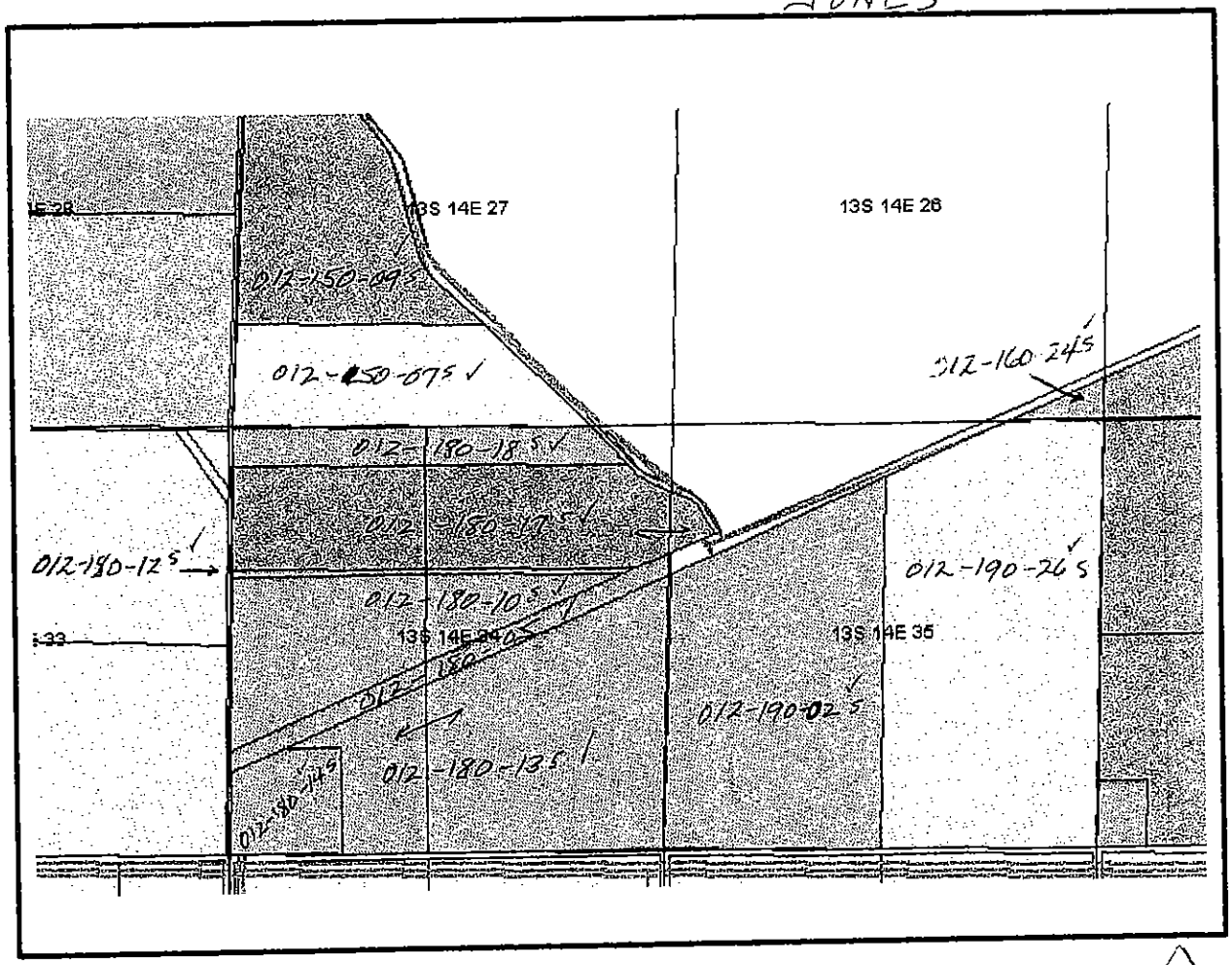
Wednesday, May 7 2003

JONES #2

ESRI ArcExplorer 2.0

Map Title

JONES

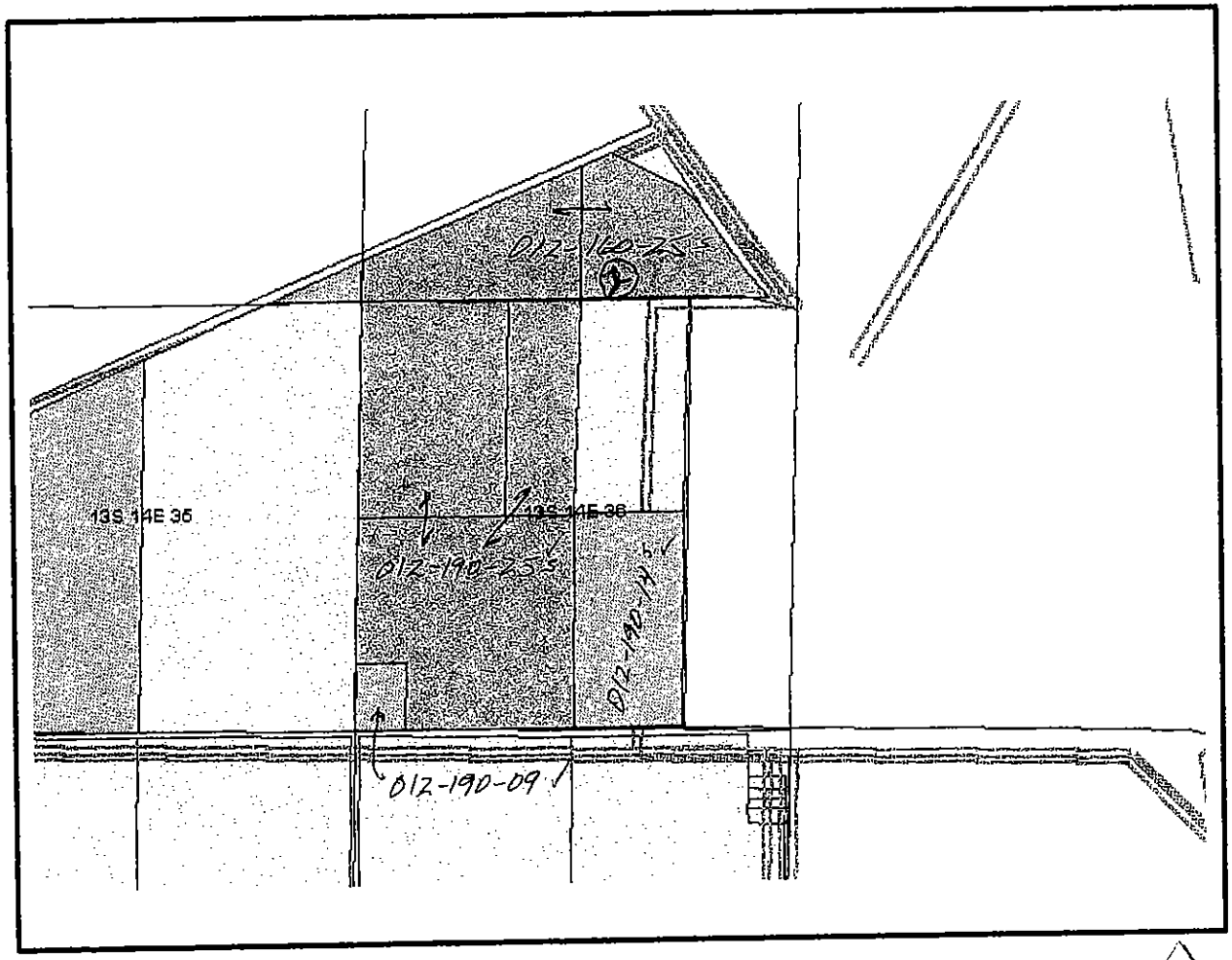


Wednesday, May 7 2003

JONES #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

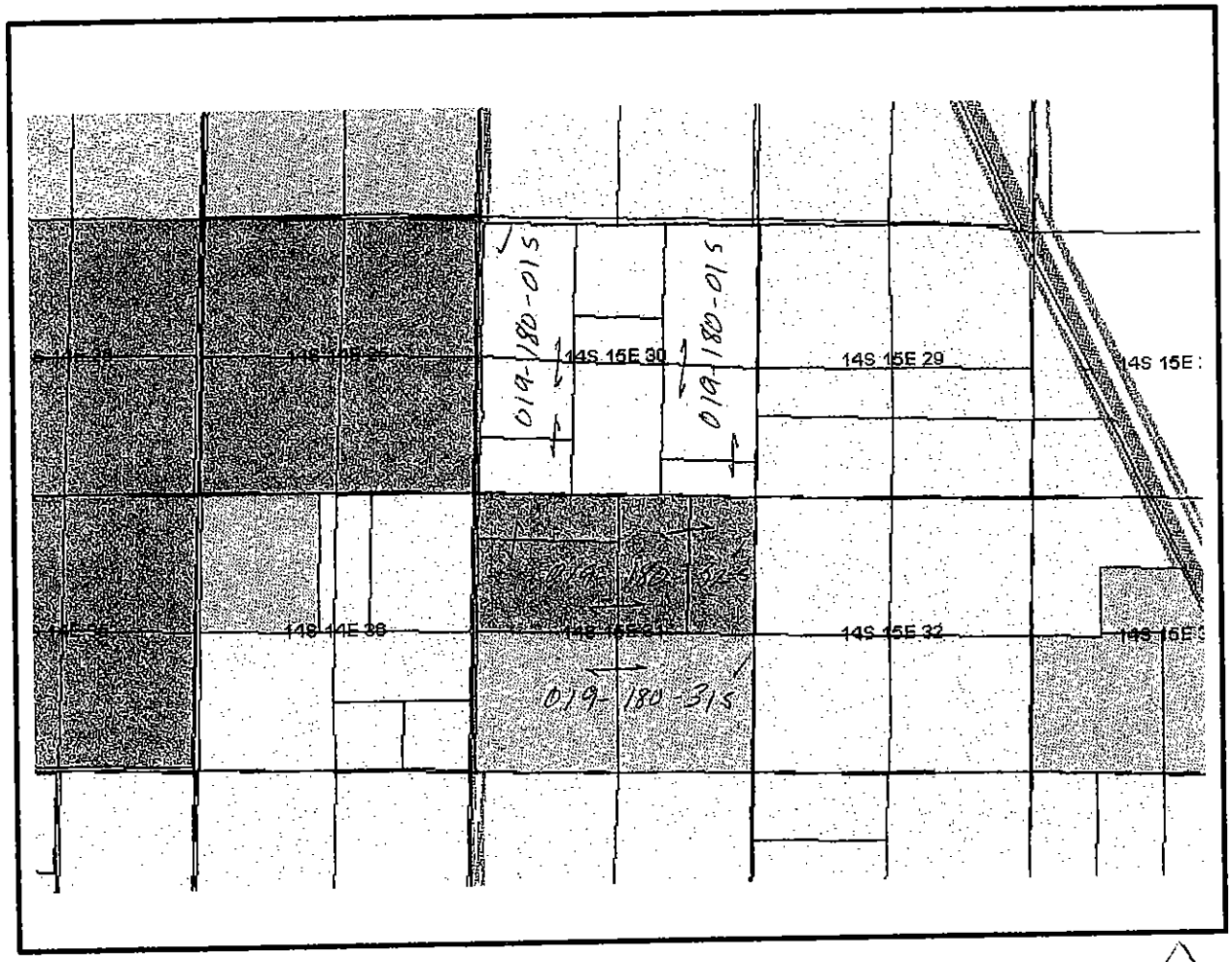
N

Wednesday, May 7 2003

KRIESANT #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

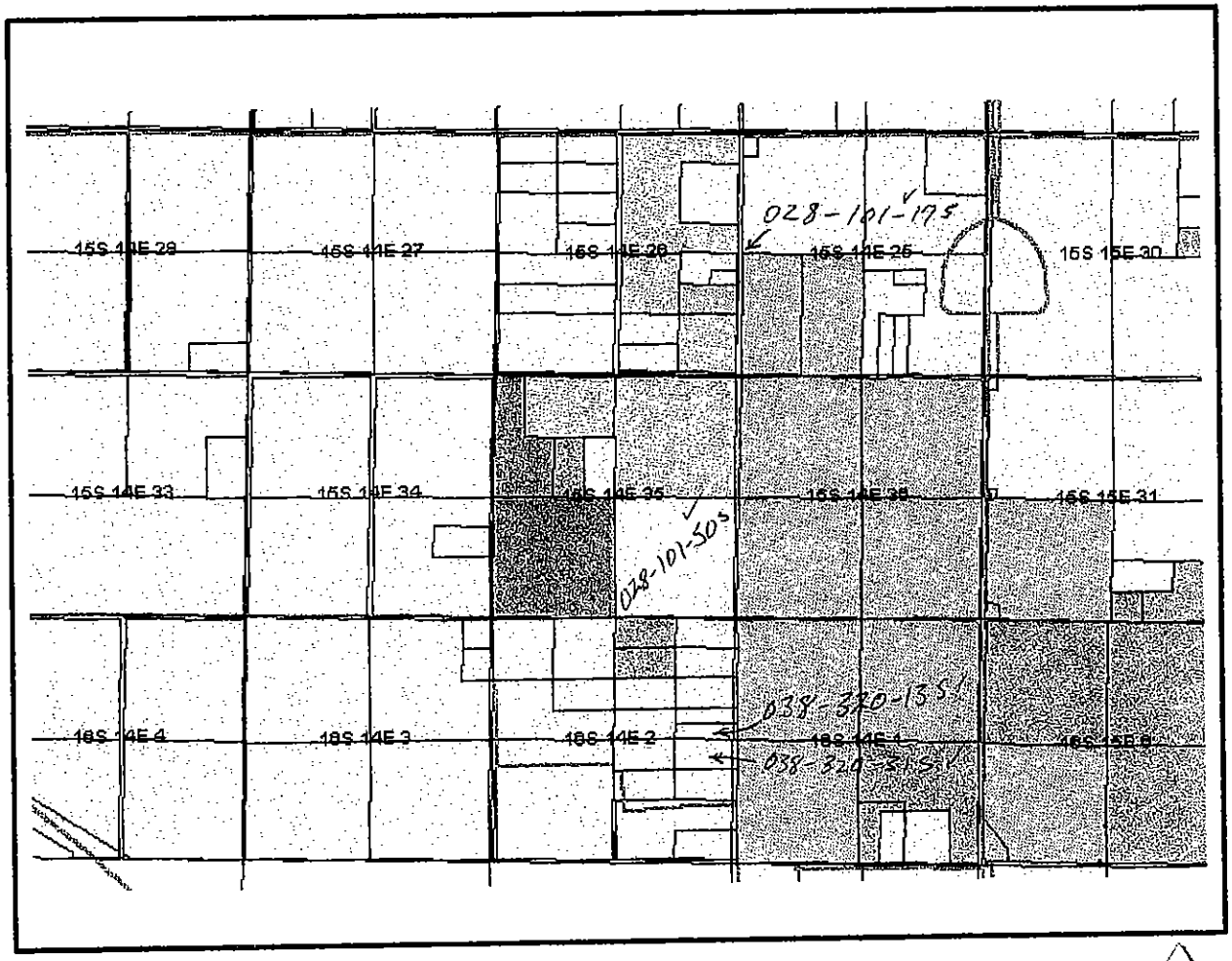
N

Thursday, May 8 2003

KRIESANT #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

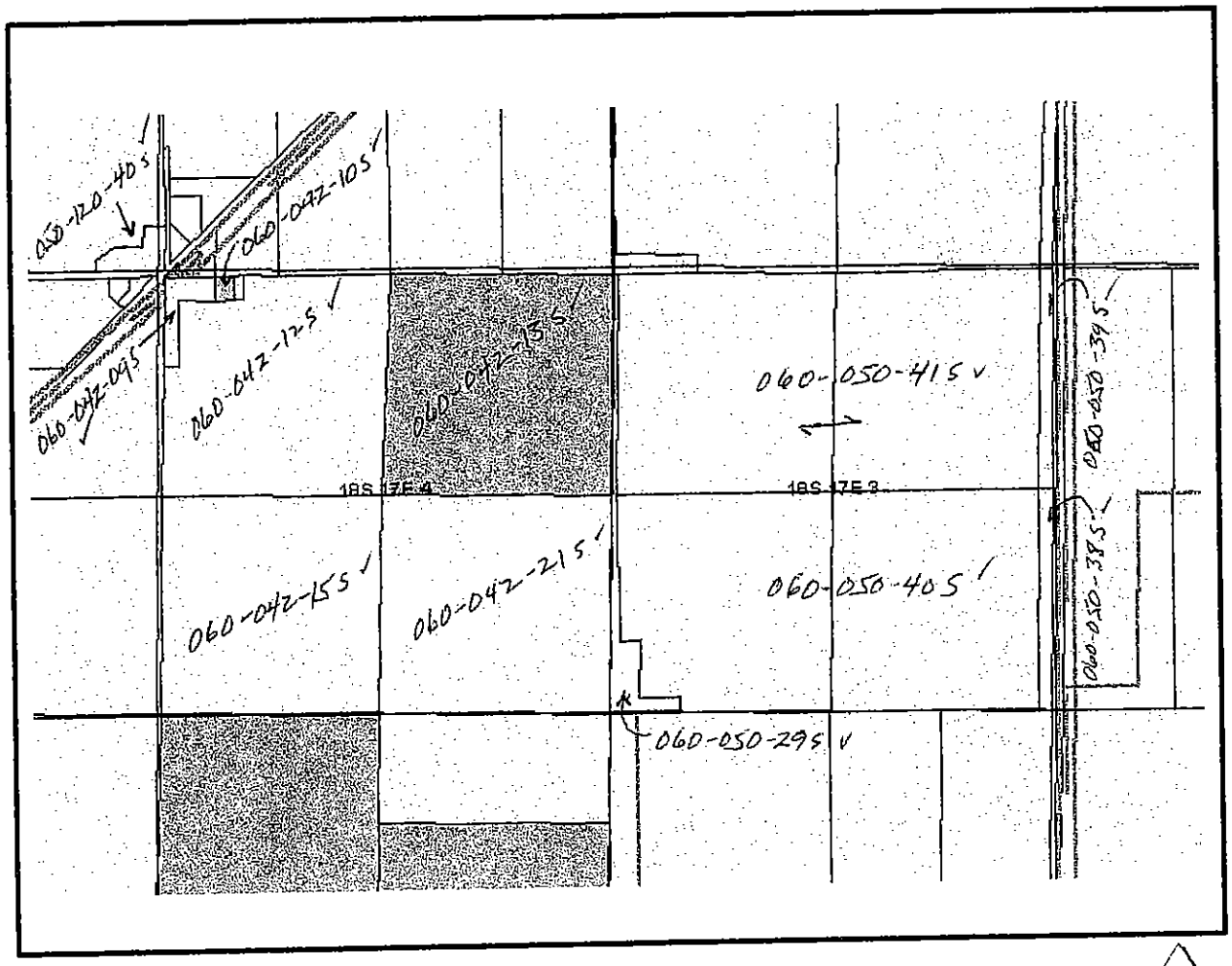
N

Thursday, May 8 2003

O'NEILL #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

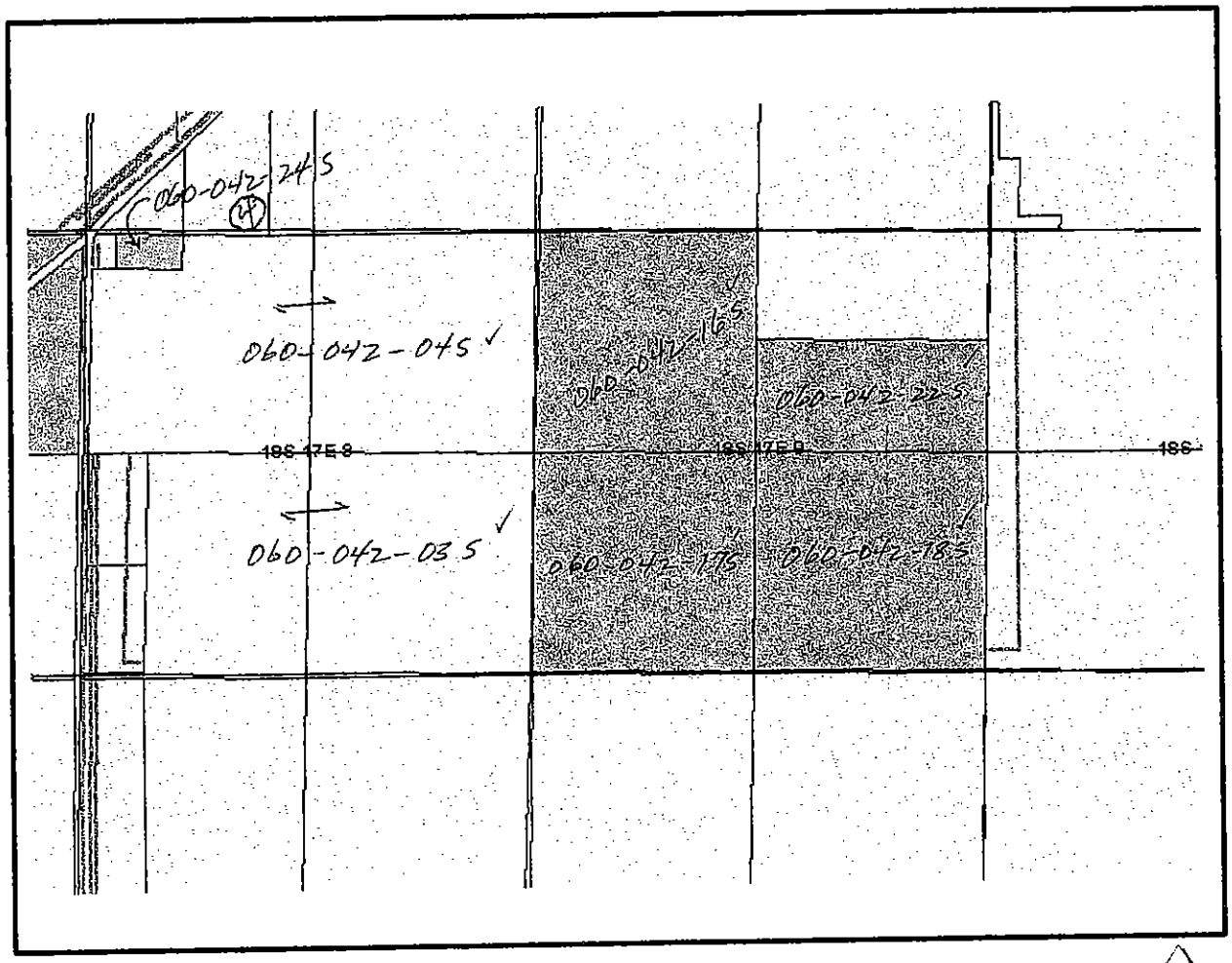
N

Thursday, May 8 2003

O'NEILL #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

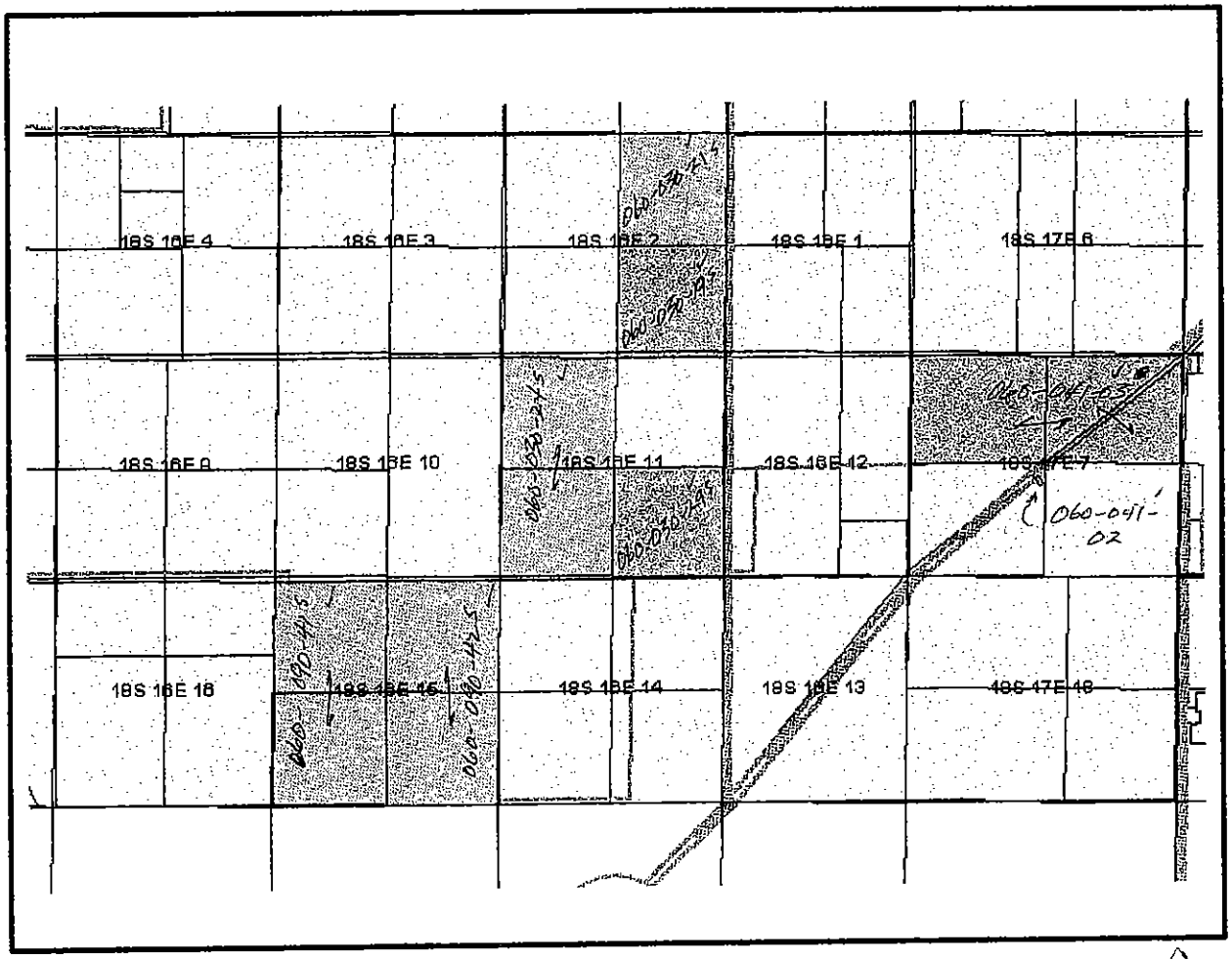
N

Thursday, May 8 2003

O'NEILL #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

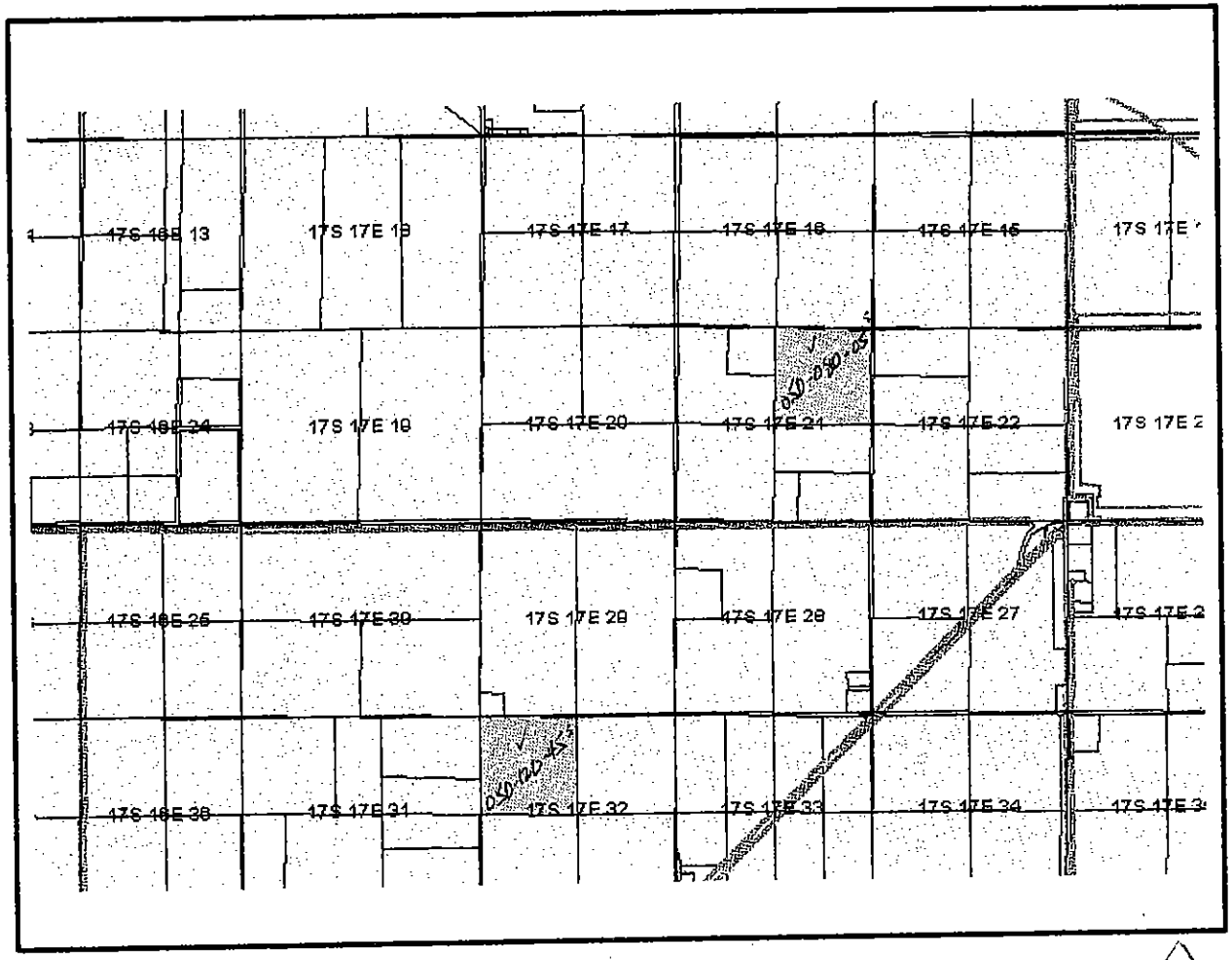
N

Thursday, May 8 2003

O'NEILL #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

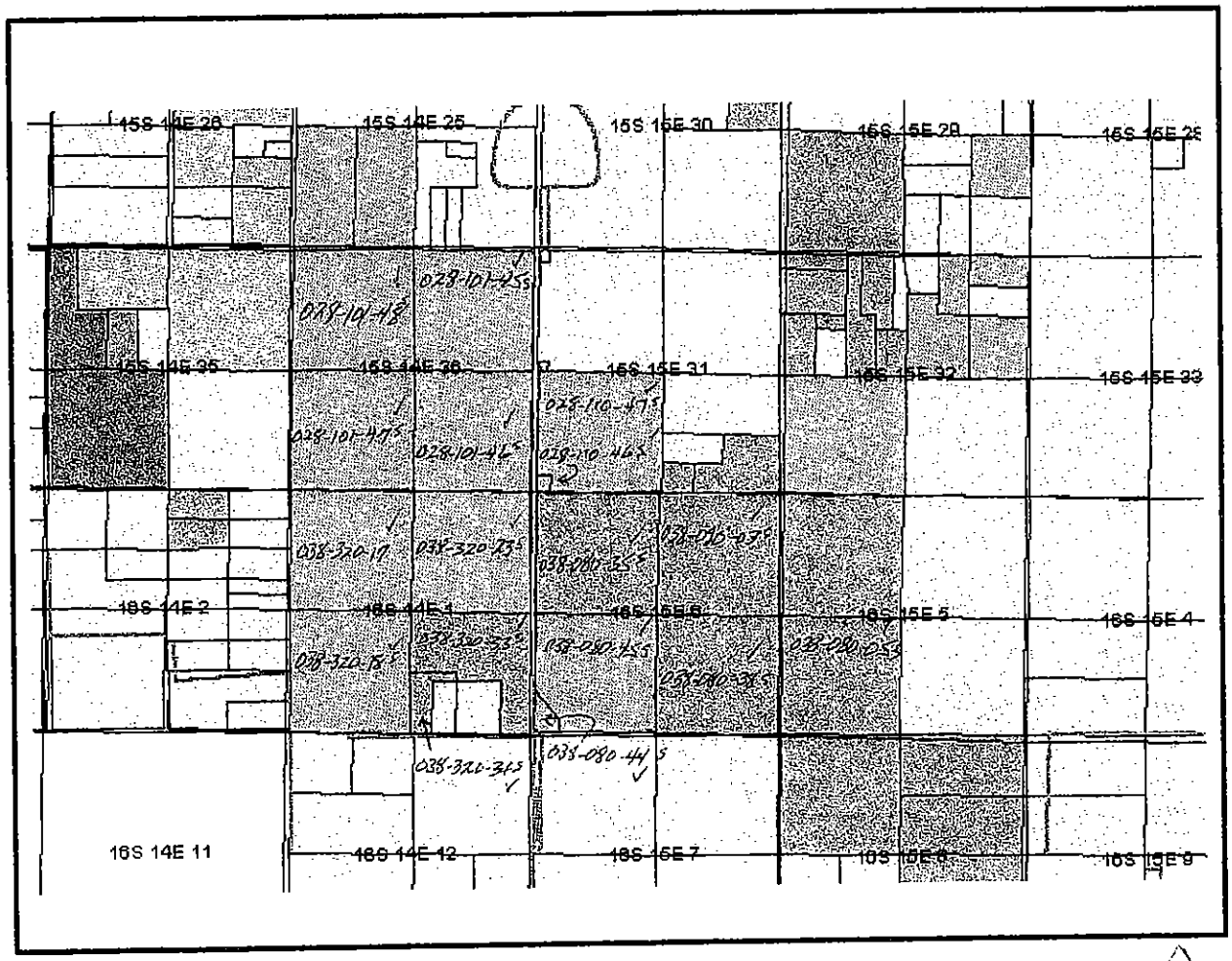
N

Thursday, May 8 2003

PECK #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

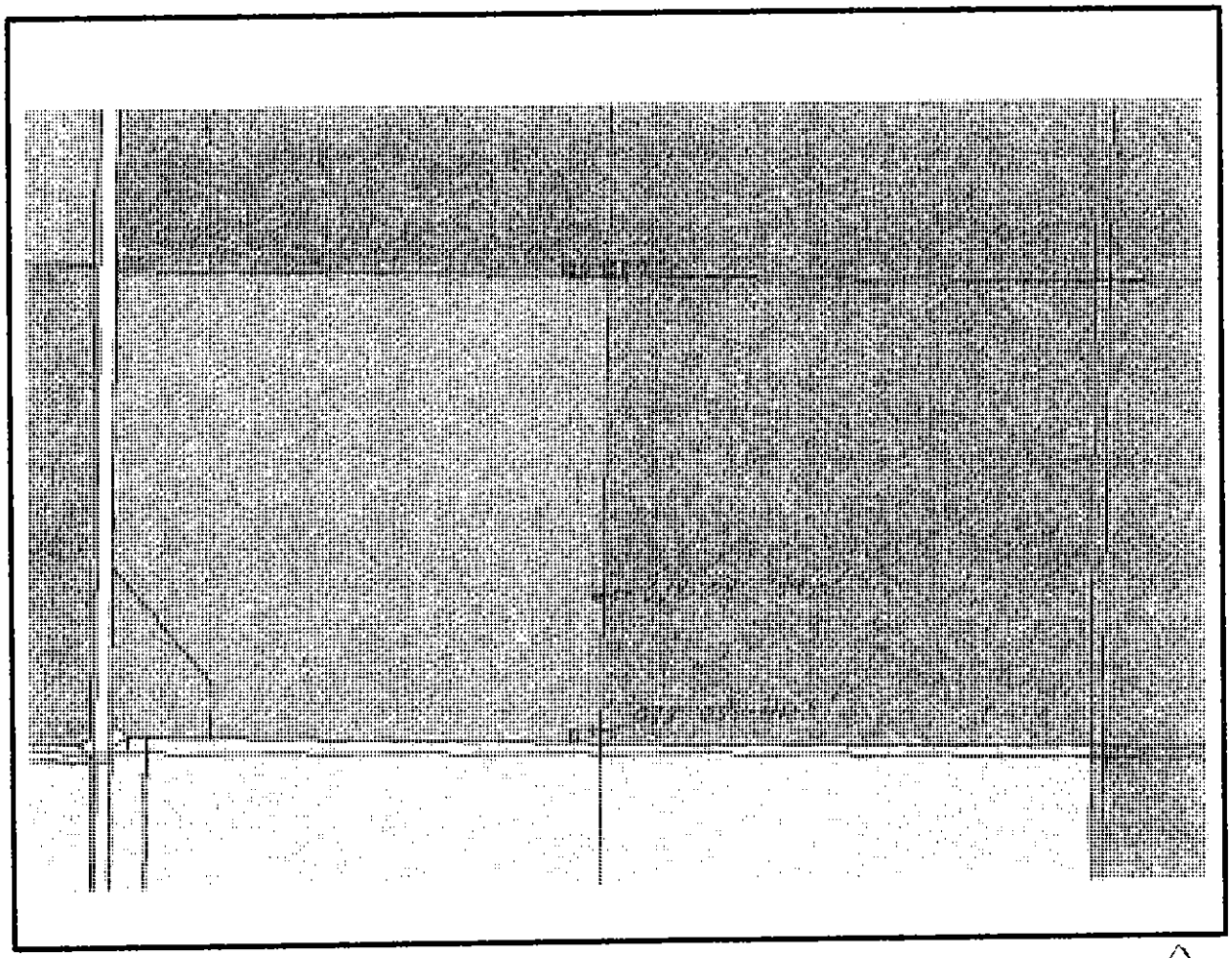
N

Friday, May 9 2003

PECK #2

ESRI ArcExplorer 2.0

Map Title



trlinescalvi (NEWFIELD1)
a2a3
a2a3a4
a3a4
phase4
phase3
phase2
phase1
200k_CA_IV
wwdpavedroadscaliv
WWDBoundryCalIV
retirelands

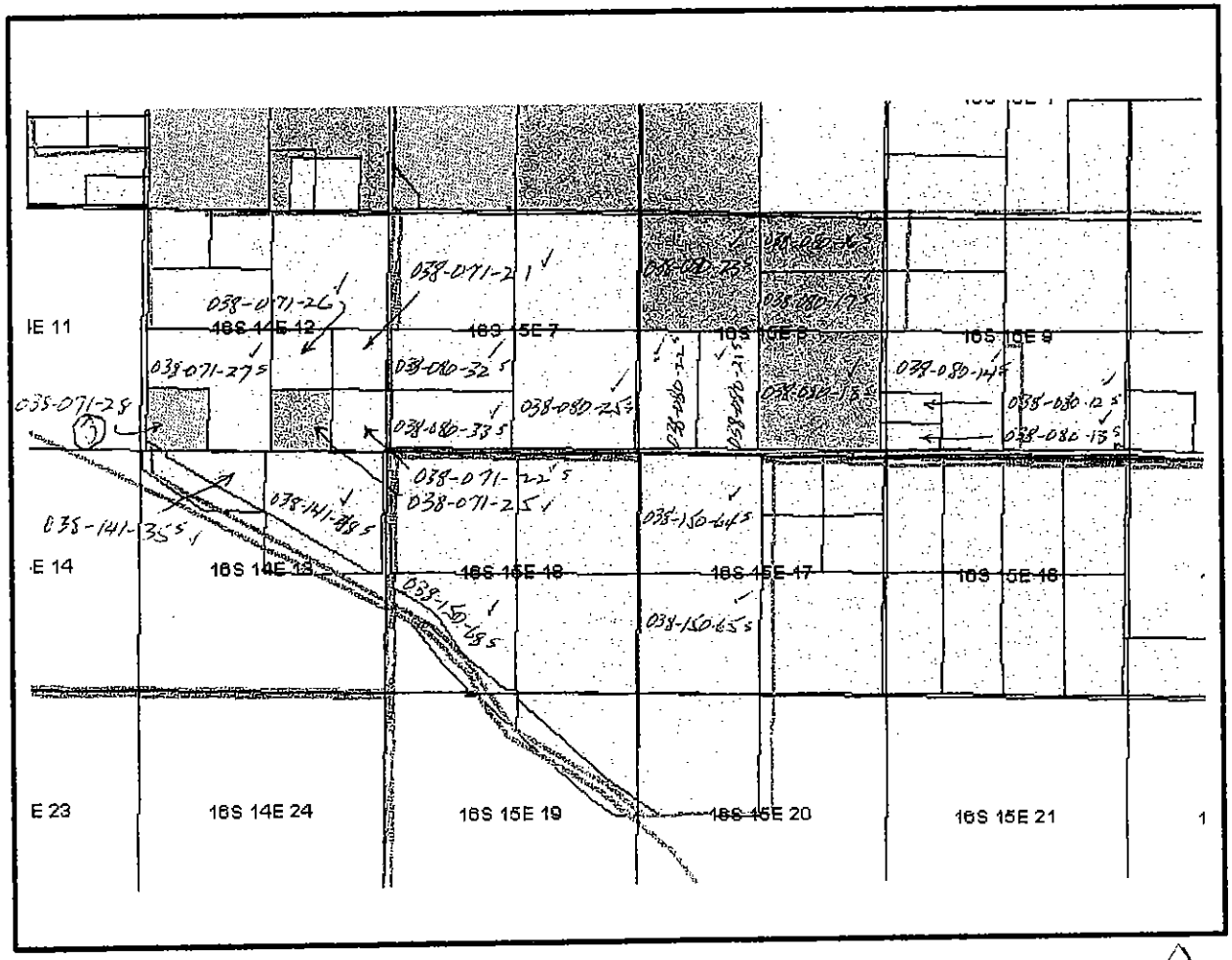
N

Friday, May 9 2003

Peck #5

ESRI ArcExplorer 2.0

Map Title



- trilinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

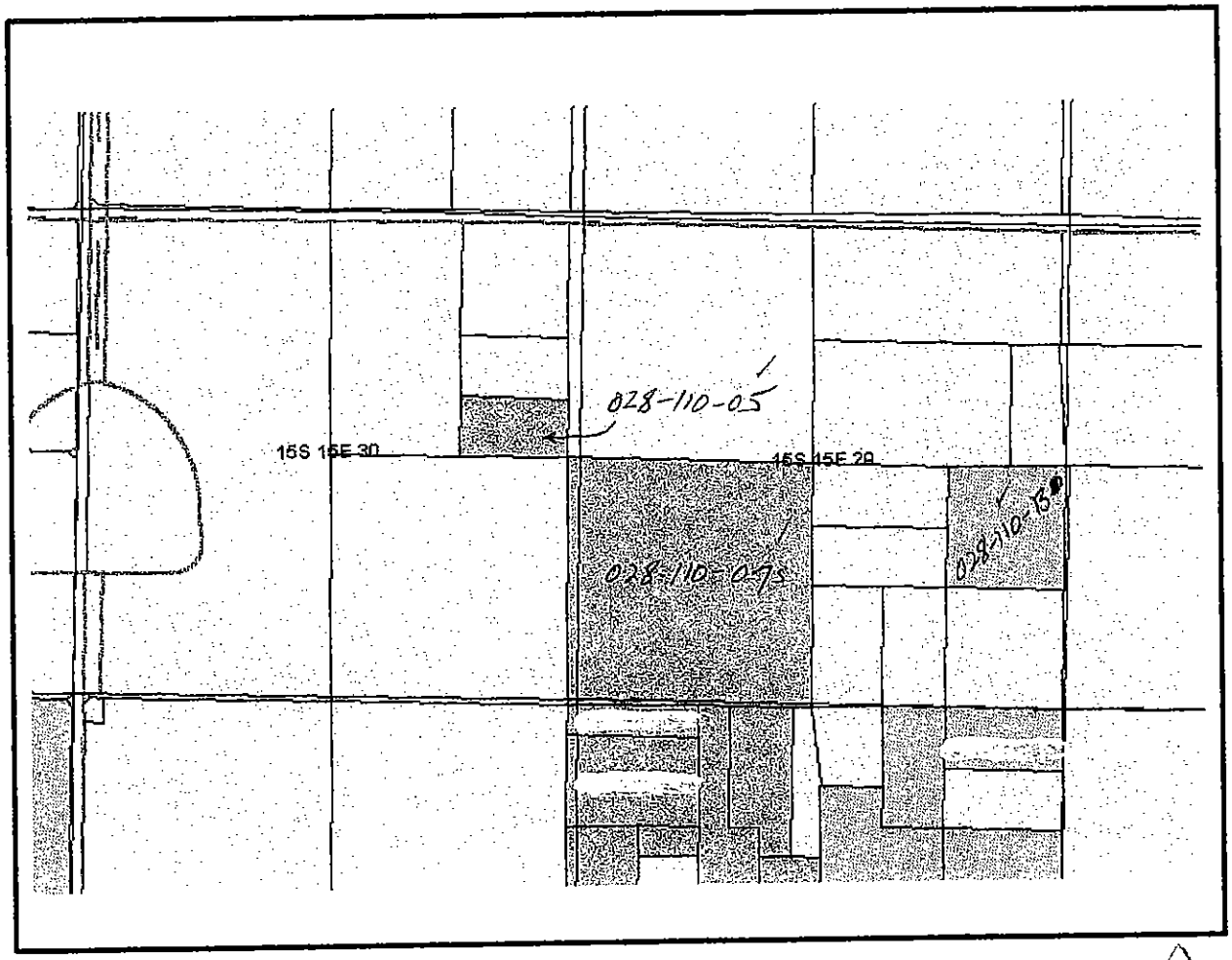
N

Friday, May 9 2003

ORFF #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

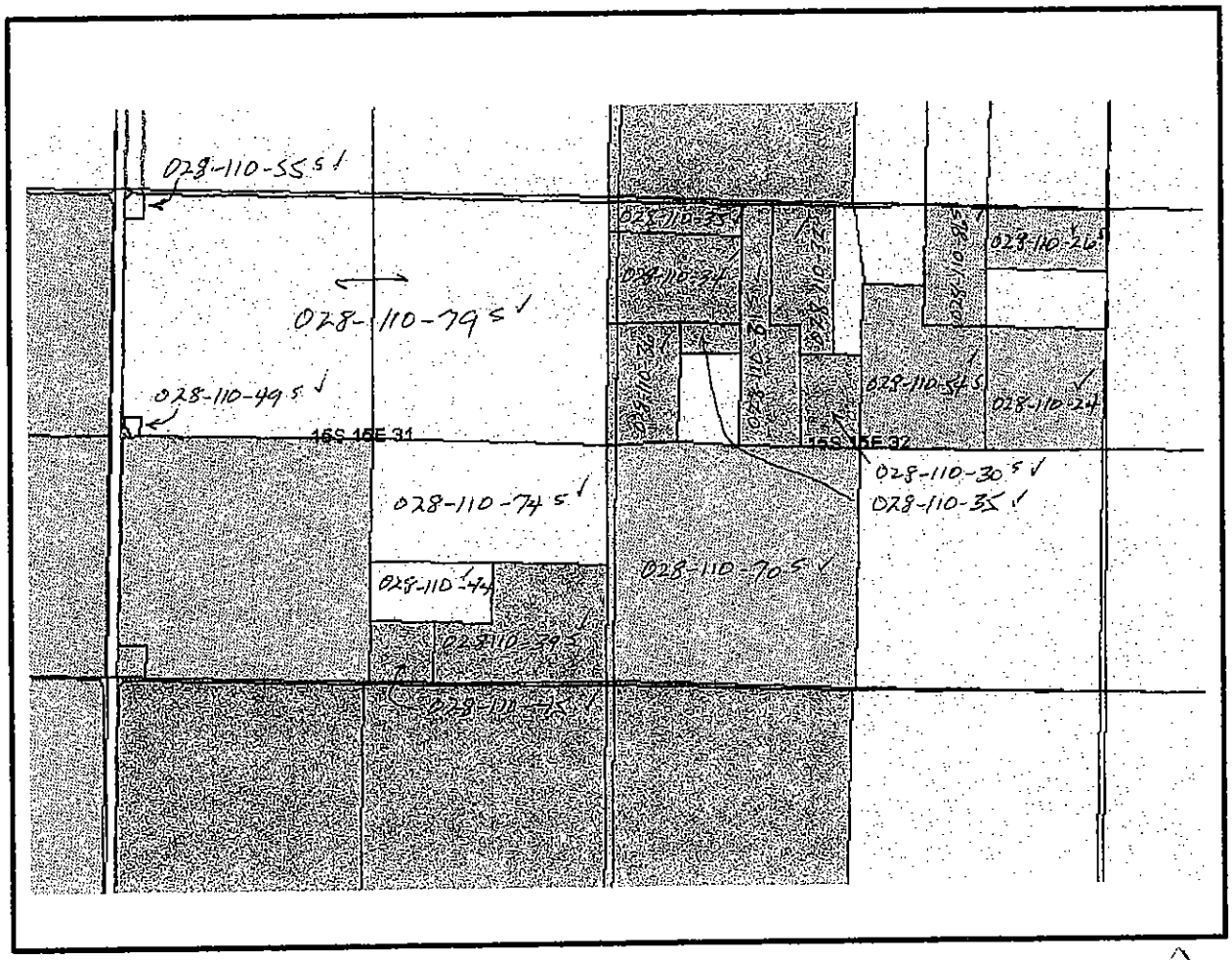
N

Friday, May 9 2003

ORFF #2

ESRI ArcExplorer 2.0

Map Title



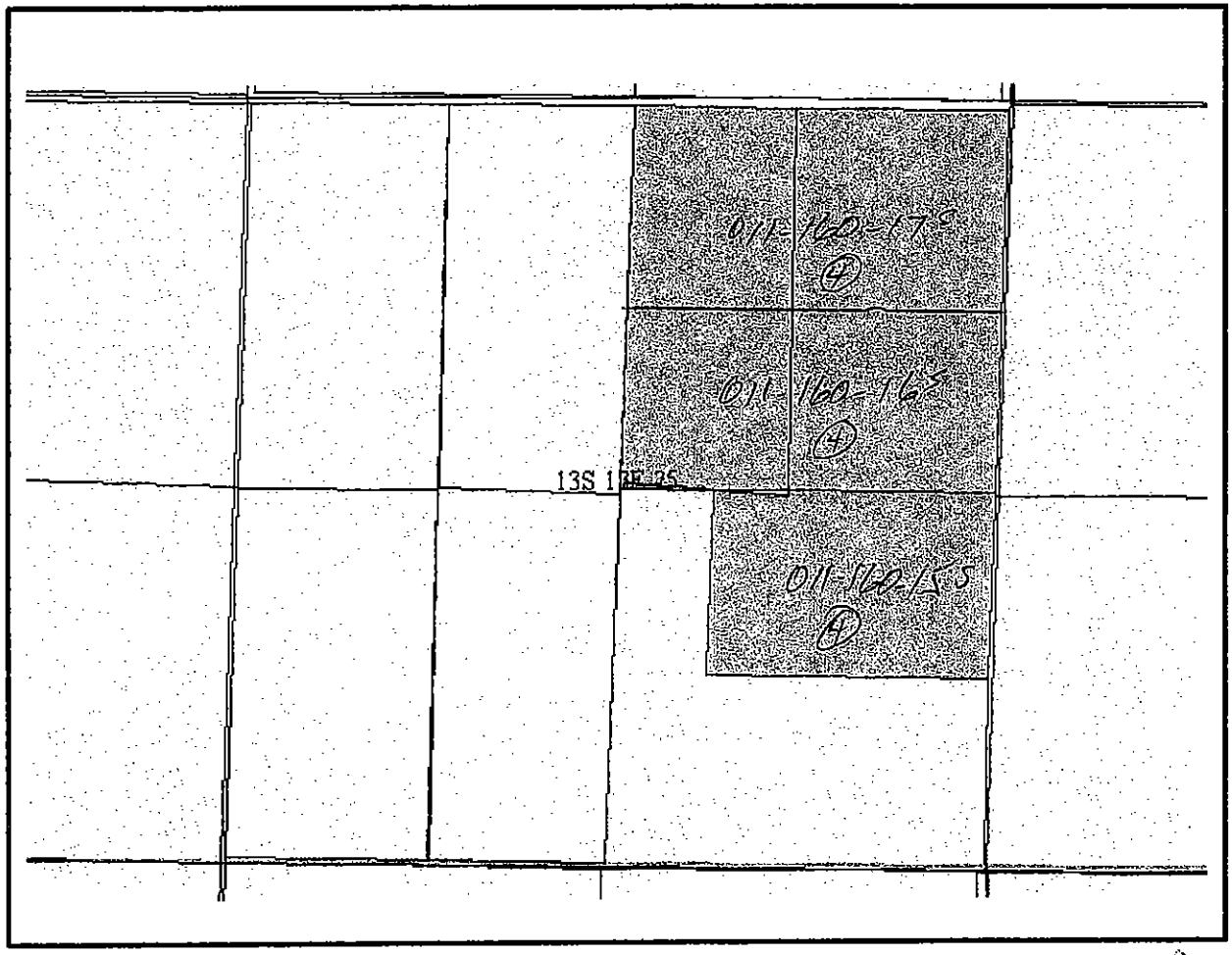
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Friday, May 9 2003

ESRI ArcExplorer 2.0 Seashotty #1

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

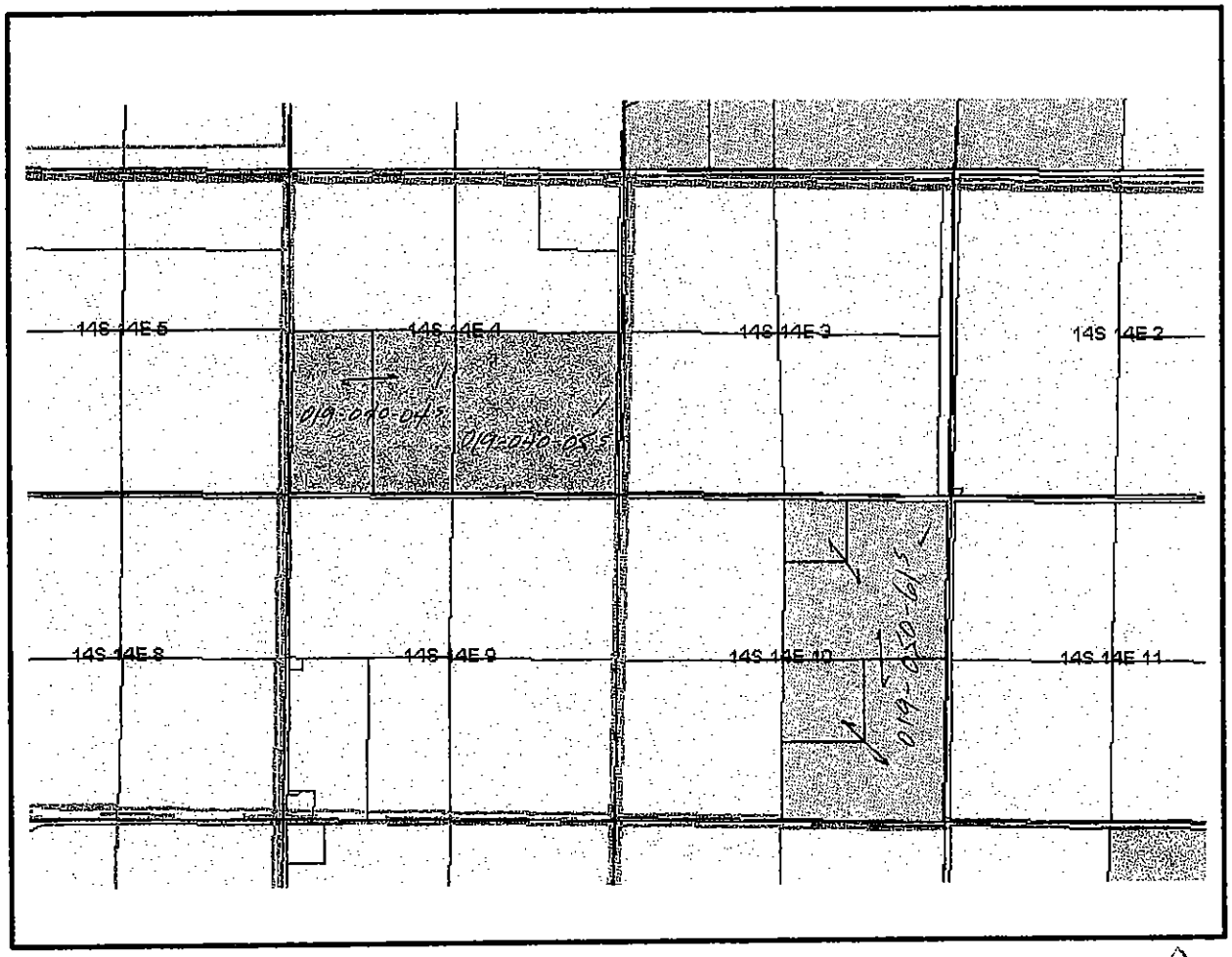
N

Tuesday, May 13 2003

SEASHOLTZ #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

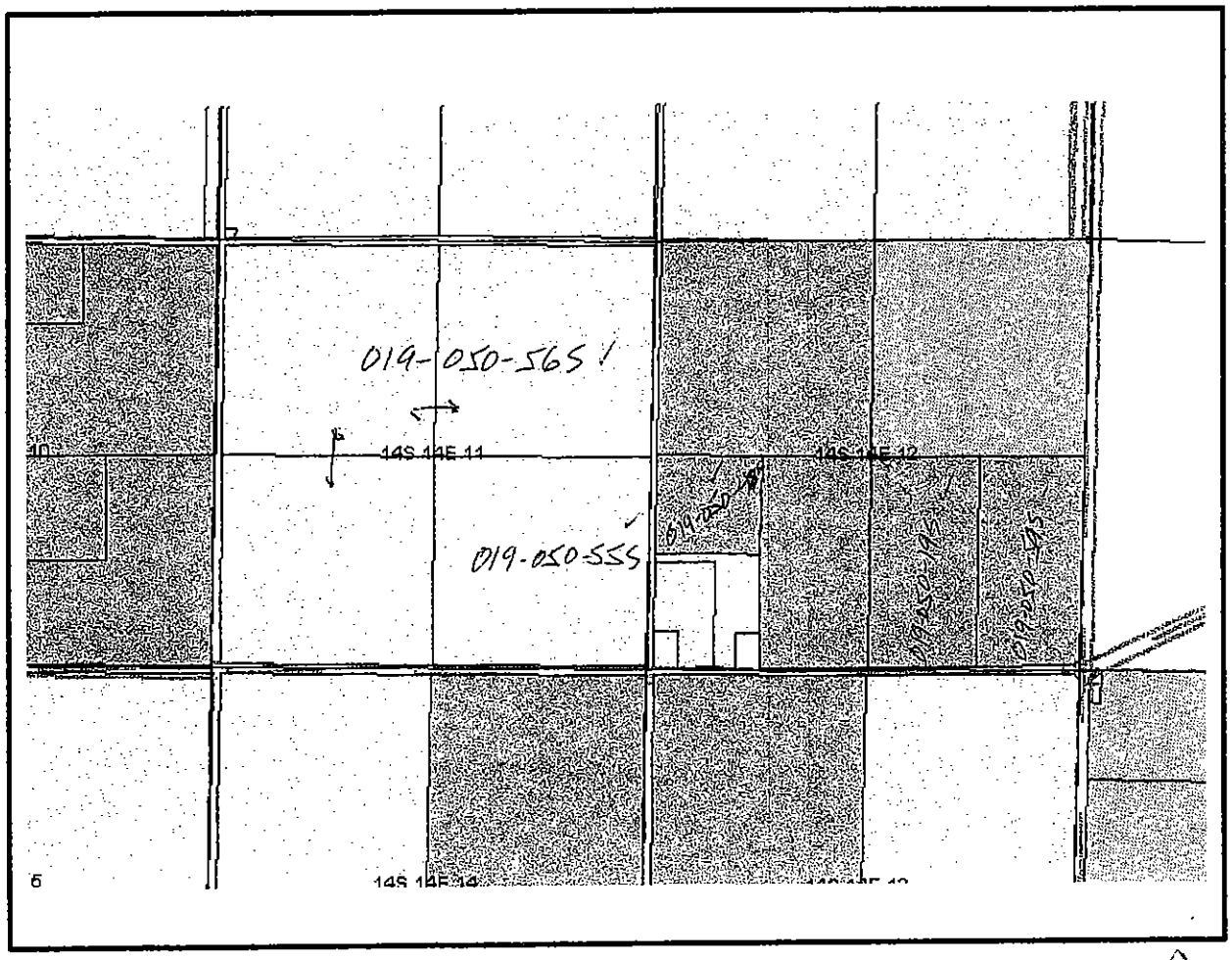
N

Friday, May 9 2003

D SILVEIRA #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

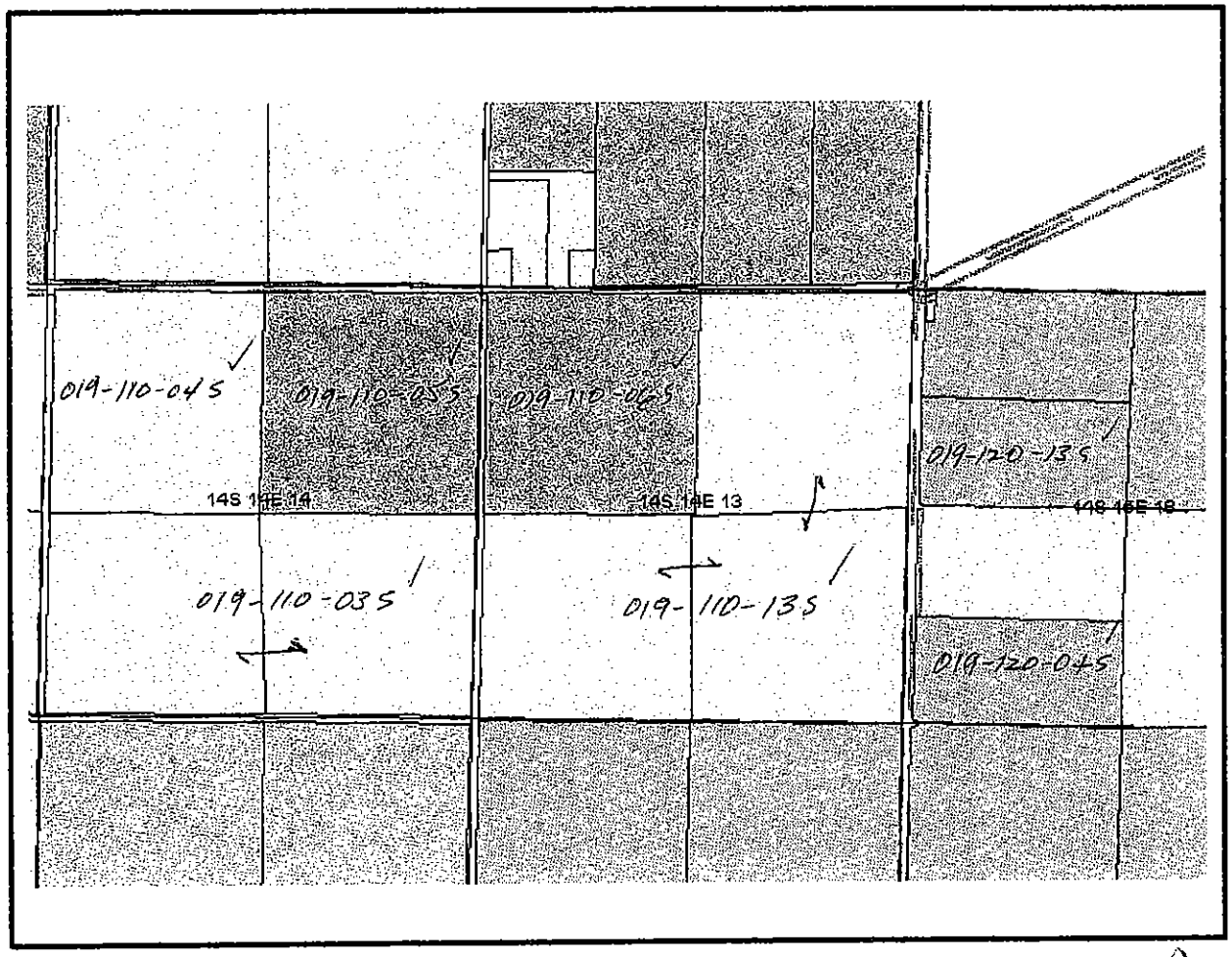
N

Wednesday, May 7 2003

D. SILVEIRA #2

ESRI ArcExplorer 2.0

Map Title



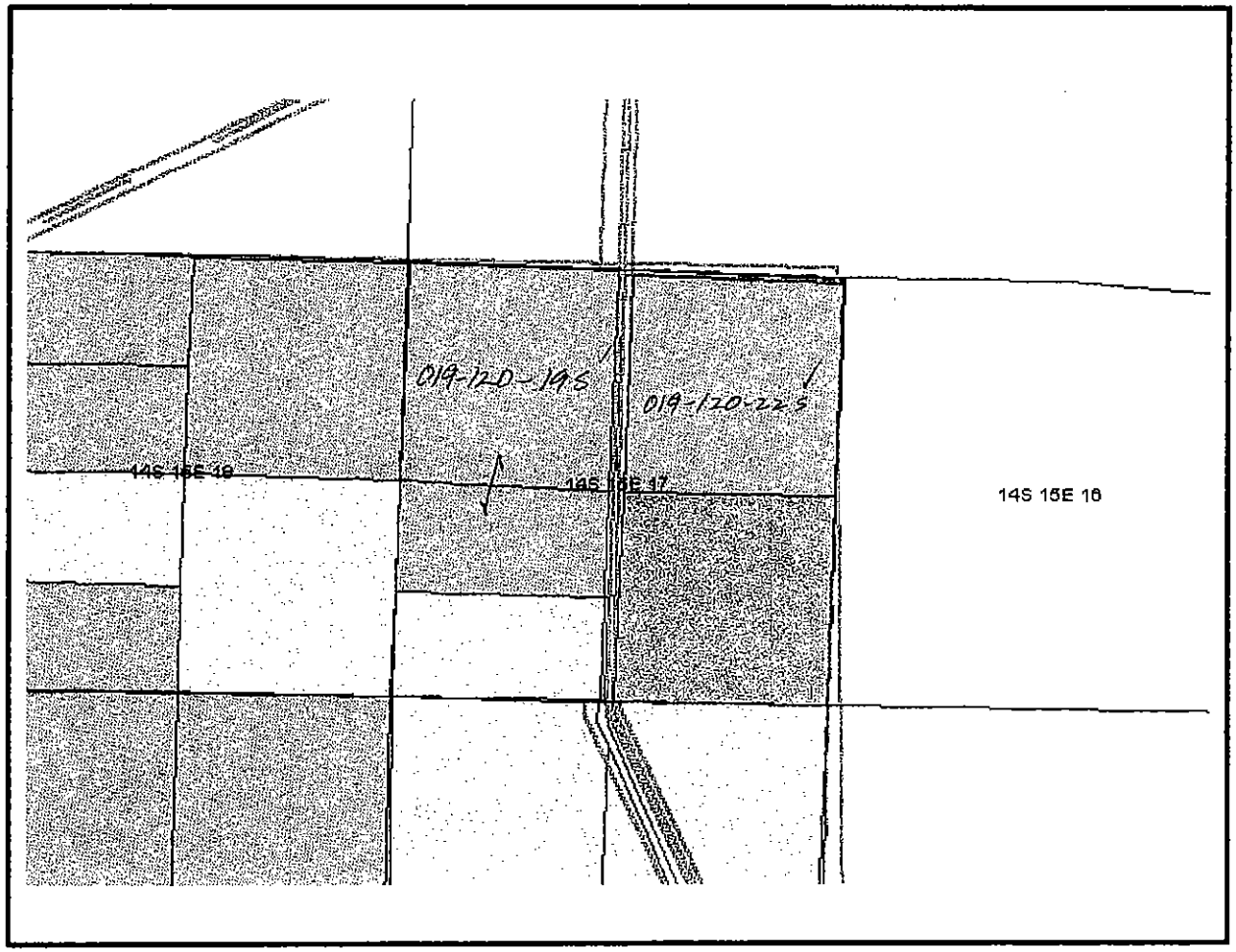
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Wednesday, May 7 2003

ESRI ArcExplorer 2.0 Silveira D #3

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

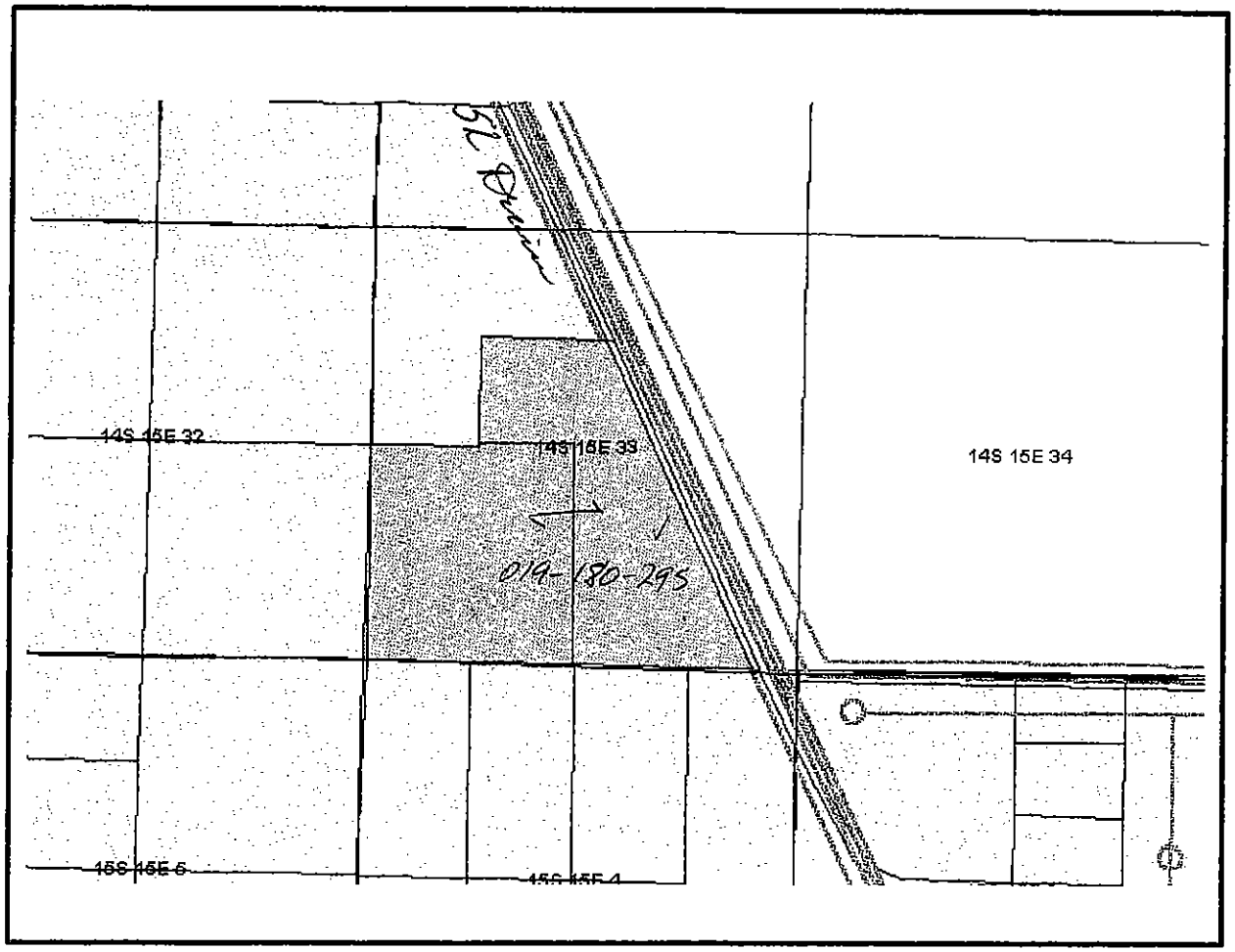
N

Wednesday, May 7 2003

D. SILVEIRA #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

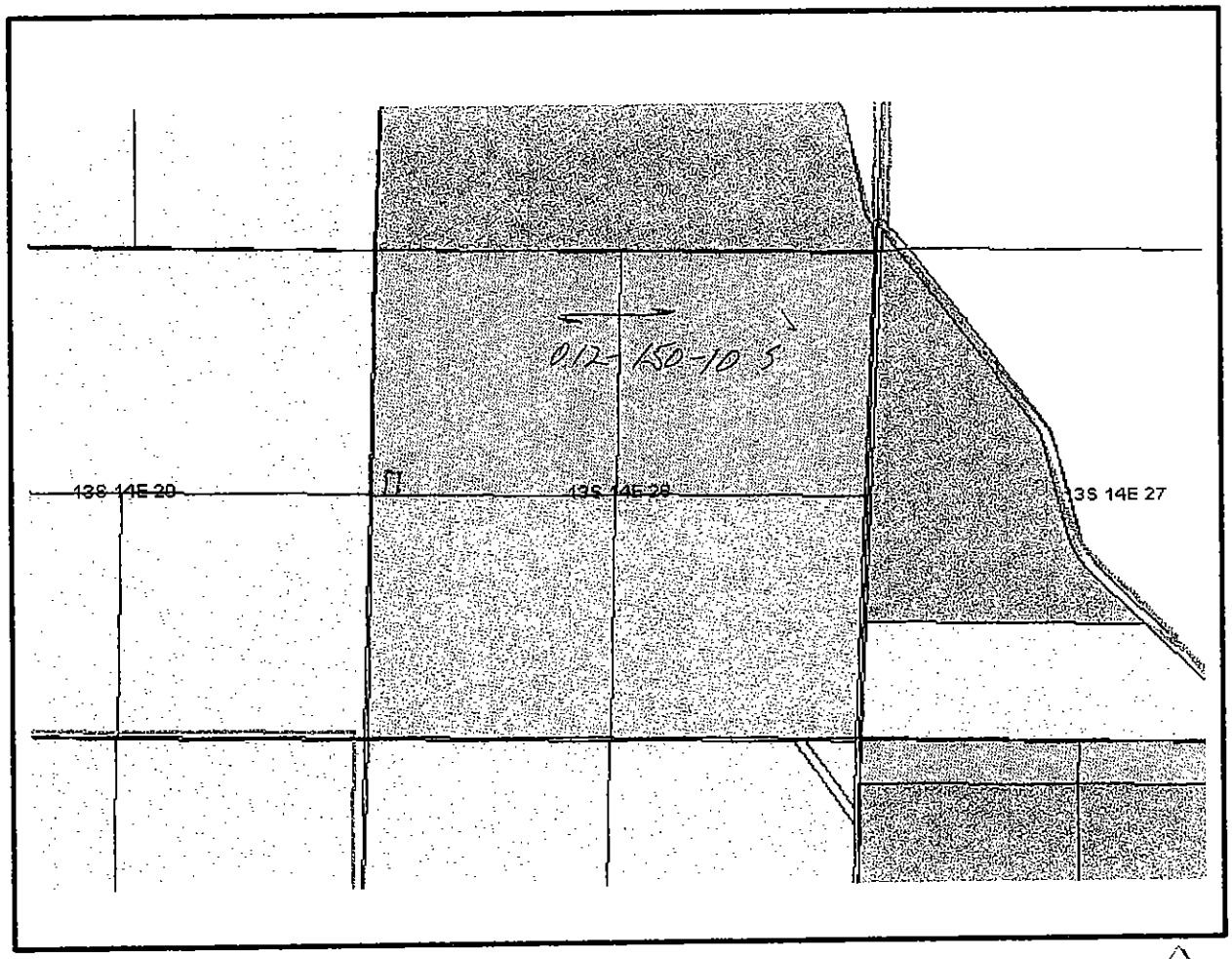
N

Wednesday, May 7 2003

SILVEIRA M.

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

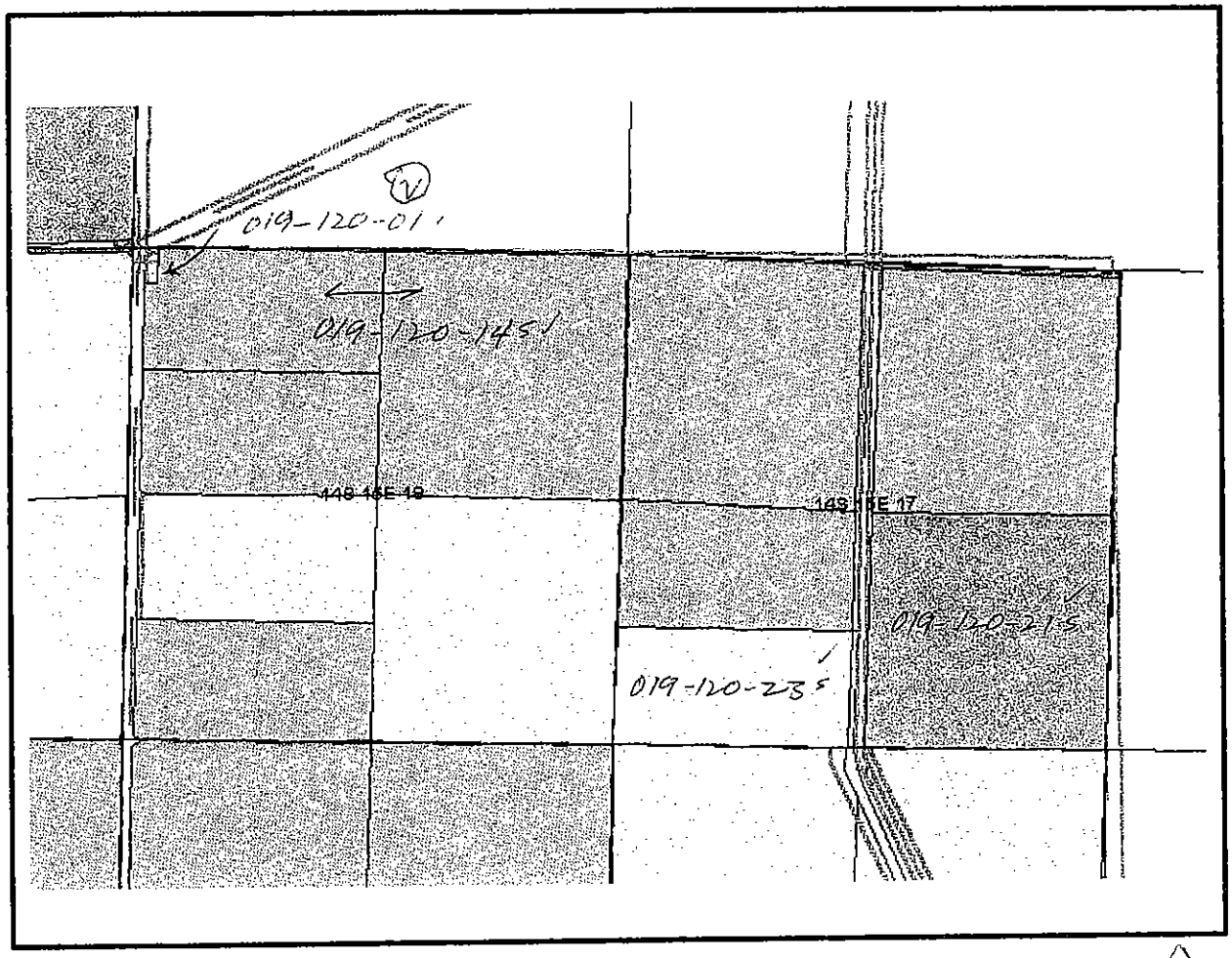
N

Thursday, May 8 2003

SILVEIRA MTR.

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

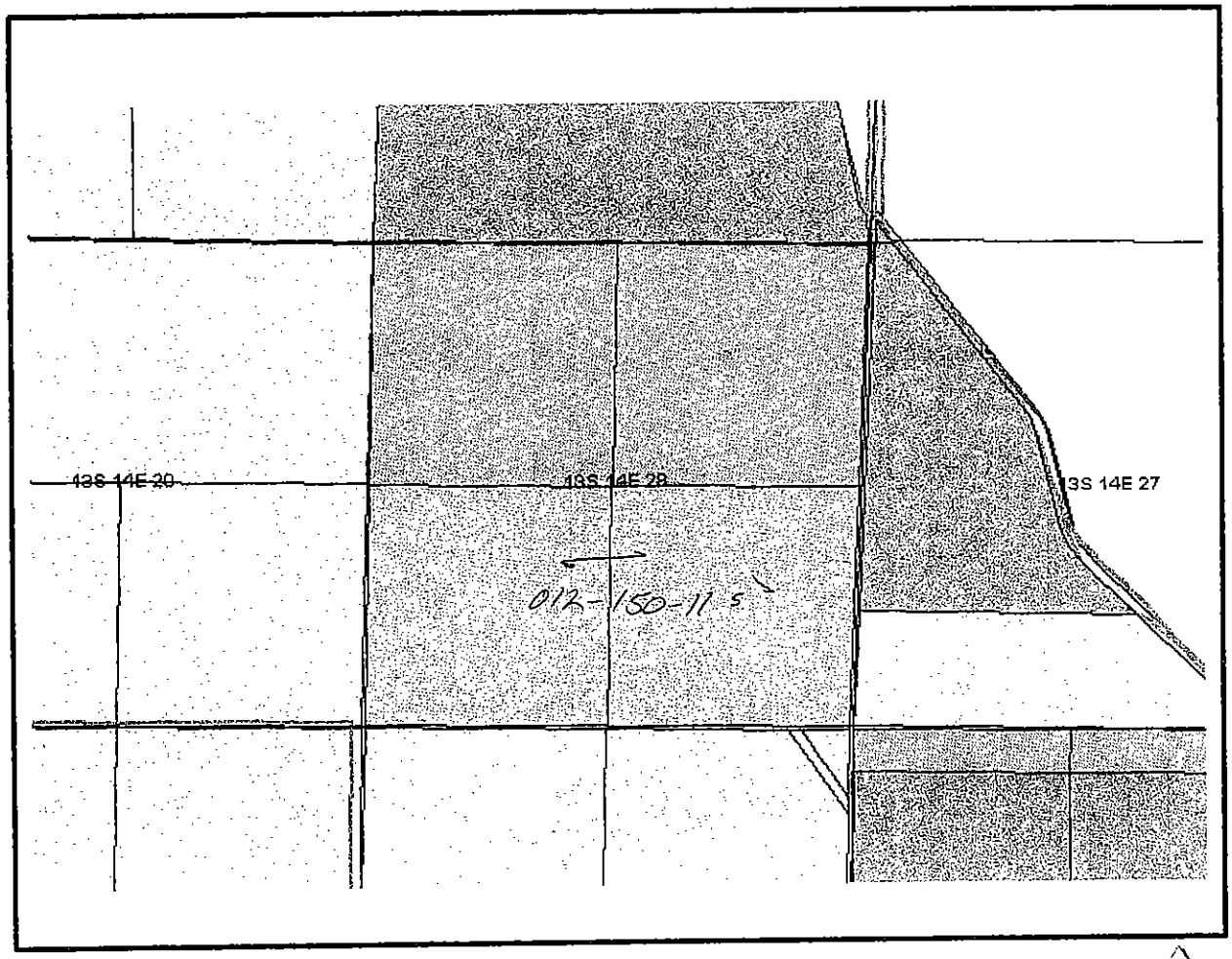
N

Thursday, May 8 2003

R. SILVEIRA

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

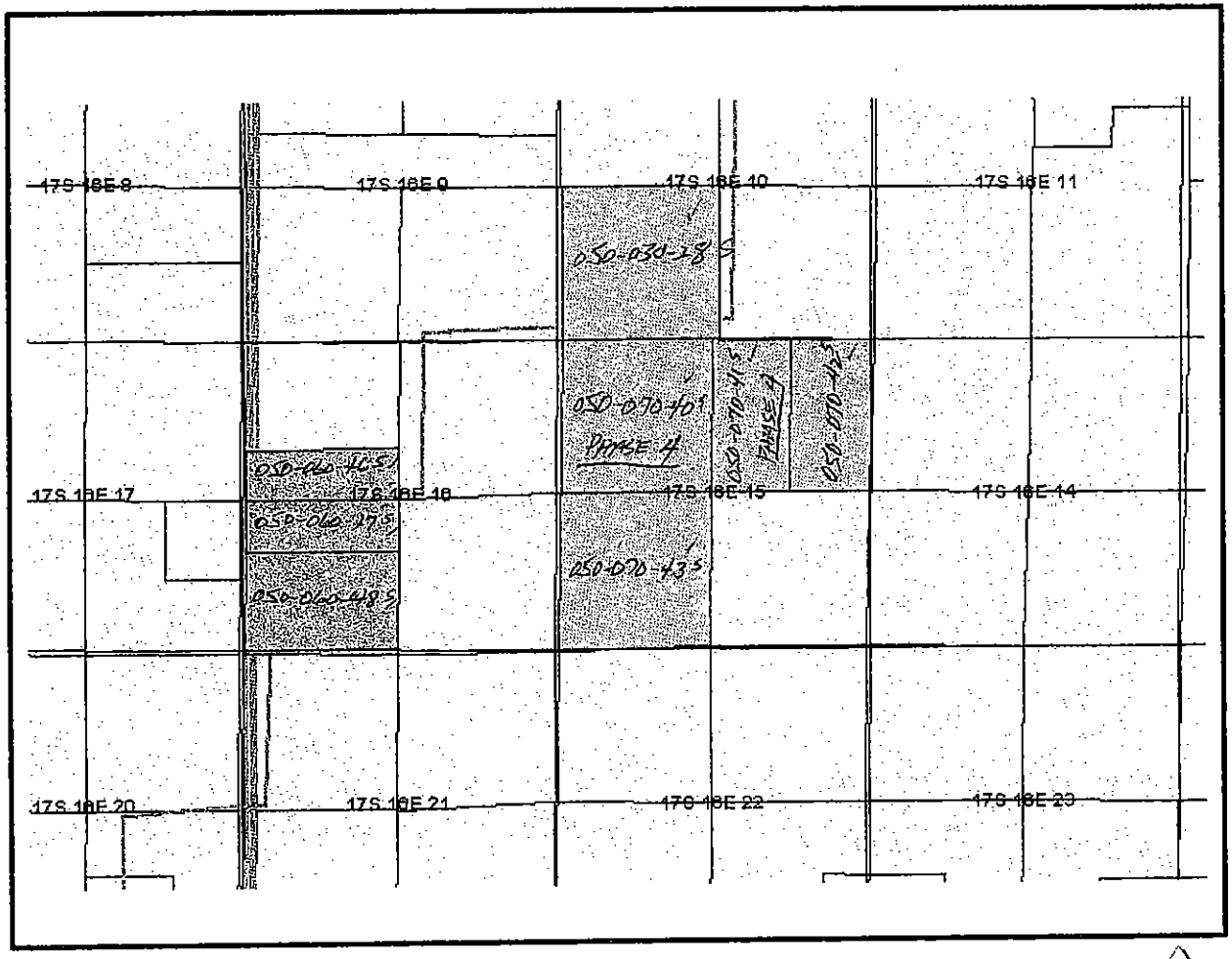
N

Friday, May 9 2003

THOMSEN

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

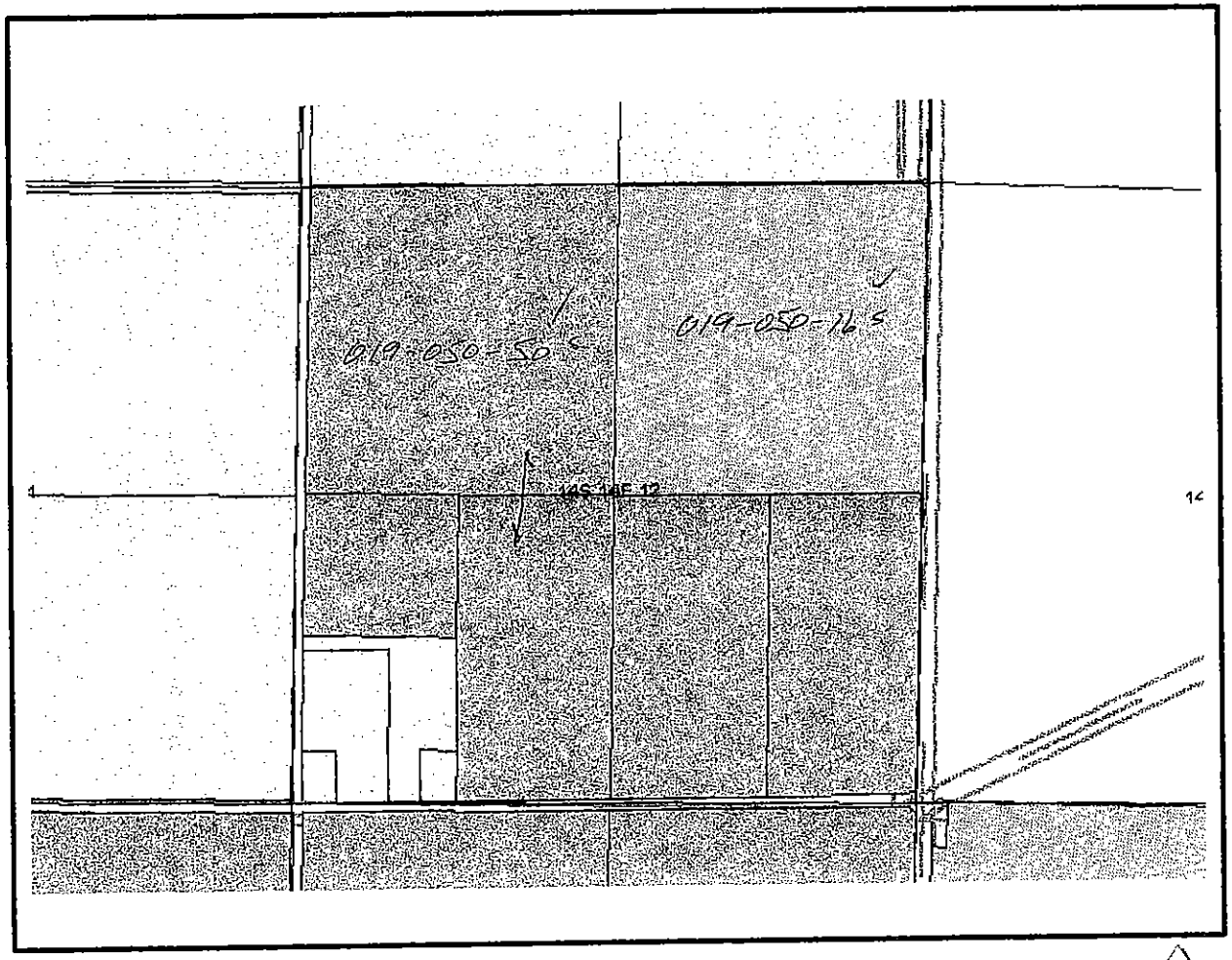
Monday, May 12 2003

'05 4'21

WALTON

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

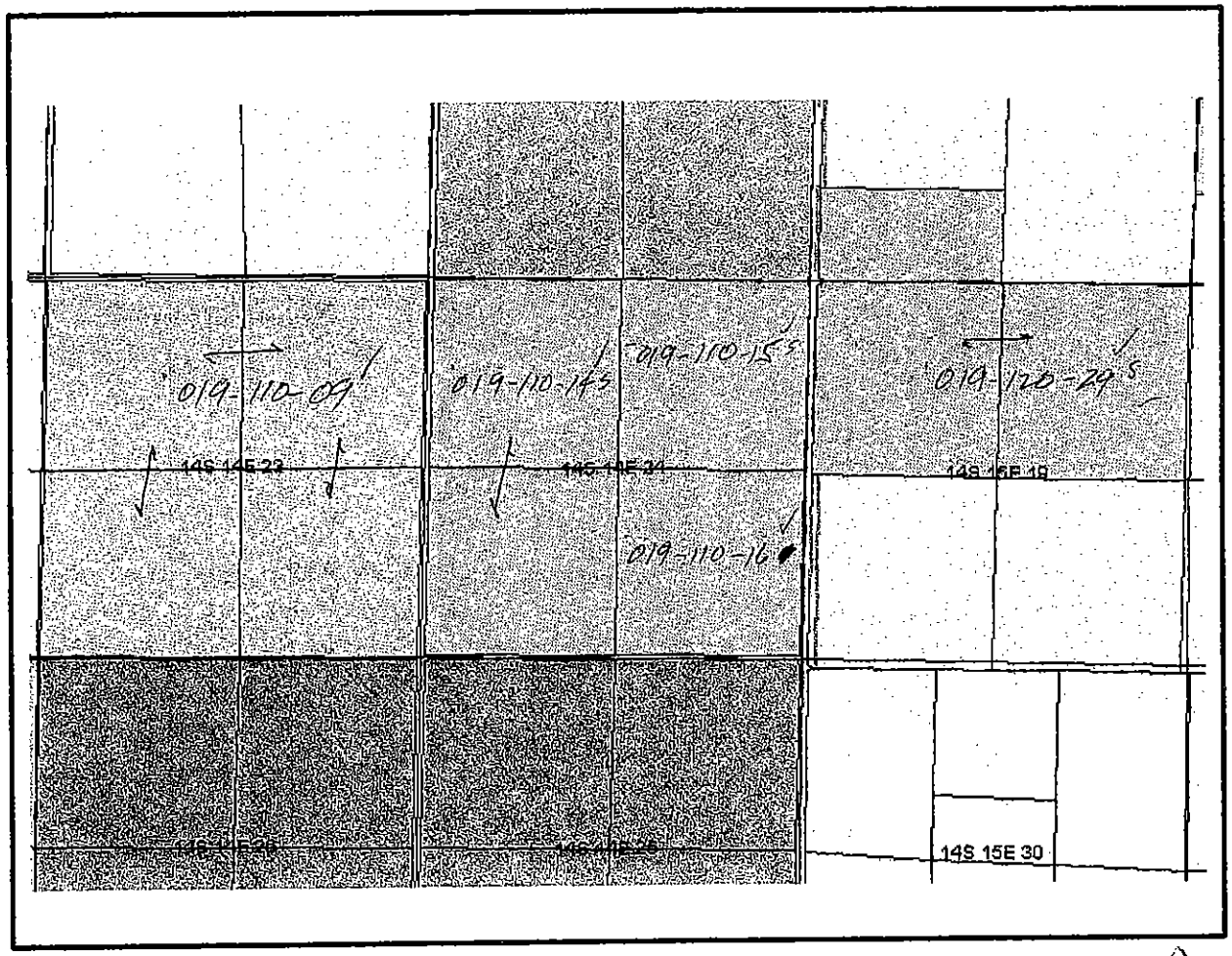
N

Monday, May 12 2003

WOLFSEN #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

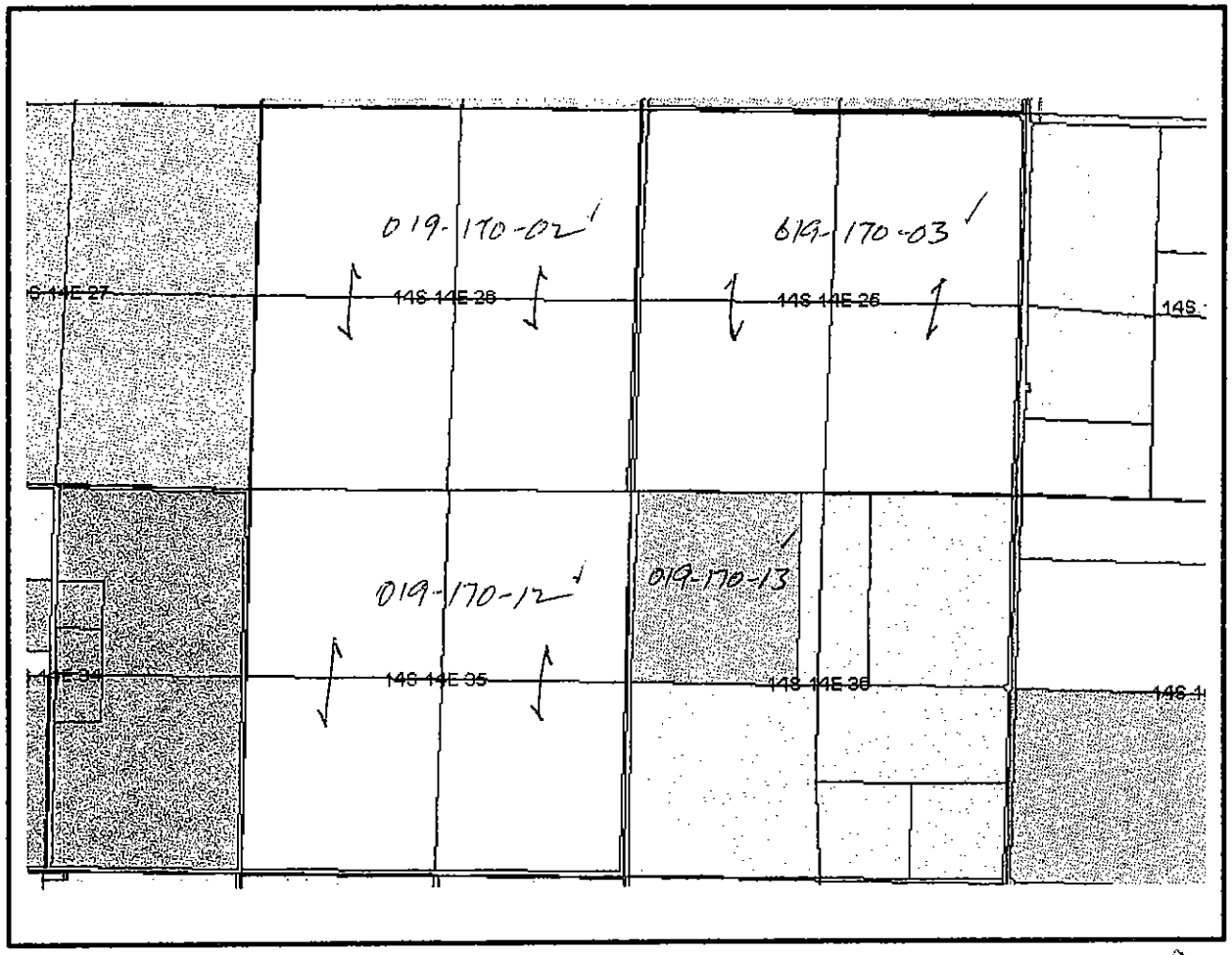
N

Monday, May 12 2003

WOLFSEN #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

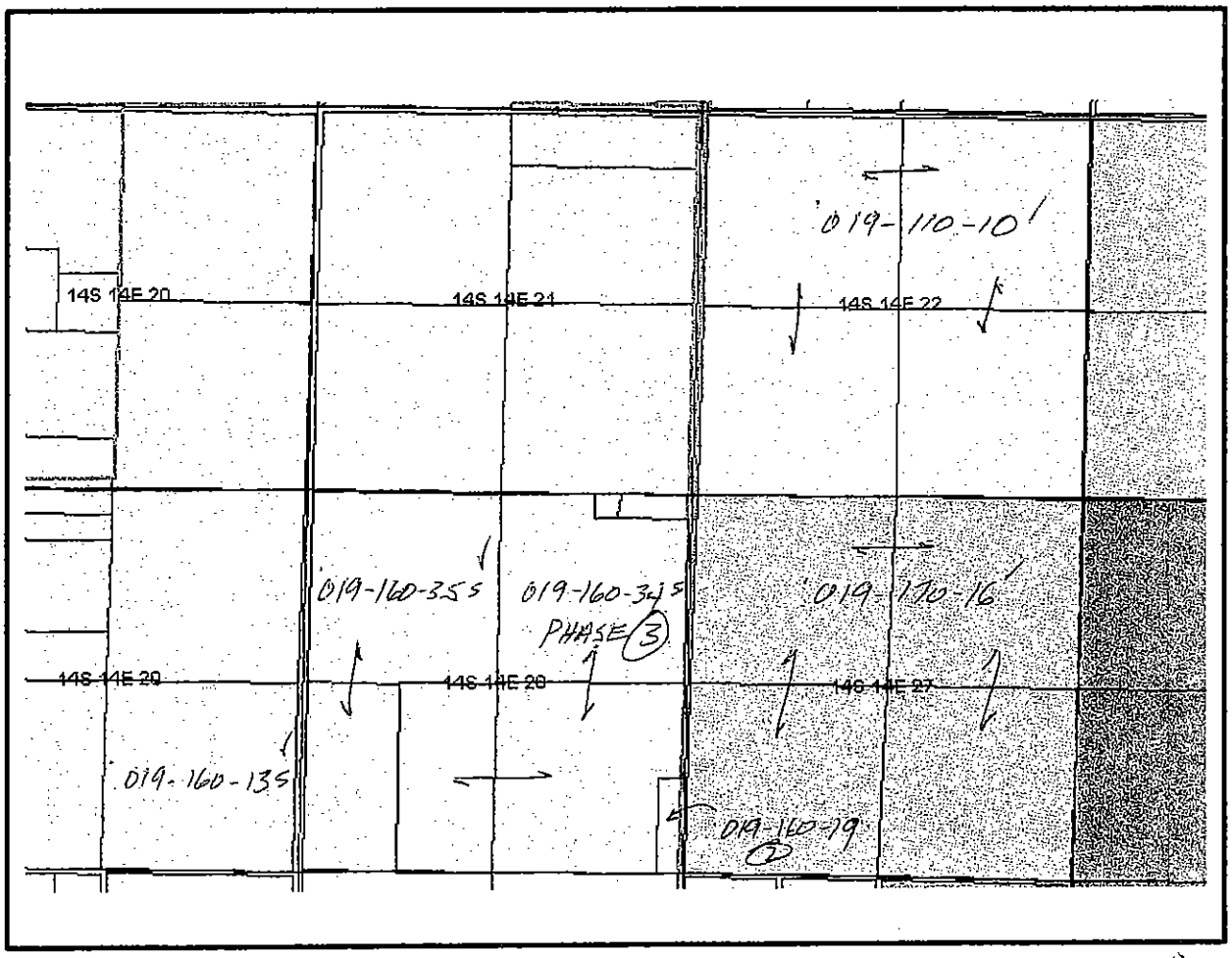
N

Monday, May 12 2003

WOLFSEN #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

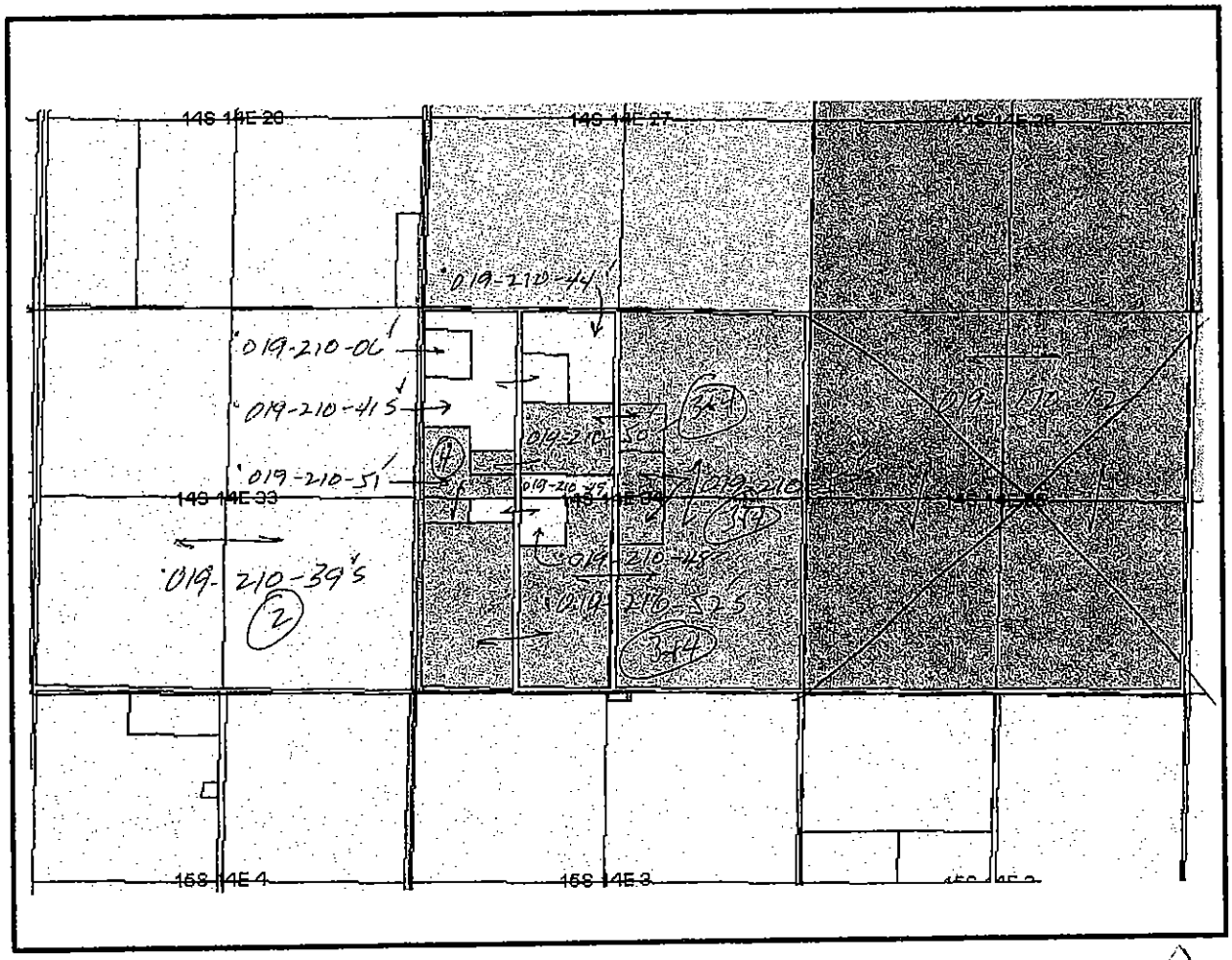
N

Monday, May 12 2003

WOLFSEN #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

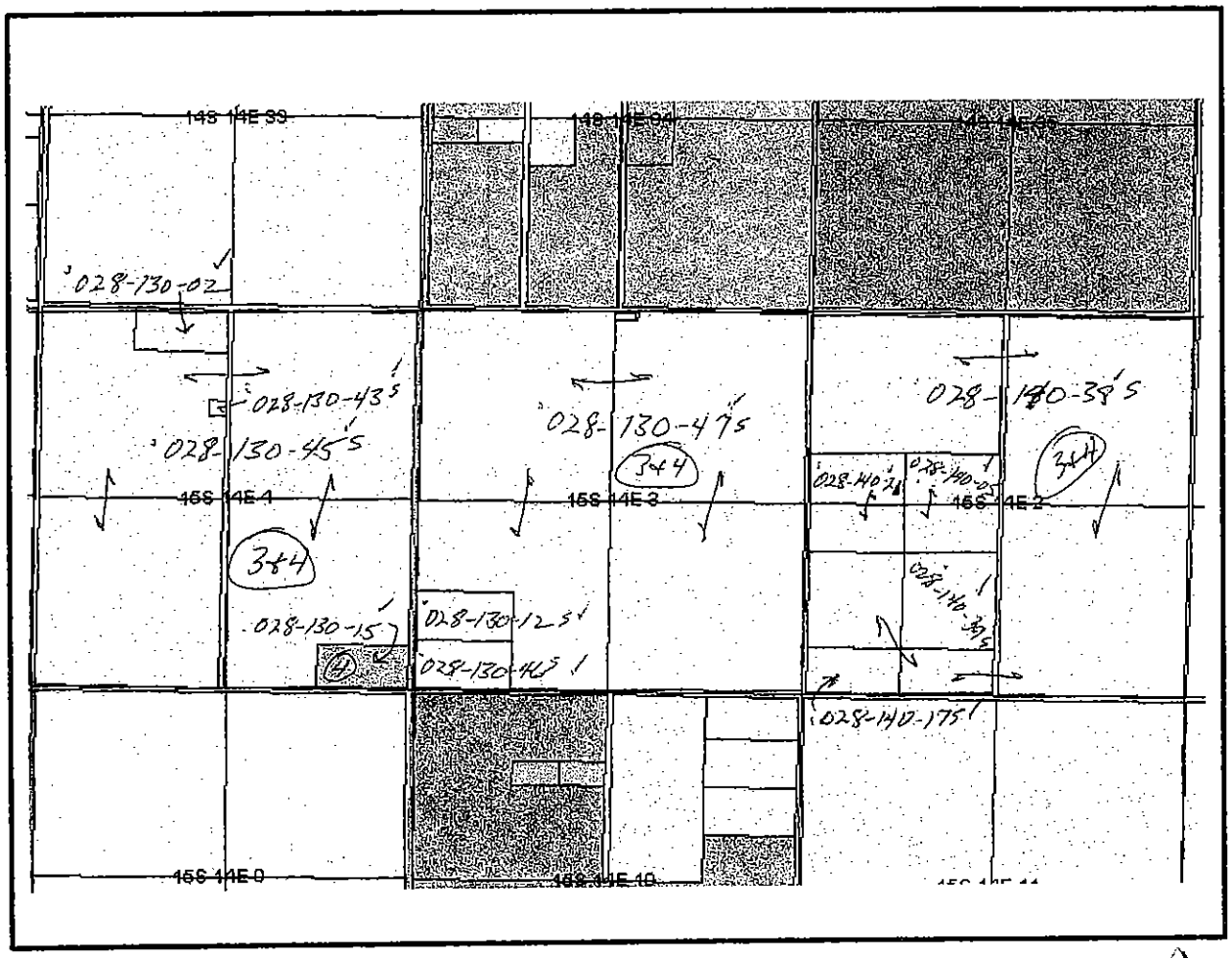
N

Monday, May 12 2003

WOLFSEN #5

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

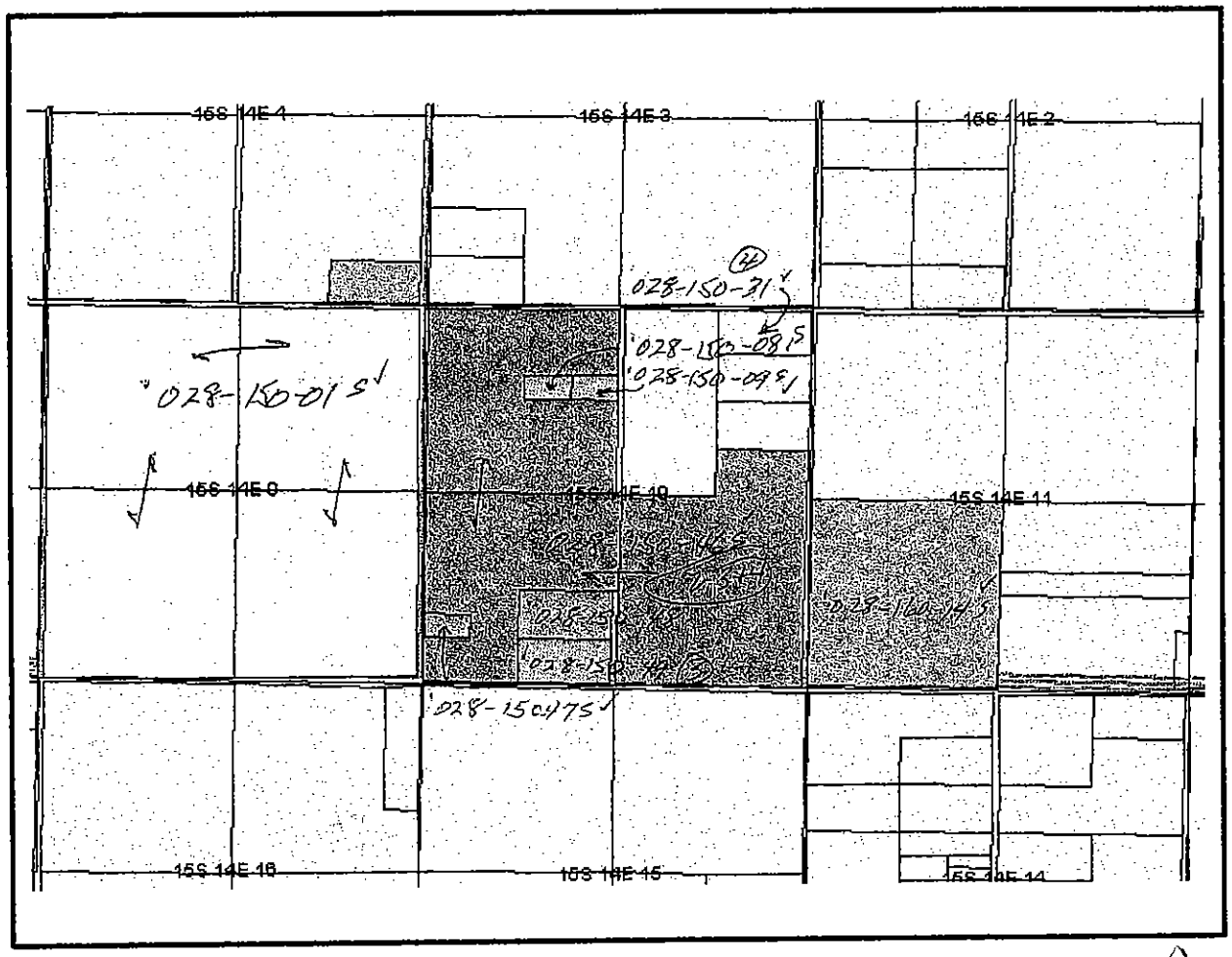
N

Monday, May 12 2003

WOLFSEN #6

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Monday, May 12 2003

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
Allen, A. D.	012 110 05S	Gwendolyn F. Benton/Allen, Arvid D/Mary J.	155.54			155.54
	012 110 16S	Kristy A. Brinkley	54.82	103.36		158.18
	012 110 22S	Kristy Brinkley		53.50	106.50	160.00
	012 110 24S	Shauna B. Diaz		40.35	78.32	118.67
	012 110 25S	Kristy A. Brinkley		13.15	25.52	38.67
			210.36	210.36	210.34	631.06
Allen, A. E.	011 130 12S	Cynthia Allen Best	**49.41**	**49.41**	**49.41**	**148.23**
Silveira, D.	019 050 19S	Rick & Allison Blanchard		79.09		79.09
	019 050 48S	Eric & Allison Blanchard		36.80		36.80
	019 050 55S	Dudley James & Charlotte J. Silveira			160.13	160.13
	019 050 56S	Dudley James & Charlotte J. Silveira			469.69	469.69
	019 050 59S	Rick & Allison Blanchard		77.43		77.43
	019 110 03S	Dudley James & Charlotte J. Silveira			314.60	314.60
	019 110 04S	Dudley James & Charlotte J. Silveira			156.38	156.38
	019 110 05S	Darrell Silveira		156.38		156.38
	019 110 06S	Dudley & Charlotte J. Silveira		156.38		156.38
	019 110 13S	Dudley James & Charlotte J. Silveira		472.70		472.70
	019 120 04S	Eletha A. Silveira	78.39			78.39
	019 120 13S	Eletha Silveira	78.23			78.23
	019 120 19S	Eletha Silveira	228.12			228.12
	019 120 22S	Eletha Silveira	155.17			155.17
	019 180 29S	Silveira	303.82			303.82
			843.73	**978.78**	**1,100.80**	**2,923.31**
Etcheberry	028 101 15S	Helen E. Etcheberry	20.00			20.00
	028 101 62S	Helen E. Etcheberry	126.27	146.27	146.27	418.81
			146.27	**146.27**	**146.27**	**438.81**
Guenther	028 101 22	Richard Earl & Patricia A. Guenther	80.00			80.00
	028 101 23S	Richard Earl & Patricia A. Guenther	80.00			80.00
	028 101 51S	Richard E. Guenther	60.00	160.00		220.00
	028 101 53	Richard Earl & Patricia A. Guenther		20.00		20.00
	038 320 01S	Richard Earl & Patricia A. Guenther			39.29	39.29
	038 320 06	Guenther, Richard E. Trustee, etal			38.20	38.20
	038 320 12S	Richard E. Guenther			20.00	20.00
	038 320 24S	Richard Earl & Patricia A. Guenther		20.00		20.00
	038 320 25S	Richard E. Guenther		20.00		20.00
	038 320 26S	Richard E. Guenther			40.00	40.00
	038 320 27S	Guenther Family Trust		20.00		20.00
	038 320 28S	Richard E. Guenther			20.00	20.00
	038 320 29S	Richard E. Guenther			20.00	20.00
	038 320 30S	Guenther			20.00	20.00
			220.00	**240.00**	**197.49**	**657.49**
Jones	012 110 08S	Llanada Farms			316.40	316.40
	012 110 09S	Llanada Farms			320.00	320.00
	012 120 15S	Jones Villere Farms		476.02		476.02
	012 150 07S	Llanada Farms			109.05	109.05
	012 150 09S	Llanada Farms		155.56		155.56
	012 180 05	Sarek Farms	33.54			33.54
	012 180 10S	Serek Farms	114.12			114.12
	012 180 12S	Serek Farms	8.89			8.89
	012 180 13S	Serek Farms	239.36			239.36
	012 180 14S	Serek Farms	37.59			37.59
	012 180 17S	Sarek Farms		150.79		150.79
	012 180 18S	Serek Farms	49.95			49.95
	012 190 02S	Serek Farms	246.02			246.02
			729.47	782.37	745.45	2,257.29
	012 160 24S	Western Farms LP	6.36			6.36
	012 160 25S	Western Farms LP	128.58			128.58
	012 190 09	Western Farms LP	11.84			11.84
	012 190 14S	Western Farms LP	77.50			77.50
	012 190 25S	Western Farms LP		306.78		306.78
	012 190 26S	Western Farms LP			308.86	308.86

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
			224.28	306.78	308.86	839.92
			953.75	**1,089.15**	**1,054.31**	**3,097.21**
Kriesant	019 180 01S	Kriesant Operating Co., Inc.		320.00	314.83	634.83
	019 180 31S	Carl J. E. Kriesant	316.57			316.57
	019 180 32S	Kriesant Operating Co., Inc.	160.00	156.57		316.57
	028 101 17S	Carl J. E. Kriesant			15.00	15.00
	028 101 50S	Carl J. E. Kriesant			160.00	160.00
	038 320 13S	Carl J. E. Kriesant			10.00	10.00
	038 320 31S	Carl J. E. Kriesant			20.00	20.00
			476.57	**476.57**	**519.83**	**1,472.97**
M. Silveira	012 150 10S	Judy E. Silveira	**318.17**			**318.17**
Mlr. Silveira	019 120 01	Miriam M. Silveira	1.29			1.29
	019 120 14S	Miriam M. Silveira	236.78			236.78
	019 120 21S	Miriam M. Silveira		155.17		155.17
	019 120 23S	Miriam M. Silveira			74.82	74.82
			238.07	**155.17**	**74.82**	**468.06**
O'Neill	050 080 05S	Trinity Farms	160.00			160.00
	050 120 40S	JE O'Neill, Inc. (Drainage easement only)			5.95	5.95
	050 120 45S	Laguna Farms	160.00			160.00
	060 030 19S	Carroll/O'Neill, LP		157.56		157.56
	060 030 21S	Carroll/O'Neill, LP	157.82			157.82
	060 030 24S	Laguna Farms	320.00			320.00
	060 030 29S	Trinity Farms		157.60		157.60
	060 041 02	Edwin R. O'Neill		0.60		0.60
	060 041 03	145 Farms		383.98		383.98
	060 042 03S	La Paloma Farms			280.53	280.53
	060 042 04S	Humboldt Ranches			309.02	309.02
	060 042 09S	JE O'Neill, Inc. (Drainage easement only)			6.69	6.69
	060 042 10S	Edwin R. O'Neill (Drainage easement only)	1.00			1.00
	060 042 12S	Excelsior Farms			151.57	151.57
	060 042 13S	Excelsior Farms		160.78		160.78
	060 042 15S	Excelsior Farms			160.00	160.00
	060 042 16S	Humboldt Ranches		160.00		160.00
	060 042 17S	La Paloma Farms		160.00		160.00
	060 042 18S	La Paloma Farms		160.00		160.00
	060 042 21S	Excelsior Farms			160.00	160.00
	060 042 22S	Humboldt Ranches		80.00		80.00
	060 042 24S	Humboldt Ranches (Drainage easement only)			7.12	7.12
	060 050 29S	Blake Randle O'Neill (Drain easement only)			11.14	11.14
	060 050 38S	Shasta Farms			9.08	9.08
	060 050 39S	Shasta Farms			9.08	9.08
	060 050 40S	Shasta Farms			299.18	299.18
	060 050 41S	Shasta Farms			307.40	307.40
	060 090 41S	Trinity Farms	320.00			320.00
	060 090 42S	Carroll/O'Neill, LP	320.00			320.00
			1,438.82	1,420.52	1,716.76	4,576.10
			-1.00		-23.78	-24.78
			1,437.82	**1,420.52**	**1,692.98**	**4,551.32**
Orff	028 110 05	Francis A. Orff		20.00		20.00
	028 110 07S	Francis A. Orff		160.00		160.00
	028 110 13	Francis A. Orff	40.00			40.00
	028 110 24	Francis A. Orff	40.00			40.00
	028 110 26S	Francis A. Orff	20.00			20.00
	028 110 30S	Francis Ronald Orff		15.00		15.00
	028 110 31S	Francis A. Orff		30.00		30.00
	028 110 32S	Francis A. Orff		22.50		22.50
	028 110 33	Francis A. Orff		10.00		10.00
	028 110 34	Francis A. Orff		30.00		30.00
	028 110 35	Francis A. Orff		4.13		4.13
	028 110 36	Francis A. Orff		20.00		20.00
	028 110 39S	Francis A. Orff		50.00		50.00

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
	028 110 44	Francis A. Orff			20.00	20.00
	028 110 45	Francis A. Orff		10.00		10.00
	028 110 49S	Francis A. Orff			0.52	0.52
	028 110 54S	Francis Ronald & Linda Orff	47.50			47.50
	028 110 55S	Francis A. Orff			1.13	1.13
	028 110 70S	Francis A. Orff	161.33			161.33
	028 110 74S	Francis A. Orff			80.00	80.00
	028 110 79S	Francis A. Orff			323.16	323.16
	028 110 86S	Francis A. Orff	20.00			20.00
			328.83	371.63	424.81	1,125.27
Peck	028 101 45S	Patrick S. Peck	158.16			158.16
	028 101 46S	John Kelly Peck	158.16			158.16
	028 101 47S	William T. & Kathleen P. Hopkins	160.00			160.00
	028 101 48S	Michael C. Peck	160.00			160.00
	028 110 46S	Peck Family Partners	2.59			2.59
	028 110 47S	Carolyn G. Peck	160.68			160.68
	038 071 21	Carolyn G. Peck			37.88	37.88
	038 071 22S	Carolyn G. Peck			37.85	37.85
	038 071 25	Sumner Peck Ranch, Inc.		40.00		40.00
	038 071 26	Carolyn G. Peck			40.00	40.00
	038 071 27S	Carolyn G. Peck			120.00	120.00
	038 071 28	Michael C. Peck		39.44		39.44
	038 080 03S	Peck Family Partners		160.00		160.00
	038 080 04S	Sumner Peck Ranch, Inc.		160.29		160.29
	038 080 05S	Kathleen P. Hopkins		160.00		160.00
	038 080 12S	Kathleen P. Hopkins			20.00	20.00
	038 080 13S	Kathleen P. Hopkins			19.10	19.10
	038 080 14S	Kathleen P. Hopkins			119.10	119.10
	038 080 16S	J. Kelly Peck, Trustee of Ashley Peck Trust		80.00		80.00
	038 080 17S	J. Kelly Peck, Trustee of Ashley Peck Trust		80.00		80.00
	038 080 18S	Kathleen P. Hopkins		157.60		157.60
	038 080 21S	Sumner Peck Ranch, Inc.			78.80	78.80
	038 080 22S	Sumner Peck Ranch, Inc.			78.80	78.80
	038 080 23S	Sumner Peck Ranch, Inc.		160.00		160.00
	038 080 25S	Sumner Peck Ranch, Inc.			158.19	158.19
	038 080 32S	Sumner Peck Ranch, Inc.			83.69	83.69
	038 080 33S	Sumner Peck Ranch, Inc.			83.69	83.69
	038 080 35S	Kathleen P. Hopkins		164.96		164.96
	038 080 38S	Peck Family Partners		160.00		160.00
	038 080 39S	Sumner Peck Ranch, Inc.	0.04			0.04
	038 080 40S	Sumner Peck Ranch, Inc.	0.05			0.05
	038 080 44S	Sumner Peck Ranch, Inc.	8.37			8.37
	038 080 45S	Maria Kate Manock	157.56			157.56
	038 141 35S	Kathleen P. Hopkins			37.07	37.07
	038 141 48S	Kathleen P. Hopkins			122.30	122.30
	038 150 64S	Kathleen P. Hopkins			158.19	158.19
	038 150 65S	Carolyn G. Peck			160.00	160.00
	038 150 68S	Carolyn G. Peck			85.99	85.99
	038 320 17	R. Murphy Peck	161.03			161.03
	038 320 18S	Maury D. Peck	160.00			160.00
	038 320 23S	Amy N. Peck Lazarus	156.82			156.82
	038 320 33S	Sumner Peck Ranch, Inc.		102.53		102.53
	038 320 34S	Sumner Peck Ranch, Inc.		13.99		13.99
			1,443.46	**1,478.81**	**1,440.65**	**4,362.92**
R. Silviera	012 150 11S	Richard G. & Joanne Y. Silveira	**106.05**	**106.06**	**106.06**	**318.17**
Seasholtz	011 160 15S	Mendota Land Company			60.00	60.00
	011 160 16S	Mendota Land Company			80.00	80.00
	011 160 17S	Mendota Land Company			78.19	78.19
	019 040 04S	Pappas Land Company		161.14		161.14
	019 040 05S	Pappas Land Company		161.06		161.06
	019 050 61S	Pappas Land Company	321.04			321.04
			321.04	**322.20**	**218.19**	**861.43**
Thomsen	050 030 28S	Allen S. Thomsen, Trustee, etal	160.00			160.00

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
	050 060 46S	Elizabeth Thomsen		52.53		52.53
	050 060 47S	Veronica Thomsen Gonser		52.53		52.53
	050 060 48S	Kenneth & Paulette Thomsen		105.07		105.07
	050 070 40S	Thomas L. Thomsen			160.00	160.00
	050 070 41S	Joanne C. Thomsen			80.00	80.00
	050 070 42S	Kenneth & Paulette Thomsen	80.00			80.00
	050 070 43S	Kenneth & Paulette Thomsen	160.00			160.00
			400.00	**210.13**	**240.00**	**850.13**
Walton	019 050 16S	James R. Walton	158.14			158.14
	019 050 50S	James R. Walton		237.29		237.29
			158.14	**237.29**	**0.00**	**395.43**
Wolfsen	019 110 09	Michael StPeter	158.19	316.38	158.19	632.76
	019 110 10	Michael StPeter			632.76	632.76
	019 110 14S	Michael StPeter	314.56			314.56
	019 110 15S	Michael StPeter	158.18			158.18
	019 110 16	Michael StPeter	156.38			156.38
	019 120 29S	Michael StPeter	317.07			317.07
	019 160 13S	Barbara Butts Lindemann, Trustee			158.18	158.18
	019 160 19	Lindemann	9.10			9.10
	019 160 34S	Lindemann		377.53		377.53
	019 160 35S	Barbara Butts Lindemann, Trustee			236.36	236.36
	019 170 02	Michael StPeter	477.55	159.18		636.73
	019 170 03	Michael StPeter	474.56	158.19		632.75
	019 170 12	Michael StPeter	316.37	316.37		632.74
	019 170 13	Michael StPeter	138.18			138.18
	019 170 16	Michael StPeter	159.09	318.18	159.09	636.36
	019 210 06	Turner Island Farms			10.00	10.00
	019 210 39S	Lindemann	316.38			316.38
	019 210 41S	Michael StPeter			55.00	55.00
	019 210 44	Derek Heafey			27.77	27.77
	019 210 48	Michael StPeter			14.34	14.34
	019 210 49	Turner Island Farms			9.56	9.56
	019 210 50	Lionel J. & Charlotte J. Caeton, Trustees		10.00	35.00	45.00
	019 210 51	Michael StPeter			25.00	25.00
	019 210 52S	Michael StPeter		134.28	278.15	412.43
	019 210 53S	Michael StPeter		9.55	9.55	19.10
	028 130 02	Thomas Daniel & Mary Antoinette K. Chase			20.00	20.00
	028 130 12S	Turner Island Farms			19.54	19.54
	028 130 15	Michael StPeter			20.00	20.00
	028 130 43S	Michael StPeter			1.00	1.00
	028 130 45S	Michael StPeter		155.58	425.73	581.31
	028 130 46S	Turner Island Farms			20.14	20.14
	028 130 47S	Michael StPeter		315.07	275.69	590.76
	028 140 05	Marshall N. Mc Fie II, Trustee			40.00	40.00
	028 140 17S	Michael StPeter			20.00	20.00
	028 140 21	Marshall N. Mc Fie II, Trustee			40.00	40.00
	028 140 38S	Michael StPeter		155.33	326.90	482.23
	028 140 39S	Michael StPeter			39.09	39.09
	028 150 01S	Michael StPeter		315.48	309.48	624.96
	028 150 08S	Laura K. Belden, Trustee	5.00			5.00
	028 150 19S	Michael StPeter	5.00			5.00
	028 150 31	Michael StPeter			20.00	20.00
	028 150 46S	Micbael StPeter	145.42	112.21	174.84	432.47
	028 150 47S	Michael StPeter		4.78		4.78
	028 150 48	Michael StPeter		19.66		19.66
	028 150 49	Lionel J. & Charlotte J. Caeton, Trustees		18.77		18.77
	028 160 14S	Michael StPeter		158.20		158.20
			3,151.03	**3,054.74**	**3,561.36**	**9,767.13**
			10,802.70	***10,240.31***	***10,728.46***	***31,547.19***

APPENDIX B

APPENDIX B
Summary of Regulatory Agency Program Lists

The summaries of regulatory program lists herein do not present legal opinions. An attorney was not contacted regarding these summaries or their ramifications on real property transfer.

USEPA

CERCLIS
The Comprehensive Environmental Response Compensation and Liability Act (CERCLA or "Superfund"), 42 USC Section 9601, was passed in 1980 to provide for a Federal response to hazardous substances in the environment. The CERCLIS list is a database used by the USEPA to track activities conducted under its Superfund Program. Sites which come to EPA's attention that may have a potential for releasing hazardous substances into the environment are added to the CERCLIS inventory.

NPL
The USEPA has prioritized sites with significant risk to human health and the environment. These sites may receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

RCRA Violators
RCRA provides for "cradle to grave" regulation of hazardous wastes. Evaluation of potential violations, ranging from manifests requirements to hazardous waste discharges is conducted by the USEPA.

STATE OF CALIFORNIA

AWP
The Health and Safety code, as amended by AB129, requires the DTSC to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

DTSC is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the DTSC and the USEPA over the next five years.

CalSites
The Historical Abandoned Site Survey Program (ASPIS) maintained by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) identifies

certain potential hazardous waste sites. These site determinations were generally not made via sampling and site characterization. They were made as a result of file searches and drive-by surveys. Some of the sites may have had a site inspection and sampling.

The ASPIS database, currently known as CalSites, contains a listing of sites which either have been or are under investigation by the DTSC or other regulatory agencies. The information has been compiled into this database by the CalEPA in accordance with Section 253596 of the California Health and Safety Code. The listings are now included in the Site Mitigation and Brownfields Reuse Program Database available on the internet (http://www.dtsc.ca.gov/database/CalSites/calf001.cfm).

LUFTIS

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

SWIS

The SWIS database is maintained by the California Integrated Waste Management Board and contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

FRESNO COUNTY COMMUNITY HEALTH DEPARTMENT

CUPA

The CUPA is responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that:

- Require Hazardous Materials Business Plans;
- Require California Accidental Release Prevention plans or Federal Risk Management Plans;
- Operate Underground Storage Tanks;
- Operate Aboveground Storage Tanks;
- Generate Hazardous Waste(s); and
- Have Onsite Treatment of Hazardous Waste(s)/Tiered Permits.

Compliance is achieved through routine inspections of all regulated facilities, and investigation of citizen based complaints and inquiries regarding improper handling and/or disposal of hazardous materials and/or hazardous wastes. Hazardous waste source reduction is a primary goal of the CUPA. Additionally, the Agency provides oversight for the remediation of contaminated sites.

The CUPA identifies facilities that may have to prepare:

- A Hazardous Materials Business Plan;
- A Federal Risk Management Plan (RMP) ; or,
- A California Accidental Release Prevention (CalARP) plan; or
- Any combination of these plans.

Information is collected for public access under the Community Right to Know Act and the information is reported to Federal, State, and Local agencies as required by statute and/or regulation. The intent of each plan is to prevent major off-site releases that could affect the public and/or environment, provide facility employees information on how to appropriately respond during a release, and assist emergency responders in the event of a release.

APPENDIX C

BSK

ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT

22, 627 Acres of Farmland
Phase 3 and 4 Properties
Within Westlands Water District
(Westlands W.D. RFP #03-402)
Fresno County, California

BSK E03.132.01F

Prepared for:

Mr. Russ Freeman
Westlands Water District
3130 North Fresno Street
Fresno, California 93703

August 18, 2004

Engineers, Geologists, Environmental Scientists

BSK

567 W. Shaw Ave., Ste. B
Fresno, CA 93704
(559) 497-2880
FAX (559) 497-2886

VIA HAND-DELIVERY **BSK E03.132.01F**

August 18, 2004

Mr. Russ Freeman
WESTLANDS WATER DISTRICT
3130 North Fresno Street
Fresno, California 93703

SUBJECT: Addendum to Limited Phase I Environmental Site Assessment 22,627 Acres of Farmland, Phase 3 and 4 Properties within Westlands Water District Fresno County, California (Westlands W.D. RFP #03-402)

Dear Mr. Freeman:

BSK Associates has prepared this Addendum to the Limited Environmental Assessment (LESA) addressing the follow-up review of selected properties within Phases 3 and 4 originally addressed in the LESA. Our services were provided to Westlands Water District in accordance with the scope of services presented in BSK's proposal E03.132.01F, dated June 25, 2003.

We appreciate this opportunity to be of continuing service to Westlands. Please contact us at (559) 497-2880, if you have questions concerning the report.

Sincerely,
BSK ASSOCIATES

C. Scott Smith, P.E.
Senior Environmental Engineer

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT SMITH
No. 040118
Exp. 3/31/05
CIVIL
STATE OF CALIFORNIA

CSS/mlt

cc: Mr. Russ Freeman (3 bound originals + 1 disc)
BSK File 310 (1 original + E-copy)

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ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT 22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN WESTLANDS WATER DISTRICT FRESNO COUNTY, CALIFORNIA

1.0 INTRODUCTION

This report presents the results of BSK Associates follow-up review of 22,627acres of farmland designated as Phases 3 and 4 of the Sumner-Peck Settlement Agreement. for Westlands Water District (Westlands).

A Limited Environmental Assessment (LESA) was conducted in 2003 for 31,500 acres of farmland collectively designated as Phases 2, 3 and 4 (BSK, 2003). The Phase 1 property transfers were previously completed. The Phase 3 and 4 follow-up reviews were originally to be conducted separately, but, at the request of Westlands, the reviews were conducted concurrently.

2.0 OBJECTIVE

The objective of the follow-up reviews was to identify and evaluate conditions at the Site properties, and at adjacent properties, with regard to possible sources of recognized environmental conditions which may have impacted the Site since the time of the LESA. Recognized environmental conditions (RECs) are defined by the American Society for Testing and Materials (ASTM) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM, 2000).[1]

3.0 SCOPE OF ASSESSMENT

BSK scope of services for the follow-up reviews consisted of the following:

- Visited Site areas of particular environmental interest, including chemical storage areas, maintenance shops chemical storage areas, and areas with significant fuel storage, identified in the LESA for indications in changes in conditions since the LESA.

[1] The term "recognized environmental condition" includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Conducted a drive-by review of cropland areas for indications of substantial fuel leakage from above-ground fuel storage tanks (AGTs) and for agricultural chemical storage areas.

- Interviewed property owner representatives associated with Site areas of particular environmental interest for information regarding possible changes in activities subsequent to the LESA.

- Reviewed selected regulatory agency databases available on the internet for possible additional listings involving the Phase 3 and 4 and adjacent properties subsequent to the LESA.

- Prepared this report addendum.

While the follow-up reviews were generally conducted in accordance with the field reconnaissance element of ASTM Standard referenced herein, they did not necessarily strictly adhere to all aspects of the standard. The follow-up up visits were limited to Site areas of particular environmental interest specifically identified during the LESA. BSK's scope of services for the follow-up reviews did not include review information or conditions pertaining to properties beyond those immediately adjacent to the Site; acquisition of title documents; collection or analysis of soil, air, or building material, samples; nor evaluation of lead-based paint, or radon gas.

4.0 SITE LOCATION AND DESCRIPTION

The LESA identified several activities at the Phase 3 and Phase 4 Site areas which handle large quantities of fuels and/or chemicals, or include other activity which could pose a recognized environmental condition if not managed properly. The indicated information was provided by Westlands. Since the time of the LESA, many of the involved Site areas have been removed from the transaction, due owner desire to retain them, and are not included in this review. The Phase 3 and 4 Site areas removed, that would otherwise be included in our follow-up visits, are the farm operations yards of Seaholtz and Silveira in Phases 3 and 4, and O'Neill, Orff and Thomsen in Phase 4.

Table 1 includes a listing of involved Site areas, including the property owners, assessors parcel numbers, acreages and Phase designations. Included in the table area also parcels which are comprised of cropland only. The indicated information was provided by Westlands. The indicated parcel acreages are adjusted to account for those areas that the owner has elected to retain subsequent to the LESA. Figures 1 and 2 shows the location of the Phase 3 and Phase 4 parcels respectively, including those which are included in multiple Phases. The indicated limits of the parcels are approximate only.

5.0 SITE VISIT

Follow-up visits of the Site were performed by BSK Senior Environmental Engineer, C. Scott Smith, PE, between August 4 and August 11, 2003. Summarized below are our general observations at the Site cropland areas, at property-specific specific facilities of particular environmental interest identified in conjunction with LESA, and during a drive-by review of the adjacent properties. More detailed descriptions of Site features are included in the LESA.

Interviews were conducted with owner representatives at the time of the visits and are incorporated into our discussions in Sections 5.2 and 5.3.

5.1 Cropland Areas

Based on BSK's drive-by review of the Phase 3 and 4 cropland areas from public roads and farm roads:

- No additional water well sites have been constructed and no chemical storage areas were observed
- No agricultural chemical storage areas were observed.
- No significant spillage of fuels from AGTs was observed.

5.2 Phase 3

Wolfsen (SW ¼ Section 3, T15S/R14E)

Mr. Albert Laguna accompanied BSK during the visit. Features of particular interest identified during the LESA include a large chemical storage building, liquid fertilizer tanks, and a cotton gin, all of which remain in use.

Agricultural chemicals are stored in an enclosed, secured building with concrete flooring in the south-central portion of the facility (Figure 3A, No. 1). No appreciable chemical spillage, corroded flooring, or discoloration of open ground adjoining the buildings were observed.

The cotton gin includes a compress constructed below ground within an enclosed concrete vault. No hydraulic oils for the compress are stored below grade.

Exterior areas include numerous portable and stationary fertilizer and nutrient tanks. Drainage from the exterior areas is toward a drainage channel which flows to the south and then to the east along the southern boundary of the area. The surface soils of the channel are discolored from fertilizers and/or nutrients. The condition would not be considered a recognized environmental condition.

Of the single family residences present in the vicinity of the facility on property owned by Wolfsen present at the time of the LESA, none were observed to have since been removed or demolished.

Wolfsen (SW¼ and NW¼ Section 4 T15S/R14E)

Mr. Albert Laguna, Facilities Manager, accompanied BSK during the visit of the farming operation yard. Features of particular interest identified during the LESA include numerous AGTs, a drum storage area, a waste oil AGT, outdoor equipment and farm vehicle storage areas, and a crop-duster landing strip, all of which remain in use.

The areas of the fuel AGTs are absent of indications of spillage, beyond minor drippings from fuel spouts and other connections. Areas with multiple AGTs are within a containment with concrete flooring and perimeter berm. The waste oil AGT is in the northwest portion of the yard and is also within a concrete containment. (Figure 3A, No. 2).

A north-south oriented crop-duster landing is located along the eastern boundary of the yard. The strip is maintained by others in conjunction with serving the Wolfsen operation. The bin present at the time of the LESA, used for temporary storage of discarded small chemical containers and bags of dry sulfur, is no longer present. Portions of the turn-around area are paved. Exposed soils in unpaved areas adjoining the turn-around on the west are chemically discolored from landing-strip operations (Figure 3A, No. 3). The discoloration is reportedly largely associated with the mixing of liquid fertilizers at the turn-around. No odors typically associate with pesticides were sensed during the visit.

Peck (SE¼,S1,T16S/R14E)

Mr. Kelly Peck, Farm Manager, accompanied BSK during the visit of the farming operations yard. Features of particular interest identified during the LESA include a chemical storage building, AGTs, vehicle and equipment maintenance shops, a drum storage area, and a steam cleaning area, all of which remain in use.

The areas of the AGTs are absent of indications of spillage, beyond minor drippings from fuel spouts and other connections (Figure 3B, No. 1). An area in the northwest portion of the yard is designated for temporary storage of empty lubricating oil drums (Figure 3B, No. 2). No appreciable soils discoloration was observed in the area.

Two tanks, which are reported to have been previously used as underground fuel storage tanks (USTs) at the yard, are present in the drum storage area. As reported in the LESA, their removal was not overseen by a regulatory agency. Mr. Peck had also indicated that minor soils discoloration was observed in the area of the inlet piping at the time of UST removal.

Agricultural chemicals are stored in an enclosed, secured building with concrete flooring in the east-central portion of the yard (Figure 3B, No. 3). No appreciable chemical spillage, corroded flooring, or discoloration of open ground adjoining the building was observed.

The steam cleaning system adjoins the tire shop to the west. Spent washwater is discharged to a small unlined sump. No appreciable oil accumulation was observed on the water surface or on the exposed side walls of the sump.

Of the single family residences present in the vicinity of the yard on property owned by Peck present at the time of the LESA, none were observed to have since been removed.

Peck (NW¼, Section 5, T16S/R15E)
The series of six large, connected subsurface drainage basins remain out of service. Visible salt accumulation is present in some of the low points of the basins. The basins are subject to closure requirements of the California Regional Water Quality Control Board (Section 6.2)

5.3 Phase 4

Peck (SW¼, Section 12, T16S/R14E)
A north-south oriented crop-duster landing is located a few miles south west of the Peck farming operation yard and is surrounded by cropland (Figure 4, No. 1). The strip is maintained by others in conjunction with serving the Peck operations. Surface discoloration of the paving and exposed soils is present in some areas. To the west of the strip is a ditch where burning of small plastic chemical containers is evident.

Kreisant (Section 30,T14S/R15E)
Mr. Richard Guenther, a friend of the owner, accompanied BSK during the visit of the farming operations yard. Features of particular interest include AGTs, storage buildings, a drum storage area, and a steam cleaning area.

The AGTs are within a containment with concrete flooring and perimeter berm. No fuel leakage, beyond minor drippings from fuel spouts and other connections, was observed (Figure 4, No. 2).

Farm equipment, vehicles, various farm implements, small plastic herbicide containers, and tools are stored in three onsite buildings. Adjoining the northern-most shop on the east is an area for storage of empty lubricating oil drums. No appreciable spillage of oils was observed in the area.

A stream cleaning pad is present in the northwestern portion of the yard. Drainage from the area is toward a concrete sump which is reportedly periodically emptied by a local vendor.

5.4 Adjacent Properties

The adjacent properties were reviewed from the Site public and farm roads adjoining the Site. The preponderance of the adjacent properties are farmland. Farming operation yards and diesel-powered well sites are also present in some areas. No appreciable changes in adjacent property usage, compared to those observed during the LESA, or indications of conditions which appear to have the potential to environmentally impair the Site were observed.

6.0 REGULATORY REVIEW

BSK's regulatory review included a review of selected agency regulatory data bases available on the internet, to assess possible changes in listings subsequent to the LESA, and inquires with selected agency representatives.

6.1 Agency Lists

BSK reviewed the following USEPA, and State of California data bases available on the internet and a data base made available by the Fresno County Community Health Department to assess possible additions involving for the Site and adjacent properties subsequent to the LESA.

- United States Environmental Protection Agency (USEPA)
  Database: *FINDS*
  (facilities regulated under a variety of EPA programs)
  (Source: http://d1.rtknet.org/fin/)

- Department of Toxic Substances Control:
  Database: *Site Mitigation and Brownfield's Reuse Program*
  (hazardous waste properties of the previous CalSites program)
  (Source: http://www.dtsc.ca.gov/database/CalSites/calf001.cfm)

- State Water Resources Control Board
  Database: *Geotracker*
  (leaking underground fuel storage tanks)
  (Source: http://geotracker.swrcb.ca.gov/)

- Fresno County Community Health Department (FCCHD)
  Database: *Consolidated Uniform Permitting Agency* (CUPA)
  (CUPA agencies are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that require Hazardous Materials Business Plans, accidental Release Plans, operate USTs, and generate hazardous waste).

The Phase 3 and 4 properties, and the adjacent properties, are not currently listed on these databases.

6.2 Regulatory Agency Inquiries

Mr. Anthony Toto, Associate Water Resources Control Engineer with the California Regional Water Quality Control Board (CRWQCB) was contacted for information regarding the Peck evaporation basins (Section 5.3). Mr. Toto indicated that the basins remain subject to closure and that capping may be considered as a compliance measure.

In addition, at the request of Westlands, BSK inquired as to the status of the former discharge basin (solar evaporator) of Wolfsen, Section 19, T14S/R15E addressed in LESA as a Phase 2 property. The basin has been capped to address CRWQCB requirements. The CRWQCB has prepared a rescinding notice for the waste discharge requirements, and a monitoring and reporting program requiring inspection and maintenance of the cap for Board consideration in the October public hearing.

7.0 SUMMARY AND RECOMMENDATIONS

Sections 7.1 and 7.2 summarize our findings and recommendations for the Phase 3 and Phase 4 reviews, respectively. Section 7.3 summarizes our findings of the drive-by review of the adjacent properties. Section 7.4 includes general statements addressing the various properties involved.

7.1 Phase 3

Peck

A UST was reportedly removed from the Section 1 yard in the early 1990s. It has not been established if there were fuel releases requiring possible remediation. Subsurface assessment would be necessary to evaluate the potential for impacts to soils and groundwater associated with possible previous fuel releases.

Closure is required for the Section 5 subsurface drainage basins. It is conceivable that the CRWQCB may allow capping as a method of closure. Given the size of the basins, a closure means which satisfies the CRWQCB requirements would be a major undertaking.

Wolfsen

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

7.2 Phase 4

Peck

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

7.3 Adjacent Properties

No appreciable changes in adjacent property usage, compared to those observed during the LESA, or indications of conditions which appear to have the potential to environmentally impair the Site were observed.

7.4 All Properties

Agricultural properties are subject to the use of a variety of agricultural chemicals, including pesticides, herbicides, insecticides, fungicides, etc. Problematic concentrations of such chemicals in

soil or water, those which would constitute recognized environmental conditions if evidenced, are most-commonly associated with agricultural chemical storage areas, formulation areas, equipment/container wash-down areas, or irrigation tail water conveyance and storage facilities. No such activities were identified as being currently or historically associated with the Site properties. However, general application of such chemicals may also result in environmental impairment under certain circumstances. While BSK found no evidence of recognized environmental conditions, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.

Oil-lubricated irrigation supply wells, such as those onsite, can potentially be a source of impact to groundwater, through loss of oil from the lubrication system or turbines. The regulatory agencies have not requested investigation of such potential releases in the absence of suspected impacts to municipal water supplies. Further assessment would be required to evaluate whether such releases have occurred and if so, the conditions warrant further action.

Several of the Phase 3 and 4 Site areas include farm labor residences, and/or office buildings and similar improvements. Such structures were not reviewed for the presence and condition of wall board, linoleum, and other potential asbestos containing materials (ACBMs). Due to the age of the Site structures, ACBM's and lead-based paints could be present. If demolition or renovations are to occur, testing for ACBMs by a Certified Asbestos Consultant and for lead-based paint would be required.

8.0 LIMITATIONS

This report has been prepared for the exclusive use of Westlands Water District in conjunction with the subject settlement agreement. It is strictly prohibited for others to use or rely on the information contained in this report unless given express written consent of BSK Associates.

The findings and conclusions presented in this report are based on field reviews, and data obtained from the sources listed in the report. No other warranty, either express or implied, is made as to the findings or conclusions contained herein.

Industry associations and trade groups have published differing, and sometimes conflicting, guidelines for the preparation of site assessments. In many instances these guidelines provide a level of investigation which differs from current practice and the scope of services presented above. This report has been prepared in accordance with BSK's scope of services in general recognition of, as opposed to specific adherence to, the ASTM standard referenced herein.

The purpose of the assessment was to provide a preliminary evaluation for the possible presence of recognized environmental conditions at the Subject Site. This report provides neither certification nor guarantee that the properties are free of hazardous substance contamination nor individually in compliance with current regulations.

9.0 REFERENCES

ASTM, 2000, American Society for Testing and Materials, Standards *on Environmental Site Assessments for Commercial Real Estate*, E-1527, second edition.

BSK, 2003. BSK Associates, *Limited Phase I Environmental Site Assessment Report 31,500 Acres of Farmland within the Westlands Water District, Fresno County, California, August 19, 2003.*

TABLES

TABLE 1 - PHASE 3 & 4 PROPERTY DESCRIPTIONS

Family	APN	Geographic Coords	PHASE 3.0	PHASE 4.0	Total
A.E. Allen	011 130 12S	NE1/4,S24,T13,R13	***49.4***	***49.4***	***98.8***
A.D. Allen	012 110 16S	NE1/4,S19,T13,R14	103.4		103.4
	012 110 25S	NE1/4,SW1/4,S19,T13,R14	13.2	25.5	38.7
	012 110 24S	E1/2 & SW1/4 , SW1/4,S19,T13,R14	40.4	78.3	118.7
	012 110 22S	SE1/4,S19,T13,R14	53.5	106.5	160.0
			210.4	***210.3***	***420.7***
Guenther	038 320 01S	S2,T16,R14, lots 31&32		39.3	39.3
	028 101 53	W1/2, SE1/4 , NW1/4,S35,T15S,R14	20.0		20.0
	038 320 30S	S2,T16,R14, lot 2		20.0	20.0
	038 320 24S	S2,T16,R14, lot 16	20.0		20.0
	038 320 26S	S1/1, SW1/4, SE1/4, S2, T16/R14		20.0	20.0
	038 320 27S	S2,T16,R14, lot 3	20.0		20.0
	038 320 29S	S2,T16,R14, lot 19		20.0	20.0
	038 320 28S	S2,T16,R14, lot 14		20.0	20.0
	038 320 25S	S2,T16,R14, lot 15	20.0		20.0
	038 320 06S	NE1/4, NW1/4, S2, T15,R14		38.2	38.2
	038 320 12S	S1/2, NE1/4, SE1/4,S2, T15,R14		20.0	20.0
	038 320 30S	S1/2, NE1/4, NE1/4,S2, T15,R14		20.0	20.0
	028 101 51S	SW1/4,S35,T15,R14	160.0		160.0
			240.0	***197.5***	***437.5***
Etcheberry	028 101 15S	S26,T15,R14, lot 6			0.0
	028 101 62S	S26,T15,R14, lots 1,4,7,8,11-16	146.3	146.3	292.5
			146.3	***146.3***	***292.5***
Jones	012 110 08S	S20,T13,R14		316.4	316.4
	012 110 09S	S20,T13,R14		320.0	320.0
	012 150 07S	S22&27,T13,R14		109.5	109.5
	012 150 09	S27,T13,R14	155.6		155.6
	012 120 15S	S21,T13,R14	476.0		476.0
	012 190 25S	W1/2,S36,T13,R14	306.8		306.8
	012 180 17S	S34,T13,R14	150.8		150.8
	012 190 26S	E1/2,S35,T13,R14		308.86	308.9
			1,089.2	***1,054.8***	***2,144.0***
Kriesant	019 180 01S	S30,T14,R15	320.0	314.8	634.8
	019 180 32S	N1/2,S31,T14,R15	156.7		156.7
	028 101 50S	SE1/4,S35,T15,R14		160.0	160.0
	038 320 31S	S2,T16,R14, lot 5		20.0	20.0
	028 101 17S	S26,T15,R14, SW1/4 and N1/2 , lot 5		15.0	15.0
			476.7	***509.8***	***986.5***
Peck	038 071 27S	SW1/4,S12,T16,R14		120.0	120.0
	038 071 26	SE1/4,S12,T16,R14		40.0	40.0
	038 071 22S	SE1/4,S12,T16,R14		37.9	37.9
	038 071 21	SE1/4,S12,T16,R14		37.9	37.9
	038 150 65S	SW1/4,S17,T16,R15		160.0	160.0
	038 150 68S	SW1/4,S18,T16,R15		86.0	86.0
	038 080 03S	NE1/4,S6,T16,R15	160.0		160.0
	038 080 38S	SE1/4,S6,T16,R15	160.0		160.0

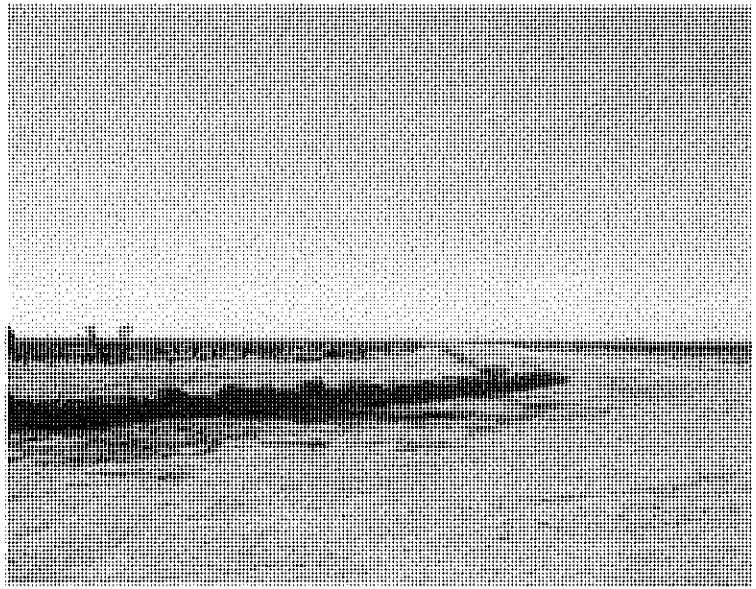
Peck	038 080 22S	SW1/4,S8,T16,R15	78.8		78.8
	038 320 34S	SE1/4,S1,T16,R14	14.0		14.0
	038 320 33S	SE1/4,S1,T16,R14	102.5		102.5
	038 080 04S	NW1/4,S5,T16,R15	160.3		160.3
	038 080 32S	SW1/4,S7,T16,R15		83.7	83.7
	038 080 33S	SW1/4,S7,T16,R15		83.7	83.7
	038 080 25S	SE1/4,S7,T16,R15		158.2	158.2
	038 080 23S	NW1/4,S8,T16,R15	160.0		160.0
	038 080 21S	SW1/4,S8,T16,R15		78.8	78.8
	038 071 25	SE1/4,S12,T16,R14	40.0		40.0
	038 080 16S	NE1/4,S8,T16,R15	80.0		80.0
	038 080 17S	NE1/4,S8,T16,R15	80.0		80.0
	038 071 28	SW1/4,S12,T16,R14	39.4		39.4
	038 141 35S	NW1/4,S13,T16,R14		37.1	37.1
	038 141 48S	NE1/4,S13,T16,R14		122.3	122.3
	038 080 35S	NW1/4,S6,T16,R15	165.0		165.0
	038 080 05S	SW1/4,S5,T16,R15	160.0		160.0
	038 080 18S	SE1/4,S8,T16,R15	157.6		157.6
	038 080 14S	SW1/4,S9,T16,R15		119.1	119.1
	038 080 13S	SW1/4,S9,T16,R15		19.1	19.1
	038 080 12S	SW1/4,S9,T16,R15		20.0	20.0
	038 150 64S	NW1/4,S17,T16,R15		158.2	158.2
			1,557.6	***1,361.9***	***2,919.5***
Seasholtz	019 050 61S	E1/2,S10,T14,R14	321.0		321.0
	011 160 15S	Portion N1/2,E1/4,S25,T13,R13		60.0	60.0
	011 160 16S	S1/2,NE1/4,S25,T13,R13		80.0	80.0
	011 160 17S	N1/2,NE1/4,S25,T13,R13		66.2	66.2
	019 040 04S	SW1/4,S4,T14,R14	156.2		156.2
	019 040 05S	SE1/4,S4,T14,R14	161.1		161.1
			638.3	**206.2**	***844.5***
D.Silveira	019 050 56S	N1/2&SW1/4,S11,T14,R14		469.7	469.7
	019 050 55S	SE1/4,S11,T14,R14		160.1	160.1
	019 050 48S	N1/2 , W1/2 , SW1/4,S12,T14,R14	36.8		36.8
	019 110 13S	S1/2&NE1/4,S13,T14,R14	472.7		472.7
	019 110 06S	NW1/4,S13,T14,R14	156.4		156.4
	019 110 03S	S1/2,S14,T14,R14		314.6	314.6
	019 110 04S	NW1/4,S14,T14,R14		156.38	156.4
	019 110 05S	NE1/4,S14,T14,R14	156.4		156.4
	019 120 04S	S1/2 , SW1/4,S18,T14,R15		156.4	156.4
	019 050 19S	W1/2 , SE1/4,S12,T14,R14	79.1		79.1
	019 050 59S	E1/2 , SE1/4,S12,T14,R14	77.4		77.4
			978.8	***1,257.2***	***2,236.0***
R Silveira	012 150 11S	S1/2,S28,T13,R14	***106.6***	***106.6***	***213.2***
M.Silveira	019 120 21S	SE1/4,S17,T14,R15	155.2		155.2
	019 120 23S	S1/2 , SW1/4,S17,T14,R15		74.8	74.8
			155.2	***74.8***	***230.0***
Thomsen	050 070 40S	NW1/4,S15,T17,R16		151.5	151.5
	050 070 41S	W1/2 , NE1/4,S15,T17,R16		80.0	80.0
	050 060 48S	SW1/4,S16,T17,R16	105.1		105.1
	050 060 47S	SW1/4,S16,T17,R16	52.5		52.5
	050 060 46S	NW1/4,S16,T17,R16	52.5		52.5
			210.1	***231.5***	***441.6***

Wolfsen	019 110 10	S22,T14,R14		632.8	632.8
	019 110 09	S23,T14,R14	316.4	158.2	474.6
	019 170 03	S25,T14,R14	158.2		158.2
	019 170 02	S26,T14,R14	159.2		159.2
	019 170 16	S27,T14,R14	318.2	159.1	477.3
	019 160 34S,35S	S28,T14,R14	377.5	236.4	613.9
	019 160 13S	SE4,S29,T14,R14		158.2	158.2
	019 210 52S,48,49,50,4	S34,T14,R14	464.4	618.2	1,082.6
	019 170 12	S35,T14,R14	316.4		316.4
	028 140 38S,05,21,39S	S2,T15,R14	155.3	466.0	621.3
	028 130 12S,46S,47S	S3,T15,R14	315.1	630.7	945.8
	028 130 45S,02,43S,15	S4,T15,R14	155.6	466.7	622.3
	028 150 01S	S9,T15,R14	315.5	309.5	625.0
	028 150 31	N1/2, NE1/4, NE/14, T15,R14	20.0		20.0
	028 150 46S,08S,09S,4	Por,S10,T15,R14	150.6	174.8	325.5
	028 150 47S	N1/2, NW1/4,SW1/4, SW1/4, S10,T15,R14	4.8		4.8
	028 160 14S	SW4,S11,T15,R14	158.2		158.2
			3,385.3	***4,010.6***	***7,395.8***
O'Neill	060 050 41S	N1/2,S3,T18S,R17E		307.4	307.4
	060 050 40S	S1/2,S3,T18S,R17E		299.2	299.2
	060 042 12S	NW¼,S11,T18s,R17		6.0	6.0
	060 042 13S	NE1/4,S4,T18S,R17E	160.8		160.8
	060 042 15S	SW1/4,S4,T18S,R17E		160.0	160.0
	060 042 21S	SE1/4,S4,T18S,R17E		160.0	160.0
	060 042 22S	S1/2 , NE1/4,S9,T18S,R17E	80.0		80.0
	060 042 16S	NW1/4,S9,T18S,R17E	160.0		160.0
	060 042 17S	SW1/4,S9,T18S,R17E	160.0		160.0
	060 042 18S	SE1/4,S9,T18S,R17E	160.0		160.0
	060 042 04S	N1/2,S8,T18S,R17E		309.0	309.0
	060 042 24S	NW¼, NW¼S8, T18,R17		7.1	7.1
	060 042 03S	S1/2,S8,T18s,R17E		280.5	280.5
	060 041 03	N1/2,S7,T18s,R17E	384.0		384.0
	060 041 02	NE1/4, NE1/4, NE1/4, SW1/4,S7, T18, R17	0.6		0.6
	060 030 19S	SE1/4,S2,T18S,R16E	157.6		157.6
	060 030 29S	SE1/4,S11,T18,R16	157.6		157.6
			1,420.5	***1,529.2***	***2,949.8***
Orff	028 110 79S	N1/2,S31,T15,R15		306.8	306.8
	028 110 74S	N1/2,SE1/4,S31,T15,R15		80.0	80.0
	028 110 07S	SW1/4,S29,T15,R15	160.0		160.0
	028 110 05	S1/2,SE1/4,NE1/4,S30,T15,R15	20.0		20.0
	028 110 33	N1/2,N1/2,NW1/4.NW1/4,S32,T15,R15	10.0		10.0
	028 110 31S	Por,W1/2,E1/2,NW1/4,S32,T15,R15	30.0		30.0
	028 110 32S	Por,E1/2,NW1/4,S32,T15,R15	22.5		22.5
	028 110 30S	Por,E1/2,NW1/4,S32,T15,R15	15.0		15.0
	028 110 34	S3/4,NW1/4.NW1/4,S32,T15,R15	30.0		30.0
	028 110 35	Por,SW1/4,NW1/4,S32,T15,R15	4.1		4.1
	028 110 36	W1/2,SW1/4,NW1/4,S32,T15,R15	20.0		20.0
	028 110 39S	Por,S1/2,SE1/4,S31,T15,R15	50.0		50.0
	028 110 55S	NW Cor,S31,T15,R15		1.1	1.1
	028 110 44	N1/2,SW1/4,SE1/4,S31,T15,R15		20.0	20.0
	028 110 45	SW1/4,SW1/4,SE1/4,S31,T15,R15	10.0		10.0
			371.6	***407.9***	***779.5***
Walton	019 050 50S	S12,T14,R14	***237.3***		***237.3***
			11,273.3	**11,354.0**	**22,627.2**

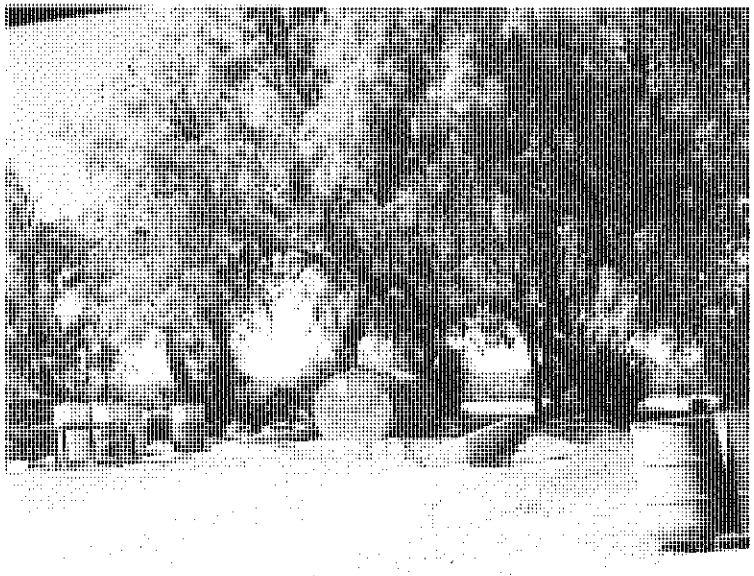
FIGURES

FIGURE 3A
BSK E0313201F
AUGUST 2004

NO. 1 **WOLFSEN,** SW ¼ Section 3, T15S/R14E - Chemical Storage Bldg.; Looking north from south entrance.



NO. 3 **WOLFSEN,** Section 4, T15S/R14E – Turn-around area of landing strip, Looking south



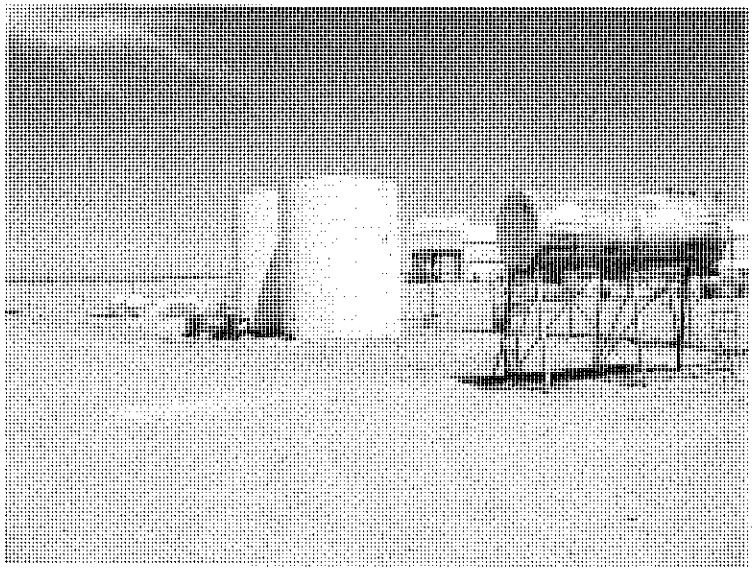
NO. 2 **WOLFSEN,** Section 4, T15S/R14E- Waste Oil Tank and Drum Storage Area in northwest portion of yard; Looking North

PHASE 3 SITE PROPERTY PHOTOGRAPHS

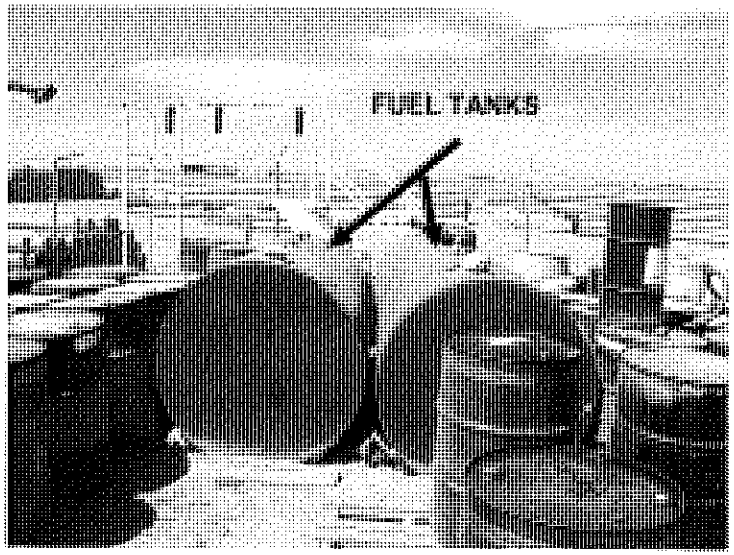
ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK

FIGURE 3B
BSK E0313201F
AUGUST 2004



NO. 1 **PECK,** SE1/4,S1,T16S/R14E - AGTS in southeast portion of yard; Looking northeast



NO. 2 **PECK,** SE1/4,S1,T16S/R14E - Drum storage area AGTs in northeast portion of yard; Looking north

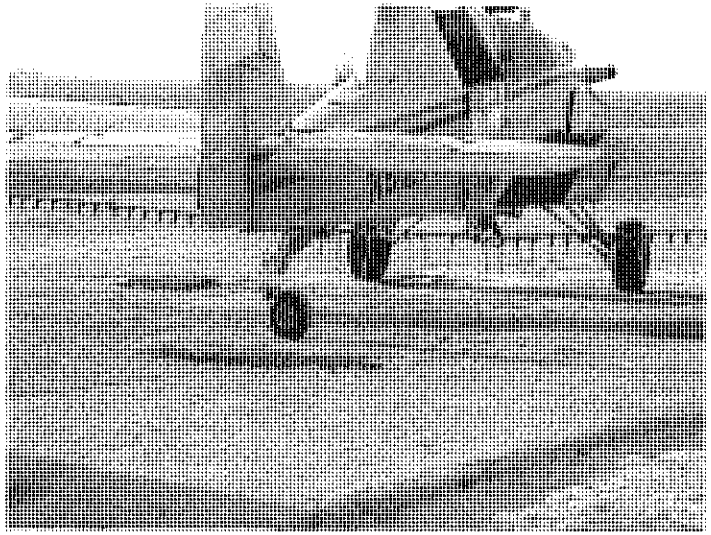
NO. 3 **PECK,** SE1/4,S1,T16S/R14E - Chemical storage building in west-central portion of yard

PHASE 3 SITE PROPERTY PHOTOGRAPHS

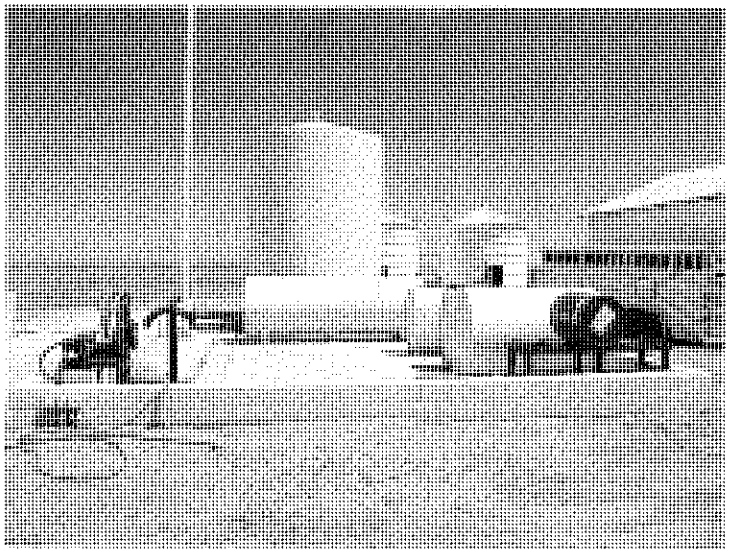
ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK

FIGURE 4
BSK E0313201F
AUGUST 2004



NO. 1 **PECK,** SW¼, Section 12, T16S/R14E - Turn-around area of landing strip; looking southeast.



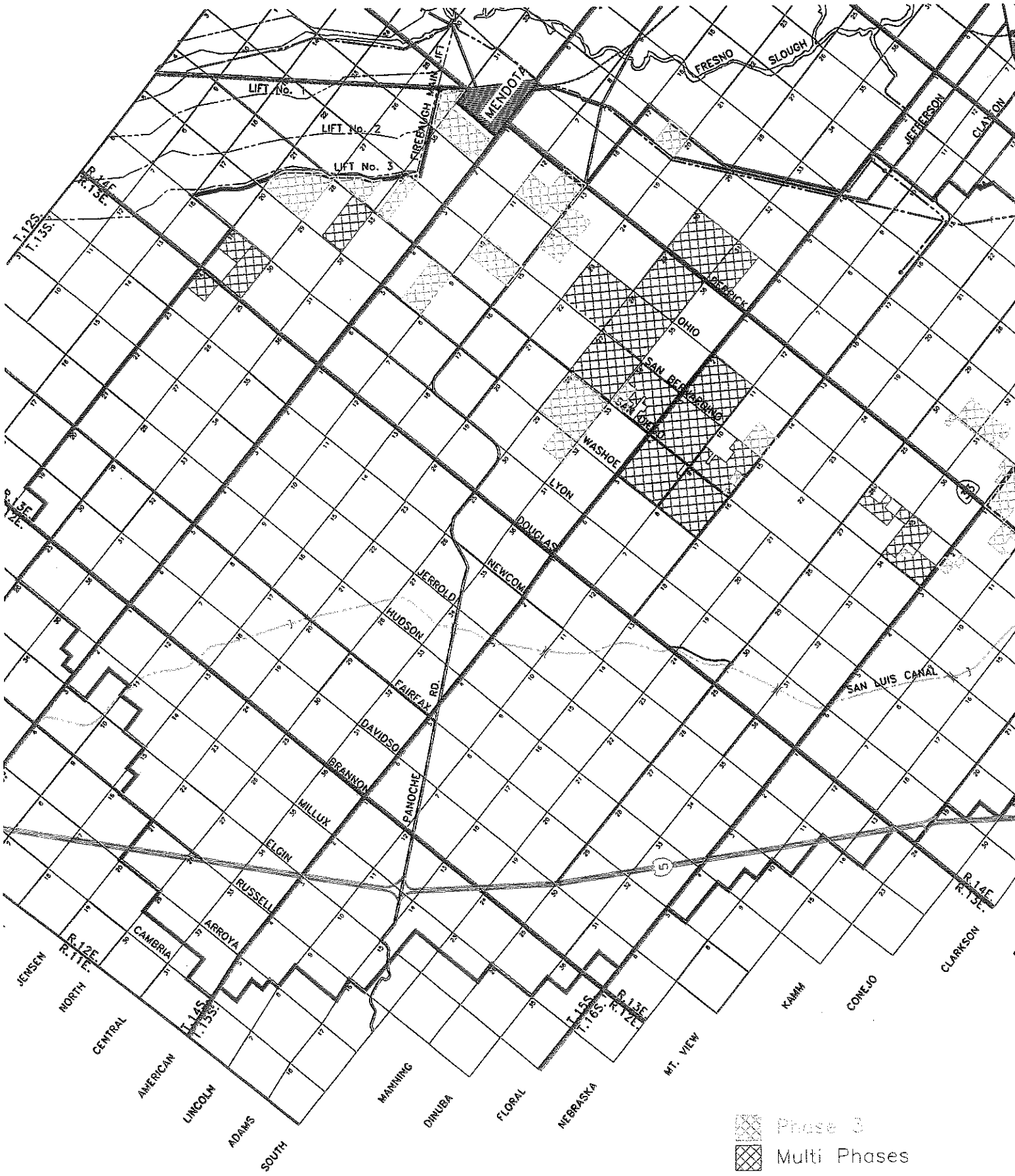
NO. 2 **KRIESANT,** Section 30, T14S/R15E - AGTs in northern portion of yard.

NO. 3 **KRIESANT,** Section 30, T14S/R15E - Drum storage area on east side of northern most storage building.

PHASE 4 SITE PROPERTY PHOTOGRAPHS

REPORT OF FOLLOW-UP SITE VIRONMENTAL REVIEW
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK


LIFT No. 1
LIFT No. 2
LIFT No. 3
MENDOTA
FRESNO SLOUGH
JEFFERSON
CLAYTON
OHIO
SAN BERNARDINO
SAN DIEGO
WASHOE
LYON
DOUGLAS
NEWCOMB
JERROLD
HUDSON
FAIRFAX RD.
DAVIDSON
BRANKON
PANOCHE
MILLUX
ELGIN
RUSSELL
ARROYA
CAMBRIA
SAN LUIS CANAL
JENSEN
NORTH
CENTRAL
AMERICAN
LINCOLN
ADAMS
SOUTH
MANNING
DINUBA
FLORAL
NEBRASKA
MT. VIEW
KAMM
CONEJO
CLARKSON
T.12S.
T.13S.
T.14S.
T.15S.
T.16S.
R.11E.
R.12E.
R.13E.
R.14E.
R.15E.
Phase 3
Multi Phases

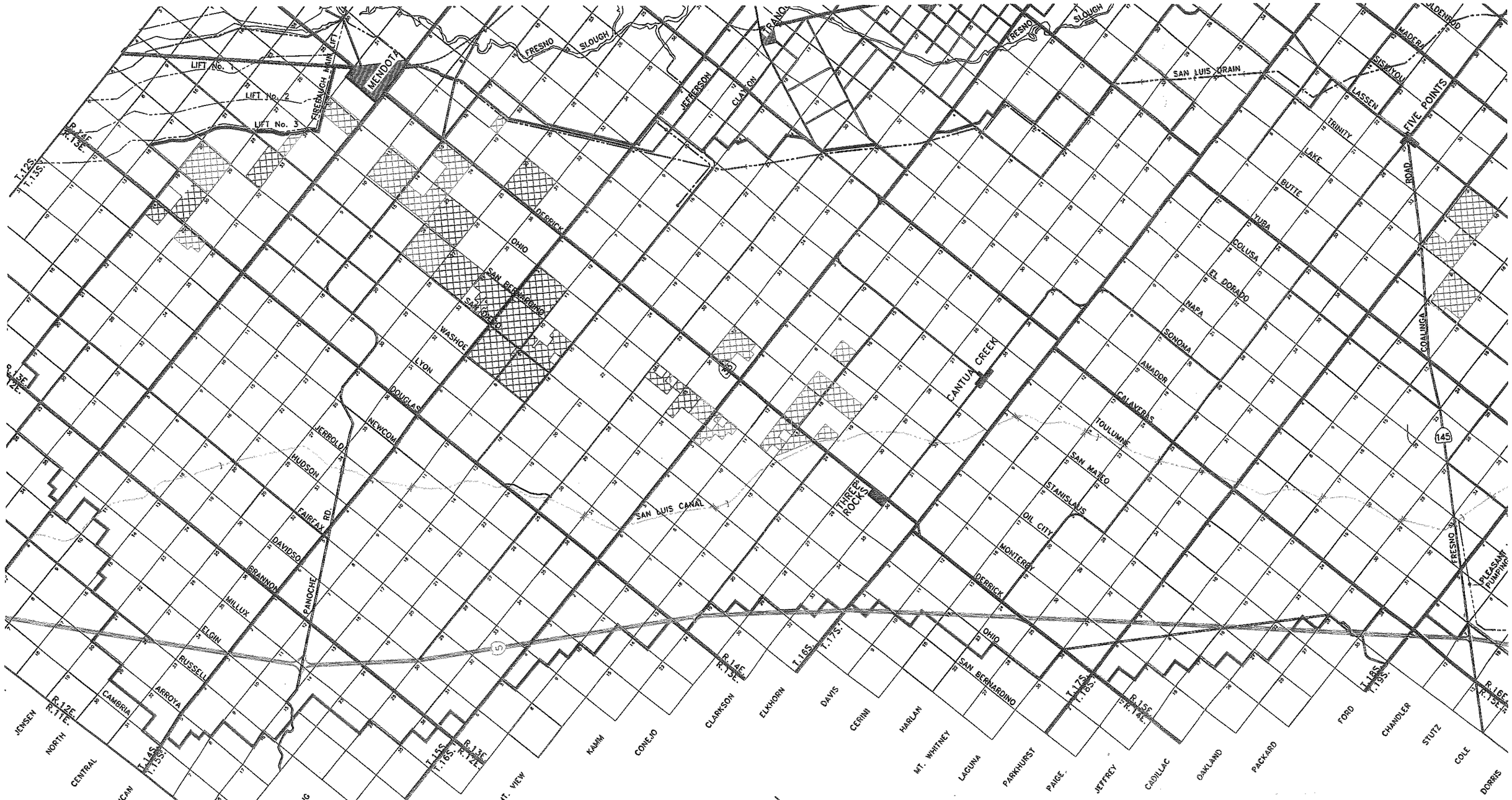


FIGURE 2 - PHASE 4 PROPERTY LOCATIONS

STATE OF CALIFORNIA - Environmental Protection Agency

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
3614 East Ashlan Ave.
Fresno, CA 93726
PHONE: (209) 445-5116
FAX: (209) 445-5910

FILE

24 May 1996

Ms. Carolyn G. Peck
Sumner-Peck Ranch, Inc.
14354 Road 204
Madera, CA 93638

STATUS OF CLOSURE ACTIVITIES, SUMNER-PECK RANCH, INC., EVAPORATION BASIN, FRESNO COUNTY

We have reviewed the status of investigative/closure activities to date, and conclude that:

1. A closure plan addressing the comments from our memorandum of 4 December 1995 needs to be provided.

2. A representative sampling plan should be included with the latest results of basin sampling.

Enclosed is a memo regarding our review of the project status. Prior to **30 July 1996**, please provide us with a technical report which contains a plan and time schedule addressing items 1 and 2 above.

Should you have any questions regarding this letter, please telephone David Troop at (209) 488-4389.

F. SCOTT NEVINS
Senior Engineer
RCE No. 14336

DDT:ddt

cc: Mr. Michael Morse, U.S. Fish and Wildlife Service, Sacramento
Ms. Charyce Taylor, Department of Water Resources, Fresno
Dr. Jeff Single, Department of Fish and Game, Fresno
Mr. Michael Campos, Graham & James, Sacramento
Mr. Raymond Carlson, Baker, Manock & Jenson, Fresno
Mr. Bruce Myers, Krazan & Associates, Inc., Clovis

APPROVED
author 5/30/96
senior 5/30/96

MEMORANDUM

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD • CENTRAL VALLEY REGION
3614 East Ashlan Ave.
Fresno, CA 93726
Phone: (209) 445-5116
CALNET: 8-421-5116

To: F. SCOTT NEVINS
Senior Engineer

From: DAVID D. TROOP
Staff Engineer

DATE: 24 May 1996

SIGNATURE:

Subject: *STATUS OF CLOSURE ACTIVITIES, SUMNER-PECK RANCH, INC., EVAPORATION BASIN, FRESNO COUNTY*

I have reviewed the 27 January 1994 report entitled "Closure/Financial Assurance Plan", along with file documents detailing prior site activities and monitoring events. The following is a summary of site conditions and the status of closure activities.

BACKGROUND

The evaporation basin (site) is in the west-central San Joaquin Valley in a predominantly agricultural area approximately 13 miles south of Mendota. The site, approximately 100 acres in size and divided into six cells by earthen berms, was designed to dispose of agricultural drainage water from the surrounding 960 acres of farmland. The site is connected to a subsurface drainage system consisting of a buried tile-drain network and is designed to control subsurface groundwater levels below the root zone.

The site lies within the Panoche-Cantua Interfan, and consists of soils which are finer grained, consisting of more silts and clays, than the soils which comprise adjacent alluvial fans. Borings drilled in the vicinity of the site indicate that the upper 50 feet of subsurface consists predominantly of interbedded clays, silty clay, fine sandy clays, silty clayey sands and poorly graded fine sand lenses. The Corcoran Clay (locally termed E-Clay) Member of the Tulare Formation underlies the region near the site, and is approximately 100 feet thick at a depth of approximately 700 feet below ground surface (bgs).

Groundwater exists in a perched zone approximately 5 - 7 feet bgs, is of poor quality, and exhibits an electrical conductivity (EC) between 4,000 to 30,000 µmhos/cm. Better quality groundwater exists above the E-Clay at depths of around 400-500 feet bgs and exhibits an EC of around 1200-3500 µmhos/cm.

REMAINING ISSUES TO BE ADDRESSED

Waste Discharge Requirements Order No. 93-165, Provision B.4., required Sumner-Peck Ranch, Inc. (Peck) to submit a financial assurance and closure plan for review and approval of the Executive Officer. The plans were submitted on 27 January 1994 and were commented on by various agencies. Our 4 December 1995 memorandum listed the following deficiencies in the closure plan:

1. Confirmation that sediment concentrations in the basin are at background levels.

2. Lack of a final drainage and grading plan to eliminate water ponding, which could create a hazard to wildlife.

3. Lack of an adequate wildlife monitoring program, along with appropriate/adequate mitigation measures.

4. Lack of a permanent solution for decommissioning the underlying tile-drainage system.

Final plans addressing these issues were requested by 8 January 1996 and have not yet been received.

Recent telephone conversations with the consultant (Krazan) indicate that sediment samples collected from the basin on 5 April 1996 are expected to show background concentrations of selenium. Results of this sampling have not been received. Further, in review of file information, a representative sampling plan has not been located.

CONCLUSION

1. A closure plan addressing the comments from our memo of 4 December 1995 needs to be submitted.

2. A representative sampling plan should be included with the latest results of basin sampling.

Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair

Fresno Branch Office
Internet Address: http://www.swrcb.ca.gov/~rwqcb5
1685 E Street, Fresno, California 93706-2020
Phone (559) 445-5116 • FAX (559) 445-5910

FILE

Gray Davis
Governor

19 December 2002

Mr. Scott Skinner
Murrieta Farms (Westland Trust)
5854 S. San Diego
Mendota, CA 93650

Mr. Red Martin
Westside Resource Conservation Service
3763 E. Robinson Avenue
Fresno, CA 93726-5917

CLOSURE PLAN, MENDOTA AGROFORESTRY DEMONSTRATION PROJECT, FRESNO COUNTY

On 12 December 2002, we received an addendum to your closure plan. The amended closure plan appears adequate. The amended plan anticipates completed closure by 3 January 2003. Please proceed with closure as specified in the addendum to the closure plan. Upon completion of closing the solar evaporator we will schedule a notice of proposed rescission for Order No. 94-299 and propose a monitoring and reporting program as outlined in the addendum to the closure plan. Attached is a draft of the monitoring and reporting program for your review and comment.

Within 60 days of completing field activities for closure, please submit a post closure report certifying that the site was closed in accordance with the amended closure plan. As part of the post closure report, please provide photographs of the closed solar evaporator.

If you have any questions regarding this matter, please email or telephone Anthony Toto at totoa@rb5f.swrcb.ca.gov or (559) 445-6278.

Clay L. Rodgers

CLAY L. RODGERS
Senior Engineering Geologist
CEG No. 1794

ALT

cc: Mr. Walt Shannon, Division of Water Quality, State Water Resources Control Board, Sacramento
Mr. Jose Faria, Department of Water Resources, Fresno
Mr. Manuchar Alemi, Department of Water Resources, Sacramento

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO.

FOR
MURRIETA FARMS (WESTLANDS TRUST)
CLOSED DEMONSTRATION SITE
FRESNO COUNTY

This program shall monitor best management practices for erosion control implemented by Murrieta Farms (Westlands Trust), to control erosion at the sediment encapsulation area and to prevent the occurrence of blowing dust at the closed evaporation basin. This program is required pursuant to Section 13267 of the California Water Code. In the event of any change in ownership or responsibility for monitoring of the closed demonstration site, Murrieta Farms (Westlands Trust) shall notify the succeeding owner or operator of the existence of this Monitoring and Reporting Program by letter, a copy of which shall be immediately forwarded to this office.

a. Site Inspection

Annually, prior to the anticipated rainy season, but no later than 30 September, the Discharger shall conduct an inspection of the encapsulated area. The inspection shall assess the encapsulated area for any evidence of ponded water at any point on the facility (show affected area on map); or any evidence of erosion. Any necessary construction, maintenance, or repairs shall be completed by 31 October.

b. Storm Events

The Discharger shall inspect the encapsulated area for damage **within 7 days** following *major storm events*. Necessary repairs shall be completed **within 30 days** of the inspection. The Discharger shall report any damage and subsequent repairs within 45 days of completion of the repairs, including photographs of the problem and the repairs.

REPORTING

By 1 December of each year, the Discharger shall submit an annual report describing the results of the inspection and the repair measures implemented, including photographs of the problem and the repairs.

The annual report shall also provide:

a. The names, titles, general responsibilities of persons monitoring.

b. The names and telephone numbers of persons to contact for emergency and routine situations.

All reports submitted in response to this Order shall comply with the following signatory clause and appropriate signatures must be included.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

DRAFT

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

_____
(Date)

ALT

Appendix I3

Little Bear 1-4, Limited Phase II Environmental Site Assessment (Nov. 2015)

Arcadis U.S., Inc.
320 Commerce
Suite 200
Irvine
California 92602
Tel 714 730 9052
Fax 714 730 9345
www.arcadis.com

November 4, 2015

Ms. Lien Dinh
First Solar, Inc.
135 Main Street, 6th Floor
San Francisco, CA 94105

Subject: Little Bear 1-4, Limited Phase II Environmental Site Assessment
Arcadis ref: CO002047.0009

Dear Ms. Dinh:

Arcadis U.S., Inc. (Arcadis), at the request of First Solar, Inc. (First Solar), has conducted a limited Phase II Environmental Site Assessment (ESA) of the four adjoining Little Bear parcels (Little Bear 1, Little Bear 2, Little Bear 3, and Little Bear 4; Site) located in Fresno County, California (Figure 1). It is Arcadis' understanding that First Solar has an option to purchase the four parcels of land to redevelop them as a solar electricity generating facility.

Site Location and Description

The Little Bear properties are not identified by physical street addresses. The four properties are bounded by West California Avenue to the north, Jensen Avenue to the south, South Ohio Avenue to the east, and San Bernardino Avenue to the west as shown on Figure 1. There is an unpaved access road that runs north-south between Little Bear 1 and Little Bear 2, and Little Bear 3 and Little Bear 4. West Adams Avenue runs east-west that separates Little Bear 1 and Little Bear 3, and Little Bear 2 and Little Bear 4. The four properties are located approximately 2 ½ miles southwest of Mendota, California, in unincorporated Fresno County. All four properties are located in Section 14, Township 14S, and Range 14E.

Each Little Bear property parcel is square in size and approximately 160 acres of agricultural land periodically used for row crop farming. The four parcels are relatively flat with a gentle southerly slope. The surrounding properties consist of a solar farm to the north, agricultural land to the east and west, and fallow farm land to the south.

Previous Environmental Assessment Investigations

The Westlands Water District (Westlands) contracted with BSK Associates (BSK) to complete limited Phase I ESAs of over 56,000 acres of farm land as part of the Peck Settlement. Land transfers as part of the settlement were divided in three transfer closings

and broken up into Phases. Phase 2 properties were purchased in late 2003 and Phase 3 and Phase 4 properties were purchased in 2004 and 2005, respectively. An initial *Limited Phase I Environmental Site Assessment Report* was prepared by BSK in August 2003 that identified various Recognized Environmental Conditions (RECs) at Phase 2 properties within Westlands coverage area. BSK later prepared an *Addendum to Limited Phase I Environmental Site Assessment* in August 2004 to address RECs at the Phase 3 and Phase 4 properties located in the Westlands coverage area. The Little Bear 2 parcel was a Phase 3 property and the Little Bear 1 parcel, Little Bear 3 parcel, and Little Bear 4 parcel were Phase 4 properties and would have been identified in the addendum. No RECs were identified at the Little Bear properties in the BSK reports.

Objective and Investigation Scope of Work

Although no RECs were identified at the Little Bear properties during the BSK and Arcadis Phase I ESAs, it was determined that a limited Phase II ESA was appropriate for the four properties due to their use as agricultural land and the likelihood that fertilizer, pesticides, and/or herbicides had been previously applied to the land to aid farming practices.

Arcadis and First Solar developed a scope of work to collect shallow soil samples at the Little Bear properties using a hand augering collection method. Six soil samples would be collected at each property and random depths ranging from 0.5- to 3-feet below ground surface (bgs). Additional soil samples would also be collected at portions of the Little Bear properties that were obviously depressed and collection points for ground surface runoff.

Field Sampling Activities

Arcadis mobilized to the Little Bear properties and collected 24 soil samples, six (6) soil samples from each parcel, on October 9, 2015. Soil sample locations are identified on Figure 2. Sample locations were accessed from the perimeter access roads and Jensen Avenue and the unpaved access road that separate the four Little Bear properties. Each of the sample locations was accessed on foot and every effort was made to only access the Little Bear properties only at those locations where farming equipment had left tracks, so as to not disturb the tilled portions of the four properties. Soil boring locations are identified on Figure 2.

Soil samples were collected using a stainless steel hand augering device that was dry wiped between boring locations. Samples were collected at various depths across the site from ground surface to a maximum depth of 3 feet bgs. Collected soil samples were placed in new, laboratory-supplied glassware, labelled with identification information including: unique sample name, collection date and time, and requested analyses. The samples were logged on a Chain of Custody document and placed in an ice-chilled cooler for transport to Positive Lab Service (Positive), a California Environmental Laboratory Accreditation

Program (ELAP) certified laboratory, located in Los Angeles, California, and submitted on 72-hour turnaround time for the following analyses:

- California Code of Regulations Title 22 California Assessment Manual 17 (CAM 17) metals by United States Environmental Protection Agency (USEPA) Method 6010B/7471A,
- Organochlorine Pesticides (OCPs) by USEPA Method 8081A,
- Organophosphorous Pesticides (OPPs) by USEPA Method 8141A, and
- Herbicides by USEPA Method 8151A.

Laboratory analytical results were tabulated, reviewed, and compared with the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) Table K-3 Direct Exposure Screening Levels, Construction /Trench Worker Exposure Scenario (RWQCB, December 2013). The Positive laboratory analytical report has been included as an attachment to this report.

Soil Sampling Analytical Results

Arcadis reviewed the laboratory analytical data and verified that the laboratory's internal quality assurance/quality controls were within specified limits and that the data sets were all valid. Batch samples including Method Blanks, Laboratory Control Samples (LCS), LCS duplicates, Matrix Spikes, and Matrix Spike duplicate analytical results were examined for qualifiers that could potentially bias the analytical results. Matrix interference qualifiers were reported in QA/QC samples for the OCPs Aldrin, endrin and heptachlor, however these analytes were not detected in any of the 24 submitted soil samples. Sample heterogeneity qualifiers were reported in QA/QC samples for the CAM 17 metals chromium and barium, which could potentially bias laboratory analytical results low. No other qualifiers were reported.

After completing the laboratory QA/QC data review, Arcadis compared analyte concentrations with the construct/trench worker exposure screening levels published in the RWQCB ESLs, most recently in December 2013.

Metals Results

Antimony, beryllium, cadmium, silver, and thallium were not detected at concentrations at or above laboratory practical quantitation limits (PQLs) in any sample collected at Little Bear 1-4. Barium, chromium, cobalt, lead, molybdenum, nickel, selenium, vanadium, zinc, and mercury were detected in 10 to 24 samples across the four parcels, all at concentrations below their respective ESLs. Arsenic was detected in all 24 soil samples at the site at concentrations ranging from 7.27 milligrams per kilogram (mg/kg) to 10.9 mg/kg. The ESL for construction/trench workers in a direct exposure soil screening level scenario is 10

mg/kg. Six (6) boring locations had concentrations of arsenic that exceed the published ESL:

Little Bear 1;	LB1-4 (located in the northwest portion of the parcel) – 10.7 mg/kg at 1.5 feet bgs.
Little Bear 3;	LB3-3 (located in the central eastern portion of the parcel) – 10.3 mg/kg at 1.5 feet bgs.
Little Bear 4;	LB4-1 (located in the northwest portion of the parcel) – 10.7 mg/kg at 0.5 feet bgs, LB4-2 (located in the southwest portion of the parcel) – 10.5 mg/kg at 1.0 feet bgs, LB4-4 (located in the northeast portion of the parcel) – 10.9 mg/kg at 2.0 feet bgs, and LB4-5 (located in the southeast portion of the parcel) – 10.4 mg/kg at 1.5 feet bgs.

Summary results of metals analytes in soil are presented on Table 1 as an attachment to this report.

Organochlorine Pesticides Results

OCPs were detected in shallow soil in each of the Little Bear parcels except for Little Bear 4. The only OCPs detected in soil were 4,4'-DDE (at 14 boring locations) and 4,4'-DDT (at one boring location). 4,4'-DDE was detected at concentrations ranging from 18.9 micrograms per kilogram (µg/kg) to 90.5 µg/kg in parcels Little Bear 1 (five boring locations), Little Bear 2 (five boring locations), and Little Bear 3 (four boring locations). 4,4-DDT was detected in parcel Little Bear 3 at boring location LB3-6 at a concentration of 11.7 µg/kg. Each of the detected OCPs have an ESL of 50,000 µg/kg and none of the detections exceeded those concentrations. Summary results of OCP analytes in soil are presented on Table 2 as an attachment to this report.

Organophosphorous Pesticides Results

OPPs were not detected at concentrations exceeding laboratory PQLs in any of the 24 soil samples collected by Arcadis at the Little Bear parcels on October 9, 2015. Summary results of OPP analytes in soil are presented on Table 3 as an attachment to this report.

Herbicides Results

Herbicides were not detected at concentrations exceeding laboratory PQLs in any of the 24 soil samples collected by Arcadis at the Little Bear parcels on October 9, 2015. Summary results of herbicide analytes in soil are presented on Table 4 as an attachment to this report.

Conclusions

Arsenic is only analyte that exceeds its respective ESL in a construction/trench worker scenario at the proposed Little Bear solar project site. Multiple scientific studies have been completed in the State of California that indicate the detected concentrations of arsenic in shallow soil at the Little Bear solar project site are within background soil concentrations in the State of California for this naturally occurring mineral. Additionally, the detected arsenic concentrations were evaluated by Ms. Michele Amaral, Arcadis Principal Toxicologist, who stated the following:

"Although arsenic concentrations in soil were detected above the CalEPA (2013) San Francisco Bay Regional Water Quality Control Board direct contact with soil construction/trench worker environmental screening level (ESL) of 10.3 mg/kg at five locations, the 95 upper confidence limit (95UCL) of the mean concentration is below the ESL.

Area-wide summary statistics and an exposure point concentration (EPC) were generated for arsenic in soil. Statistics were generated using USEPA ProUCL (ver. 5.0.00) software. Area-wide summary statistics and the software recommended 95UCL, i.e., EPC, are presented in the attached table for arsenic in soil. For arsenic in soil between 0.5 and 3 feet bgs the summary statistics provided include: sample size; number of detects; minimum, maximum, mean, and median concentrations; the recommended UCL method (95% Student's-t UCL), and the recommended UCL (9.8 mg/kg). The arsenic soil dataset used in the statistics is included in Table 1.

The EPC was used as the representative arsenic concentration in soil that could potentially be contacted by a future onsite energy utility worker where the entire site is considered an exposure area. USEPA (1989) defines the EPC as "the arithmetic average of the concentration that is contacted over the exposure period." To assure that the estimate of the arithmetic average would not be underestimated, the 95UCL was used as an estimate of the EPC (USEPA 1989; DTSC 1992). A minimum of eight samples with a least four detected concentrations were required to calculate a 95UCL. Based on soil data collected between 0.5 and 3 feet bgs, there were 24 samples collected with 24 arsenic concentrations detected above the laboratory reporting limit.

The arsenic soil EPC of 9.8 mg/kg is below the CalEPA construction/trench worker ESL of 10.3 mg/kg. Thus, evaluation of soil sampling results for Little Bear 1-4 indicates no potential health risk to future onsite energy utility workers directly exposed to arsenic in shallow soil. That is, concentrations of arsenic detected in shallow soil are not expected to pose adverse health effects to future onsite energy utility workers located in these areas."

Sincerely,

Arcadis U.S., Inc.

Lawrence Browne
Project Geologist

Email: lawrence.browne@arcadis.com
Direct line: 714.508.2646

Janet Holtz
Project Manager

Email: janet.holtz@arcadis.com
Direct line: 714.508.2618

Att.
- Table 1: Summary Metals Analytical Results
- Table 2: Summary Organochlorine Pesticides Analytical Results
- Table 3: Summary Organophosphorous Pesticides Analytical Results
- Table 4: Summary Herbicides Analytical Results
- Figure 1: Site Location Map
- Figure 2: Site Map
- Positive Lab Service Report No. 1510114
- UCL Statistics for Arsenic

ATTACHMENTS-

Table 1 - Summary CAM 17 Metals Analytical Results by USEPA Method 6010B/7471A

First Solar - Little Bear 1 through 4

Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybednum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
Direct Exposure Soil Screening Levels*			**120**	**10**	**61,000**	**180**	**110**	**460,000**	**490**	**12,000**	**320**	**1,500**	**6,100**	**1,500**	**1,500**	**3.1**	**1,500**	**93,000**	**27**
Little Bear 1	LB1-1-2.0'	2.0	<2.50	9.18	340	<1.00	<1.00	41.4	8.81	24.9	8.98	1.34	57.5	<1.00	<1.00	<1.00	35.8	66.9	<0.100
	LB1-2-1.0'	1.0	<2.50	7.87	314	<1.00	<1.00	33.7	7.84	20.9	19.9	1.14	46.6	1.49	<1.00	<1.00	30.8	59.2	0.257
	LB1-3-2.5'	2.5	<2.50	9.45	357	<1.00	<1.00	39.8	9.37	26.6	10.1	1.28	54.2	<1.00	<1.00	<1.00	37.8	74.6	0.116
	LB1-4-1.5'	1.5	<2.50	**10.7**	369	<1.00	<1.00	49.4	11.3	33.3	11.4	1.44	71.1	<1.00	<1.00	<1.00	46.0	89.7	0.130
	LB1-5-3.0'	3.0	<2.50	9.72	351	<1.00	<1.00	40.5	9.48	26.3	9.76	1.35	53.7	<1.00	<1.00	<1.00	38.0	74.8	0.183
	LB1-6-0.5'	0.5	<2.50	7.27	315	<1.00	<1.00	57.2	7.16	14.8	6.36	<1.00	58.3	1.12	<1.00	<1.00	25.0	51.4	<0.100
Little Bear 2	LB2-1-2.0'	2.0	<2.50	8.78	320	<1.00	<1.00	42.1	9.03	27.0	9.94	1.19	56.9	1.26	<1.00	<1.00	37.3	68.3	<0.100
	LB2-2-0.5'	0.5	<2.50	8.14	292	<1.00	<1.00	40.2	8.24	22.6	8.50	1.11	50.8	1.10	<1.00	<1.00	32.8	59.6	<0.100
	LB2-3-0.5'	0.5	<2.50	9.09	334	<1.00	<1.00	43.0	9.26	27.6	9.51	1.21	58.2	1.50	<1.00	<1.00	37.6	68.5	<0.100
	LB2-4-1.0'	1.0	<2.50	8.70	314	<1.00	<1.00	44.1	9.72	29.4	9.65	1.26	61.6	1.07	<1.00	<1.00	38.4	68.4	<0.100
	LB2-5-1.0	1.0	<2.50	8.47	309	<1.00	<1.00	42.2	9.16	26.1	9.44	1.05	61.1	1.00	<1.00	<1.00	36.9	64.2	0.110
	LB2-6-1.0'	1.0	<2.50	8.02	310	<1.00	<1.00	34.1	7.64	20.0	7.60	1.16	44.3	1.11	<1.00	<1.00	29.1	55.4	<0.100
Little Bear 3	LB3-1-1.5'	1.5	<2.50	9.77	304	<1.00	<1.00	41.5	9.95	30.0	10.2	1.01	55.9	<1.00	<1.00	<1.00	38.8	75.8	<0.100
	LB3-2-0.5'	0.5	<2.50	9.99	310	<1.00	<1.00	48.1	11.0	34.8	11.5	1.54	65.5	1.01	<1.00	<1.00	45.4	97.8	<0.100
	LB3-3-1.5'	1.5	<2.50	**10.3**	351	<1.00	<1.00	45.2	11.0	37.4	11.6	1.68	60.7	1.41	<1.00	<1.00	46.3	87.8	<0.100
	LB3-4-2.0'	2.0	<2.50	9.83	331	<1.00	<1.00	46.1	10.7	37.7	11.5	1.76	59.9	1.02	<1.00	<1.00	47.2	87.8	<0.100
	LB3-5-1.0'	1.0	<2.50	9.58	321	<1.00	<1.00	44.0	9.94	29.7	9.97	1.38	60.9	<1.00	<1.00	<1.00	39.2	78.8	0.103
	LB3-6-1.5'	1.5	<2.50	9.43	297	<1.00	<1.00	40.6	9.91	34.3	10.9	1.45	54.8	<1.00	<1.00	<1.00	44.0	84.0	0.108
Little Bear 4	LB4-1-0.5'	0.5	<2.50	**10.7**	356	<1.00	<1.00	48.5	11.4	38.7	12.5	1.42	62.0	<1.00	<1.00	<1.00	49.3	93.9	<0.100
	LB4-2-1.0'	1.0	<2.50	**10.5**	328	<1.00	<1.00	50.2	11.5	39.7	12.5	1.24	62.6	1.03	<1.00	<1.00	53.1	93.8	<0.100
	LB4-3-1.0'	1.0	<2.50	9.92	322	<1.00	<1.00	48.1	11.0	37.5	11.6	1.60	61.4	1.05	<1.00	<1.00	47.9	88.1	0.149
	LB4-4-2.0'	2.0	<2.50	**10.9**	360	<1.00	<1.00	51.2	11.7	40.6	13.7	1.68	64.4	1.56	<1.00	<1.00	52.5	94.2	<0.100
	LB4-5-1.5'	1.5	<2.50	**10.4**	339	<1.00	<1.00	49.9	11.1	37.5	11.9	1.45	62.2	1.14	<1.00	<1.00	49.1	87.1	<0.100
	LB4-6-0.5'	0.5	<2.50	9.91	328	<1.00	<1.00	46.3	10.7	34.3	11.2	1.50	61.9	1.02	<1.00	<1.00	44.2	82.9	0.180

Notes

CAM - California Assessment Manual
USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013) (expressed in mg/kg)
<2.5 - not detected at or above the indicated laboratory practical quantitation limit
Bold - detected analyte exceeds respective Environmental Screening Level

ARCADIS Design & Consultancy for natural and built assets

Table 2 - Summary Organochlorine Pesticides Analytical Results by USEPA Method 8081A

First Solar - Little Bear 1 through 4

Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	Aldrin (µg/kg)	alpha-BHC (µg/kg)	beta-BHC (µg/kg)	delta-BHC (µg/kg)	gamma-BHC (Lindane) (µg/kg)	alpha-Chlordane (µg/kg)	gamma-Chlordane (µg/kg)	4,4'-DDD (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDT (µg/kg)	Dieldrin (µg/kg)	Endosulfan I (µg/kg)	Endosulfan II (µg/kg)	Endosulfan sulfate (µg/kg)	Endrin (µg/kg)	Technical Chlordane (µg/kg)	Endrin aldehyde (µg/kg)	Endrin ketone (µg/kg)	Heptachlor (µg/kg)	Heptachlor epoxide (µg/kg)	Methoxychlor (µg/kg)	Toxaphene (µg/kg)
Direct Exposure Soil Screening Levels*			**870**	**--**	**--**	**--**	**--**	**12,000**	**12,000**	**70,000**	**50,000**	**50,000**	**930**	**1,300,000**	**1,300,000**	**1,300,000**	**64,000**	**12,000**	**64,000**	**64,000**	**3,600**	**1,600**	**1,100,000**	**12,000**
Little Bear 1	LB1-1-2.0'	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	90.5	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB1-2-1.0'	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	55.5	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB1-3-2.5'	2.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	55.9	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB1-4-1.5'	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	33.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB1-5-3.0'	3.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	54.6	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB1-6-0.5'	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
Little Bear 2	LB2-1-2.0'	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	42.7	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB2-2-0.5'	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	74.2	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB2-3-0.5'	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	65.4	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB2-4-1.0'	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	18.9	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB2-5-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	24.8	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB2-6-1.0'	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
Little Bear 3	LB3-1-1.5'	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB3-2-0.5'	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	31.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB3-3-1.5'	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB3-4-2.0'	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	53.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB3-5-1.0'	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	28.5	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB3-6-1.5'	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	59.7	11.7	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
Little Bear 4	LB4-1-0.5'	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB4-2-1.0'	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB4-3-1.0'	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB4-4-2.0'	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB4-5-1.5'	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120
	LB4-6-0.5'	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<400	<120

Notes

USEPA - United States Environmental Protection Agency

ft bgs - feet below ground surface

µg/kg - micrograms per kilogram

* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013) (expressed in µg/kg)

-- - no published screening level

<8.00 - not detected at or above the indicated laboratory practical quantitation limit

Table 3 - Summary Organophosphourous Pesticides Analytical Results by USEPA Method 8141A
First Solar - Little Bear 1 through 4
Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	Demeton-o/s (mg/kg)	Azinphos Methyl (mg/kg)	Bolstar (mg/kg)	Chloropyrifos (mg/kg)	Coumaphos (mg/kg)	Diazinon (mg/kg)	Dichlorvos (mg/kg)	Disulfoton (mg/kg)	Ethoprop (mg/kg)	Fensulfothion (mg/kg)	Fenthion (mg/kg)	Merphos (mg/kg)	Methyl Parathion (mg/kg)	Mevinphos (mg/kg)	Naled (mg/kg)	Phorate (mg/kg)	Ronnel (mg/kg)	Stirophos (mg/kg)	Tokulthion (mg/kg)	Trichloronate (mg/kg)
Direct Exposure Soil Screening Levels*			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Little Bear 1	LB1-1-2.0'	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB1-2-1.0'	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB1-3-2.5'	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB1-4-1.5'	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB1-5-3.0'	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB1-6-0.5'	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
Little Bear 2	LB2-1-2.0'	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB2-2-0.5'	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB2-3-0.5'	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB2-4-1.0'	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB2-5-1.0	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB2-6-1.0'	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
Little Bear 3	LB3-1-1.5'	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB3-2-0.5'	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB3-3-1.5'	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB3-4-2.0'	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB3-5-1.0'	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB3-6-1.5'	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
Little Bear 4	LB4-1-0.5'	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB4-2-1.0'	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB4-3-1.0'	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB4-4-2.0'	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB4-5-1.5'	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50
	LB4-6-0.5'	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<2.0	<0.50	<0.50

Notes
USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013)
-- - no published screening level
<0.50 - not detected at or above the indicated laboratory practical quantitation limit

ARCADIS Design & Consultancy for natural and built assets

Table 4 - Summary Herbicides Analytical Results by USEPA Method 8151A

First Solar - Little Bear 1 through 4

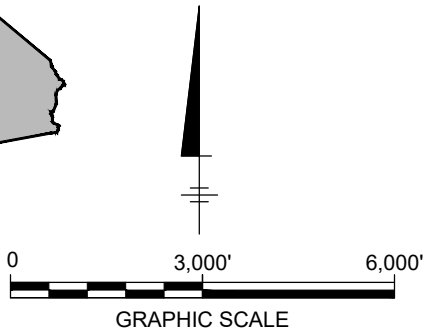
Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	2,4,5-T (mg/kg)	2,4,5-TP (Silvex) (mg/kg)	2,4-D (mg/kg)	2,4-DB (mg/kg)	Dalapon (mg/kg)	Dicamba (mg/kg)	Dichloroprop (mg/kg)	Dinoseb (DNBP) (mg/kg)	MCPA (mg/kg)	MCPP (mg/kg)
Direct Exposure Soil Screening Levels*			--	--	--	--	--	--	--	--	--	--
Little Bear 1	LB1-1-2.0'	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB1-2-1.0'	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB1-3-2.5'	2.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB1-4-1.5'	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB1-5-3.0'	3.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB1-6-0.5'	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
Little Bear 2	LB2-1-2.0'	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB2-2-0.5'	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB2-3-0.5'	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB2-4-1.0'	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB2-5-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB2-6-1.0'	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
Little Bear 3	LB3-1-1.5'	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB3-2-0.5'	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB3-3-1.5'	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB3-4-2.0'	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB3-5-1.0'	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB3-6-1.5'	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
Little Bear 4	LB4-1-0.5'	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB4-2-1.0'	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB4-3-1.0'	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB4-4-2.0'	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB4-5-1.5'	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	LB4-6-0.5'	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0

Notes:

USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013)
-- - no published screening level
<0.020 - not detected at or above the indicated laboratory practical quantitation limit

MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"



FIRST SOLAR
LITTLE BEAR 1 THROUGH 4
FRESNO COUNTY, CALIFORNIA
PHASE II ESA

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: IRVINE DIV/GROUP: ENVCAD DB: E. MURESAN PM: J. HOLTZ
G:\ENVCAD\Irvine\ACT\CO002047\0009\CO002047.0009 Site.dwg LAYOUT: 1 SAVED: 10/15/2015 5:18 PM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 10/16/2015 11:24 AM BY: LOVING, JEFF

LEGEND:

PROPERTY BOUNDARY

LB1-1 △ SOIL BORING LOCATION

0 700 FEET

FIRST SOLAR
LITTLE BEAR 1 THROUGH 4
FRESNO COUNTY, CALIFORNIA
PHASE II ESA

SITE PLAN

ARCADIS

FIGURE
2

CITY:IRVINE, CA DIV/GROUP:ENVCAD DB:ENVCAD
G:\ENVCAD\Irvine\ACT\CO0020247\0009\CO002047.0009 Site.dwg LAYOUT: 2 SAVED: 10/16/2015 11:25 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 10/16/2015 11:48 AM BY: LOVING, JEFF

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

October 15, 2015

Mr. Lawrence Browne
ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Report No.: 1510114
Project Name: Little Bear CO 002047

Dear Mr. Lawrence Browne,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on October 12, 2015.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-1-1.5' Soil (1510114-01) Sampled:10/09/15 11:54 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*86.6 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*90.5 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.77**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**304**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**41.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.95**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**30.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**10.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.01**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**55.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**38.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**75.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-1-1.5' Soil (1510114-01) Sampled:10/09/15 11:54 Received:10/12/15 09:27

EPA 8151A Herbicides	See Attachment										

Sample ID: LB3-2-0.5' Soil (1510114-02) Sampled:10/09/15 12:20 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**31.0**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*85.9 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*84.2 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.99**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**310**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**48.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**34.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**11.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.54**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**65.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.01**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**45.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**97.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch

POSITIVE LAB SERVICE

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-2-0.5' Soil (1510114-02) Sampled:10/09/15 12:20 Received:10/12/15 09:27

EPA 8141A Organo Pesticides	See Attachment
EPA 8151A Herbicides	See Attachment

Sample ID: LB2-1-1.0' Soil (1510114-03) Sampled:10/09/15 13:35 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**42.7**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*82.8 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*87.7 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**8.78**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**320**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**42.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.03**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**27.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**9.94**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.19**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**56.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.26**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**37.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**68.3**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch

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ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB2-1-1.0' Soil (1510114-03) Sampled:10/09/15 13:35 Received:10/12/15 09:27

Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB1-1-2.0' Soil (1510114-04) Sampled:10/09/15 13:47 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	**90.5**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*86.9 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*91.8 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.18**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**340**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**41.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**8.81**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**24.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**8.98**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.34**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**57.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**35.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

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ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB1-1-2.0' Soil (1510114-04) Sampled:10/09/15 13:47 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Zinc	**66.9**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB2-2-0.5' Soil (1510114-05) Sampled:10/09/15 13:56 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**74.2**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*87.1 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*98.3 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**8.14**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**292**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**40.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**8.24**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**22.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**8.50**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.11**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**50.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.10**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB2-2-0.5' Soil (1510114-05) Sampled:10/09/15 13:56 Received:10/12/15 09:27

Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**32.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**59.6**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB1-2-1.0' Soil (1510114-06) Sampled:10/09/15 14:09 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**55.5**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*91.8 %*			*5S-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*84.1 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**7.87**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**314**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**33.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**7.84**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**20.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**19.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.14**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**46.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

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File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB1-2-1.0' Soil (1510114-06) Sampled:10/09/15 14:09 Received:10/12/15 09:27

Selenium	**1.49**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**30.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**59.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.257**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB4-1-0.5' Soil (1510114-07) Sampled:10/09/15 14:25 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*72.5 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*88.1 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**10.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**356**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**48.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**38.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**12.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

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Project: Little Bear CO 002047

Sample ID: LB4-1-0.5' Soil (1510114-07) Sampled:10/09/15 14:25 Received:10/12/15 09:27

Molybdenum	**1.42**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**62.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**49.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**93.9**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB3-3-1.5' Soil (1510114-08) Sampled:10/09/15 14:35 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*82.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*83.0 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**10.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**351**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**45.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

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Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-3-1.5' Soil (1510114-08) Sampled:10/09/15 14:35 Received:10/12/15 09:27

Copper	**37.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**11.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.68**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**60.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.41**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**46.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**87.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB3-4-2.0' Soil (1510114-09) Sampled:10/09/15 14:44 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4´-DDE	**53.0**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*90.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*al*	*BJ51335*
Surrogate: Decachlorobiphenyl	*93.6 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*al*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.83**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**331**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

POSITIVE LAB SERVICE

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-4-2.0' Soil (1510114-09) Sampled:10/09/15 14:44 Received:10/12/15 09:27

Chromium	**46.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**10.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**37.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**11.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.76**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**59.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.02**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**47.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**87.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB4-2-1.0' Soil (1510114-10) Sampled:10/09/15 14:52 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*88.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*al*	*BJ51335*
Surrogate: Decachlorobiphenyl	*91.4 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*al*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**10.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**328**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB4-2-1.0' Soil (1510114-10) Sampled:10/09/15 14:52 Received:10/12/15 09:27

Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**50.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**39.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**12.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.24**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**62.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.03**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**53.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**93.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB4-3-1.0' Soil (1510114-11) Sampled:10/09/15 15:01 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*75.8 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*94.9 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB4-3-1.0' Soil (1510114-11) Sampled:10/09/15 15:01 Received:10/12/15 09:27

Arsenic	**9.92**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**322**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**48.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**37.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**11.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.60**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**61.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.05**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**47.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**88.1**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.149**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB4-4-2.0' Soil (1510114-12) Sampled:10/09/15 15:14 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*88.2 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*86.0 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

POSITIVE LAB SERVICE

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(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB4-4-2.0' Soil (1510114-12) Sampled:10/09/15 15:14 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**10.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**360**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**51.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**40.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**13.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.68**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**64.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.56**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**52.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**94.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment									
EPA 8151A Herbicides	See Attachment									

Sample ID: LB4-5-1.5' Soil (1510114-13) Sampled:10/09/15 15:27 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335

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ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB4-5-1.5' Soil (1510114-13) Sampled:10/09/15 15:27 Received:10/12/15 09:27

Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*88.8 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*93.2 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**10.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**339**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**49.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**37.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**11.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.45**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**62.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.14**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**49.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**87.1**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB2-3-0.5' Soil (1510114-14) Sampled:10/09/15 15:38 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**65.4**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335

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File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB2-3-0.5' Soil (1510114-14) Sampled:10/09/15 15:38 Received:10/12/15 09:27

Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*86.7 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*95.0 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.09**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**334**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**43.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.26**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**27.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**9.51**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.21**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**58.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.50**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**37.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**68.5**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB2-4-1.0' Soil (1510114-15) Sampled:10/09/15 15:49 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	**18.9**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335

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Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB2-4-1.0' Soil (1510114-15) Sampled:10/09/15 15:49 Received:10/12/15 09:27

Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*91.5 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*95.0 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**8.70**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**314**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**44.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.72**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**29.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**9.65**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.26**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**61.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.07**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**38.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**68.4**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB2-5-1.0' Soil (1510114-16) Sampled:10/09/15 15:59 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDE	**24.8**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB2-5-1.0' Soil (1510114-16) Sampled:10/09/15 15:59 Received:10/12/15 09:27

Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*103 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*87.7 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**8.47**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**309**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**42.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.16**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**26.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**9.44**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.05**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**61.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.00**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**36.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**64.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.110**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB1-3-2.5' Soil (1510114-17) Sampled:10/09/15 16:11 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	al	BJ51335
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**55.9**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335

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Certificate of Analysis

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File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB1-3-2.5' Soil (1510114-17) Sampled:10/09/15 16:11 Received:10/12/15 09:27

Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*91.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*96.5 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.45**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**357**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**39.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.37**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**26.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**10.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.28**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**54.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**37.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**74.6**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.116**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB1-4-1.5' Soil (1510114-18) Sampled:10/09/15 16:23 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDE	**33.0**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335

POSITIVE LAB SERVICE

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Certificate of Analysis

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File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB1-4-1.5' Soil (1510114-18) Sampled:10/09/15 16:23 Received:10/12/15 09:27

Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*92.6 %*			*5S-126*		*EPA 3S46*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*90.5 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**10.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**369**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**49.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**11.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**33.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**11.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.44**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**71.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**46.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**89.7**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.130**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB1-5-3.0' Soil (1510114-19) Sampled:10/09/15 16:37 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	al	BJ51335
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
4,4´-DDT	**54.6**		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	al	BJ51335

POSITIVE LAB SERVICE

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB1-5-3.0' Soil (1510114-19) Sampled:10/09/15 16:37 Received:10/12/15 09:27

Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/14/15	ai	BJ51335
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	10/12/15	10/15/15	ai	BJ51335
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/12/15	10/13/15	ai	BJ51335
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*92.1 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Surrogate: Decachlorobiphenyl	*92.1 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/12/15*	*10/13/15*	*ai*	*BJ51335*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**9.72**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**351**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**40.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**9.48**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**26.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**9.76**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	**1.35**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**53.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**38.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**74.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.183**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB1-6-0.5' Soil (1510114-20) Sampled:10/09/15 16:50 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB1-6-0.5' Soil (1510114-20) Sampled:10/09/15 16:50 Received:10/12/15 09:27

4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*97.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*
Surrogate: Decachlorobiphenyl	*94.6 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Arsenic	**7.27**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Barium	**315**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Chromium	**57.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Cobalt	**7.16**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Copper	**14.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Lead	**6.36**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Nickel	**58.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Selenium	**1.12**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Vanadium	**25.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427
Zinc	**51.4**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51427

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51426

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB3-5-1.0' Soil (1510114-21) Sampled:10/09/15 16:57 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511

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ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-5-1.0' Soil (1510114-21) Sampled:10/09/15 16:57 Received:10/12/15 09:27

gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDE	**28.5**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*84.7 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*
Surrogate: Decachlorobiphenyl	*93.5 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Arsenic	**9.58**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Barium	**321**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Chromium	**44.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cobalt	**9.94**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Copper	**29.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Lead	**9.97**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Molybdenum	**1.38**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Nickel	**60.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Vanadium	**39.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Zinc	**78.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.103**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51341

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB2-6-1.0' Soil (1510114-22) Sampled:10/09/15 17:13 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511

POSITIVE LAB SERVICE

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(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB2-6-1.0' Soil (1510114-22) Sampled:10/09/15 17:13 Received:10/12/15 09:27

gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	al	BJ51511
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	al	BJ51511
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	al	BJ51511
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	al	BJ51511
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/13/15	10/14/15	al	BJ51511
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*89.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*al*	*BJ51511*
Surrogate: Decachlorobiphenyl	*93.1 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*al*	*BJ51511*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Arsenic	**8.02**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Barium	**310**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Chromium	**34.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cobalt	**7.64**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Copper	**20.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Lead	**7.60**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Molybdenum	**1.16**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Nickel	**44.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Selenium	**1.11**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Vanadium	**29.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Zinc	**55.4**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51341

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB4-6-0.5' Soil (1510114-23) Sampled:10/09/15 17:21 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511

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File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB4-6-0.5' Soil (1510114-23) Sampled:10/09/15 17:21 Received:10/12/15 09:27

beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4'-DDT	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*84.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*
Surrogate: Decachlorobiphenyl	*82.4 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Arsenic	**9.91**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Barium	**328**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Chromium	**46.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cobalt	**10.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Copper	**34.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Lead	**11.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Molybdenum	**1.50**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Nickel	**61.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Selenium	**1.02**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Vanadium	**44.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Zinc	**82.9**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.180**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51341

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: LB3-6-1.5' Soil (1510114-24) Sampled:10/09/15 17:32 Received:10/12/15 09:27

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch

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File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Sample ID: LB3-6-1.5' Soil (1510114-24) Sampled:10/09/15 17:32 Received:10/12/15 09:27

Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDE	**59.7**		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
4,4´-DDT	**11.7**		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	10/13/15	10/15/15	ai	BJ51511
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	10/13/15	10/14/15	ai	BJ51511
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*68.1 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*
Surrogate: Decachlorobiphenyl	*96.6 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*10/13/15*	*10/14/15*	*ai*	*BJ51511*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Arsenic	**9.43**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Barium	**297**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Chromium	**40.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Cobalt	**9.91**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Copper	**34.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Lead	**10.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Molybdenum	**1.45**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Nickel	**54.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Selenium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Vanadium	**44.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Zinc	**84.0**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	10/13/15	10/13/15	CG	BJ51424
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.108**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	10/13/15	10/13/15	cg	BJ51341
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

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Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51335 - EPA 3546										
Blank Prepared: 10/12/15 Analyzed: 10/13/15										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4´-DDD	ND	2.00	ug/kg							
4,4´-DDE	ND	4.00	ug/kg							
4,4´-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*13.1*		ug/kg	*16.67*		*78.6*	*55-126*			
Surrogate: Decachlorobiphenyl	*14.2*		ug/kg	*16.67*		*85.4*	*49-133*			
LCS Prepared: 10/12/15 Analyzed: 10/13/15										
Aldrin	11.4	2.00	ug/kg	13.33		85.3	56-130			
gamma-BHC (Lindane)	11.3	2.00	ug/kg	13.33		84.8	56-133			
4,4´-DDT	12.2	2.00	ug/kg	13.33		91.5	56-133			
Dieldrin	11.6	2.00	ug/kg	13.33		87.3	62-119			
Endrin	11.5	2.00	ug/kg	13.33		86.4	59-127			
Heptachlor	11.7	2.00	ug/kg	13.33		87.5	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*15.1*		ug/kg	*16.67*		*90.6*	*54-108*			
Surrogate: Decachlorobiphenyl	*14.7*		ug/kg	*16.67*		*88.3*	*54-127*			
Matrix Spike Source: 1510114-12 Prepared: 10/12/15 Analyzed: 10/13/15										
Aldrin	ND	2.00	ug/kg	13.33	ND		39-124			M
gamma-BHC (Lindane)	6.05	2.00	ug/kg	13.33	ND	45.4	44-120			
4,4´-DDT	18.7	2.00	ug/kg	33.33	ND	56.1	48-150			
Dieldrin	21.8	2.00	ug/kg	33.33	ND	65.4	48-144			
Endrin	17.1	2.00	ug/kg	33.33	ND	51.3	54-149			M

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51335 - EPA 3546										
Heptachlor	5.89	2.00	ug/kg	13.33	ND	44.1	46-135			M
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*14.1*		ug/kg	*16.67*		*84.5*	*57-126*			
Surrogate: Decachlorobiphenyl	*13.5*		ug/kg	*16.67*		*81.1*	*43-136*			
Matrix Spike Dup Source: 1510114-12 Prepared: 10/12/15 Analyzed: 10/13/15										
Aldrin	4.91	2.00	ug/kg	13.33	ND	36.8	39-124		30	M
gamma-BHC (Lindane)	6.88	2.00	ug/kg	13.33	ND	51.6	44-120	12.9	30	
4,4´-DDT	20.0	2.00	ug/kg	33.33	ND	60.1	48-150	6.98	30	
Dieldrin	26.8	2.00	ug/kg	33.33	ND	80.3	48-144	20.4	30	
Endrin	21.2	2.00	ug/kg	33.33	ND	63.5	54-149	21.2	30	
Heptachlor	6.90	2.00	ug/kg	13.33	ND	51.7	46-135	15.8	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*12.5*		ug/kg	*16.67*		*74.9*	*57-126*			
Surrogate: Decachlorobiphenyl	*15.3*		ug/kg	*16.67*		*91.9*	*43-136*			
Batch BJ51511 - EPA 3546										
Blank Prepared: 10/13/15 Analyzed: 10/14/15										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4´-DDD	ND	2.00	ug/kg							
4,4´-DDE	ND	4.00	ug/kg							
4,4´-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*15.2*		ug/kg	*16.67*		*91.4*	*55-126*			
Surrogate: Decachlorobiphenyl	*15.0*		ug/kg	*16.67*		*90.3*	*49-133*			
LCS Prepared: 10/13/15 Analyzed: 10/14/15										
Aldrin	11.8	2.00	ug/kg	13.33		88.6	56-130			

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51511 - EPA 3546										
gamma-BHC (Lindane)	10.5	2.00	ug/kg	13.33		79.0	56-133			
4,4´-DDT	14.4	2.00	ug/kg	13.33		108	56-133			
Dieldrin	12.2	2.00	ug/kg	13.33		91.5	62-119			
Endrin	13.7	2.00	ug/kg	13.33		103	59-127			
Heptachlor	12.3	2.00	ug/kg	13.33		92.3	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*15.1*		ug/kg	*16.67*		*90.8*	*54-108*			
Surrogate: Decachlorobiphenyl	*14.3*		ug/kg	*16.67*		*86.0*	*54-127*			
LCS Dup Prepared: 10/13/15 Analyzed: 10/14/15										
Aldrin	11.7	2.00	ug/kg	13.33		88.0	56-130	0.714	30	
gamma-BHC (Lindane)	10.5	2.00	ug/kg	13.33		79.0	56-133	0.0949	30	
4,4´-DDT	14.2	2.00	ug/kg	13.33		107	56-133	1.23	30	
Dieldrin	12.2	2.00	ug/kg	13.33		91.9	62-119	0.335	30	
Endrin	13.7	2.00	ug/kg	13.33		103	59-127	0.110	30	
Heptachlor	12.2	2.00	ug/kg	13.33		91.8	55-110	0.497	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*14.9*		ug/kg	*16.67*		*89.2*	*54-108*			
Surrogate: Decachlorobiphenyl	*15.2*		ug/kg	*16.67*		*90.9*	*54-127*			
Matrix Spike Source: 1510114-23 Prepared: 10/13/15 Analyzed: 10/14/15										
Aldrin	10.9	2.00	ug/kg	13.33	ND	82.1	39-124			
gamma-BHC (Lindane)	9.07	2.00	ug/kg	13.33	ND	68.0	44-120			
4,4´-DDT	31.8	2.00	ug/kg	33.33	ND	95.5	48-150			
Dieldrin	29.4	2.00	ug/kg	33.33	ND	88.2	48-144			
Endrin	31.7	2.00	ug/kg	33.33	ND	95.2	54-149			
Heptachlor	11.9	2.00	ug/kg	13.33	ND	89.0	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*14.6*		ug/kg	*16.67*		*87.5*	*57-126*			
Surrogate: Decachlorobiphenyl	*15.2*		ug/kg	*16.67*		*91.2*	*43-136*			
Matrix Spike Dup Source: 1510114-23 Prepared: 10/13/15 Analyzed: 10/14/15										
Aldrin	11.1	2.00	ug/kg	13.33	ND	83.2	39-124	1.36	30	
gamma-BHC (Lindane)	8.04	2.00	ug/kg	13.33	ND	60.3	44-120	12.1	30	
4,4´-DDT	34.7	2.00	ug/kg	33.33	ND	104	48-150	8.45	30	
Dieldrin	29.9	2.00	ug/kg	33.33	ND	89.6	48-144	1.57	30	
Endrin	30.1	2.00	ug/kg	33.33	ND	90.3	54-149	5.31	30	
Heptachlor	12.2	2.00	ug/kg	13.33	ND	91.6	46-135	2.87	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*15.0*		ug/kg	*16.67*		*90.2*	*57-126*			
Surrogate: Decachlorobiphenyl	*17.1*		ug/kg	*16.67*		*102*	*43-136*			
Batch BJ51424 - EPA 3050B										
Blank Prepared & Analyzed: 10/13/15										
Antimony	ND	2.50	mg/kg							
Arsenic	ND	1.00	mg/kg							
Barium	ND	1.00	mg/kg							

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51424 - EPA 3050B										
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	ND	1.00	mg/kg							
Nickel	ND	1.00	mg/kg							
Selenium	ND	1.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	1.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared & Analyzed: 10/13/15										
Antimony	45.3	2.50	mg/kg	50.10		90.5	60-140			
Arsenic	49.1	1.00	mg/kg	50.10		97.9	80-120			
Barium	199	1.00	mg/kg	199.7		99.8	80-120			
Beryllium	4.76	1.00	mg/kg	5.010		95.0	80-120			
Cadmium	5.04	1.00	mg/kg	5.020		100	80-120			
Chromium	20.1	1.00	mg/kg	20.05		100	80-120			
Cobalt	51.1	1.00	mg/kg	50.00		102	80-120			
Copper	24.9	1.00	mg/kg	25.07		99.2	80-120			
Lead	50.5	1.00	mg/kg	49.97		101	80-120			
Molybdenum	47.0	1.00	mg/kg	49.97		94.0	80-120			
Nickel	53.4	1.00	mg/kg	50.10		107	80-120			
Selenium	46.4	1.00	mg/kg	50.20		92.4	80-120			
Silver	4.80	1.00	mg/kg	4.990		96.3	80-120			
Thallium	50.4	1.00	mg/kg	49.73		101	80-120			
Vanadium	46.6	1.00	mg/kg	50.10		93.0	80-120			
Zinc	53.3	5.00	mg/kg	50.30		106	80-120			
Matrix Spike Source: 1510114-22 Prepared & Analyzed: 10/13/15										
Antimony	39.9	2.50	mg/kg	50.10	ND	79.6	60-140			
Arsenic	54.1	1.00	mg/kg	50.10	8.02	92.1	75-125			
Barium	534	1.00	mg/kg	199.7	310	112	75-125			
Beryllium	4.83	1.00	mg/kg	5.010	0.358	89.2	75-125			
Cadmium	4.51	1.00	mg/kg	5.020	ND	89.9	75-125			
Chromium	56.1	1.00	mg/kg	20.05	34.1	110	75-125			
Cobalt	53.6	1.00	mg/kg	50.00	7.64	92.0	75-125			
Copper	47.1	1.00	mg/kg	25.07	20.0	108	75-125			
Lead	52.7	1.00	mg/kg	49.97	7.60	90.2	75-125			

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51424 - EPA 3050B										
Molybdenum	43.8	1.00	mg/kg	49.97	1.16	85.4	75-125			
Nickel	98.4	1.00	mg/kg	50.10	44.3	108	75-125			
Selenium	44.1	1.00	mg/kg	50.20	1.11	85.6	75-125			
Silver	4.58	1.00	mg/kg	4.990	ND	91.9	75-125			
Thallium	45.0	1.00	mg/kg	49.73	ND	90.5	75-125			
Vanadium	77.0	1.00	mg/kg	50.10	29.1	95.6	75-125			
Zinc	106	5.00	mg/kg	50.30	55.4	100	75-125			
Matrix Spike Dup Source: 1510114-22 Prepared & Analyzed: 10/13/15										
Antimony	41.0	2.50	mg/kg	50.10	ND	81.8	60-140	2.63	30	
Arsenic	54.0	1.00	mg/kg	50.10	8.02	91.7	75-125	0.397	30	
Barium	500	1.00	mg/kg	199.7	310	95.0	75-125	16.7	30	
Beryllium	4.80	1.00	mg/kg	5.010	0.358	88.7	75-125	0.538	30	
Cadmium	4.60	1.00	mg/kg	5.020	ND	91.6	75-125	1.88	30	
Chromium	52.3	1.00	mg/kg	20.05	34.1	90.7	75-125	19.1	30	
Cobalt	53.9	1.00	mg/kg	50.00	7.64	92.5	75-125	0.528	30	
Copper	45.3	1.00	mg/kg	25.07	20.0	101	75-125	7.16	30	
Lead	53.3	1.00	mg/kg	49.97	7.60	91.4	75-125	1.31	30	
Molybdenum	45.0	1.00	mg/kg	49.97	1.16	87.7	75-125	2.67	30	
Nickel	95.1	1.00	mg/kg	50.10	44.3	101	75-125	6.25	30	
Selenium	45.4	1.00	mg/kg	50.20	1.11	88.2	75-125	3.03	30	
Silver	4.65	1.00	mg/kg	4.990	ND	93.1	75-125	1.39	30	
Thallium	46.4	1.00	mg/kg	49.73	ND	93.3	75-125	3.05	30	
Vanadium	74.8	1.00	mg/kg	50.10	29.1	91.3	75-125	4.59	30	
Zinc	102	5.00	mg/kg	50.30	55.4	92.2	75-125	8.43	30	
Batch BJ51427 - EPA 3050B										
Blank Prepared: 10/13/15 Analyzed: 10/14/15										
Antimony	ND	2.50	mg/kg							
Arsenic	ND	1.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	ND	1.00	mg/kg							
Nickel	ND	1.00	mg/kg							
Selenium	ND	1.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	1.00	mg/kg							

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781 East Washington Blvd., Los Angeles, CA 90021
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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51427 - EPA 3050B										
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared & Analyzed: 10/13/15										
Antimony	46.3	2.50	mg/kg	50.10		92.5	60-140			
Arsenic	50.4	1.00	mg/kg	50.10		101	80-120			
Barium	200	1.00	mg/kg	199.7		100	80-120			
Beryllium	4.72	1.00	mg/kg	5.010		94.3	80-120			
Cadmium	5.16	1.00	mg/kg	5.020		103	80-120			
Chromium	20.0	1.00	mg/kg	20.05		99.9	80-120			
Cobalt	51.1	1.00	mg/kg	50.00		102	80-120			
Copper	25.1	1.00	mg/kg	25.07		100	80-120			
Lead	51.9	1.00	mg/kg	49.97		104	80-120			
Molybdenum	48.4	1.00	mg/kg	49.97		96.8	80-120			
Nickel	54.7	1.00	mg/kg	50.10		109	80-120			
Selenium	47.2	1.00	mg/kg	50.20		94.0	80-120			
Silver	5.01	1.00	mg/kg	4.990		100	80-120			
Thallium	52.3	1.00	mg/kg	49.73		105	80-120			
Vanadium	46.5	1.00	mg/kg	50.10		92.8	80-120			
Zinc	52.2	5.00	mg/kg	50.30		104	80-120			
Matrix Spike Source: 1510114-20 Prepared & Analyzed: 10/13/15										
Antimony	43.1	2.50	mg/kg	50.10	0.699	84.5	60-140			
Arsenic	56.3	1.00	mg/kg	50.10	7.27	97.9	75-125			
Barium	488	1.00	mg/kg	199.7	315	87.0	75-125			
Beryllium	4.96	1.00	mg/kg	5.010	0.296	93.1	75-125			
Cadmium	4.87	1.00	mg/kg	5.020	ND	97.0	75-125			
Chromium	59.0	1.00	mg/kg	20.05	57.2	9.03	75-125			V-2
Cobalt	55.0	1.00	mg/kg	50.00	7.16	95.6	75-125			
Copper	39.1	1.00	mg/kg	25.07	14.8	97.0	75-125			
Lead	54.2	1.00	mg/kg	49.97	6.36	95.7	75-125			
Molybdenum	46.3	1.00	mg/kg	49.97	0.919	90.8	75-125			
Nickel	100	1.00	mg/kg	50.10	58.3	83.5	75-125			
Selenium	46.8	1.00	mg/kg	50.20	1.12	90.9	75-125			
Silver	4.74	1.00	mg/kg	4.990	ND	94.9	75-125			
Thallium	48.3	1.00	mg/kg	49.73	ND	97.2	75-125			
Vanadium	70.5	1.00	mg/kg	50.10	25.0	90.8	75-125			
Zinc	98.9	5.00	mg/kg	50.30	51.4	94.4	75-125			
Matrix Spike Dup Source: 1510114-20 Prepared & Analyzed: 10/13/15										
Antimony	43.4	2.50	mg/kg	50.10	0.699	85.3	60-140	0.870	30	
Arsenic	56.2	1.00	mg/kg	50.10	7.27	97.6	75-125	0.379	30	
Barium	452	1.00	mg/kg	199.7	315	68.8	75-125	23.4	30	V-2

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Certificate of Analysis

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Irvine, CA 92602

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BJ51427 - EPA 3050B										
Beryllium	4.93	1.00	mg/kg	5.010	0.296	92.4	75-125	0.662	30	
Cadmium	4.82	1.00	mg/kg	5.020	ND	96.0	75-125	1.04	30	
Chromium	56.3	1.00	mg/kg	20.05	57.2	NR	75-125	NR	30	V-2
Cobalt	54.7	1.00	mg/kg	50.00	7.16	95.2	75-125	0.481	30	
Copper	38.4	1.00	mg/kg	25.07	14.8	93.8	75-125	3.28	30	
Lead	53.5	1.00	mg/kg	49.97	6.36	94.3	75-125	1.50	30	
Molybdenum	46.0	1.00	mg/kg	49.97	0.919	90.2	75-125	0.753	30	
Nickel	98.9	1.00	mg/kg	50.10	58.3	81.1	75-125	2.91	30	
Selenium	46.5	1.00	mg/kg	50.20	1.12	90.3	75-125	0.631	30	
Silver	4.74	1.00	mg/kg	4.990	ND	95.0	75-125	0.0994	30	
Thallium	47.7	1.00	mg/kg	49.73	ND	95.8	75-125	1.41	30	
Vanadium	70.1	1.00	mg/kg	50.10	25.0	90.1	75-125	0.850	30	
Zinc	95.6	5.00	mg/kg	50.30	51.4	87.9	75-125	7.15	30	
Batch BJ51341 - EPA 7471A										
Blank Prepared & Analyzed: 10/13/15										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 10/13/15										
Mercury	0.870	0.100	mg/kg	0.8367		104	80-120			
Matrix Spike Source: 1510114-22 Prepared & Analyzed: 10/13/15										
Mercury	0.970	0.100	mg/kg	0.8367	0.0890	105	75-125			
Matrix Spike Dup Source: 1510114-22 Prepared & Analyzed: 10/13/15										
Mercury	1.21	0.100	mg/kg	0.8367	0.0890	134	75-125	24.0	25	
Batch BJ51426 - EPA 7471A										
Blank Prepared & Analyzed: 10/13/15										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 10/13/15										
Mercury	0.871	0.100	mg/kg	0.8367		104	80-120			
Matrix Spike Source: 1510114-20 Prepared & Analyzed: 10/13/15										
Mercury	1.05	0.100	mg/kg	0.8367	0.0840	115	75-125			
Matrix Spike Dup Source: 1510114-20 Prepared & Analyzed: 10/13/15										
Mercury	1.09	0.100	mg/kg	0.8367	0.0840	120	75-125	4.06	25	

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 10/15/15
Submitted: 10/12/15
PLS Report No.: 1510114

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear CO 002047

Notes and Definitions

V-2	Out-of-Range recovery was due to sample Heterogeneity.
M	Matrix Interference
NA	Not Applicable
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 15, 2015

Mr. John Schmidt
Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

Project: **1510114 / P.O. #14433**
Lab I.D.: **151012-13 through -36**

Dear Mr. Schmidt:

The **analytical results** for the soil samples, received by our lab on October 12, 2015, are attached. The samples were received chilled, intact and accompanying chain of custody record.

The samples were received at four degree Celsius

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB3-1-1.5'**

LAB I.D.: 151012-13

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB3-2-0.5'**

LAB I.D.: 151012-14

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB2-1-1.0'**

LAB I.D.: 151012-15

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB1-1-2.0'** LAB I.D.: 151012-16

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB2-2-0.5'**

LAB I.D.: 151012-17

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB1-2-1.0'**

LAB I.D.: 151012-18

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
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PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB4-1-0.5'**

LAB I.D.: 151012-19

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB3-3-1.5'** LAB I.D.: 151012-20

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB3-4-2.0'** LAB I.D.: 151012-21

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB4-2-1.0'**
LAB I.D.: 151012-22

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB4-3-1.0'**

LAB I.D.: 151012-23

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB4-4-2.0'**
LAB I.D.: 151012-24

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB4-4-1.5'**

LAB I.D.: 151012-25

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB2-3-0.5'**

LAB I.D.: 151012-26

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB2-4-1.0'**

LAB I.D.: 151012-27

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB2-5-1.0'**

LAB I.D.: 151012-28

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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LABORATORY REPORT

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Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB1-3-2.5'**

LAB I.D.: 151012-29

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB1-4-1.5'**
LAB I.D.: 151012-30

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB1-5-3.0'**

LAB I.D.: 151012-31

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB1-6-0.5'**

LAB I.D.: 151012-32

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: EM
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/14/15
DATE REPORTED: 10/15/15

METHOD BLANK FOR LAB I.D.: 151012-13 THROUGH -32

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **10/14/2015**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 151012-13 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.0500	0.0714	**143%**	0.0650	**130%**	**9%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0630	**126%**	70-130
2,4,5-TP	0.0500	0.0515	**103%**	70-130
DINOSEB	0.250	0.303	**121%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	151012-13	151012-14	151012-15	151012-16	151012-17	151012-18	151012-19
DCAA	50-150	126%	135%	140%	129%	134%	126%	133%	131%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		151012-20	151012-21	151012-22	151012-23	151012-24	151012-25	151012-26	151012-27
DCAA	50-150	144%	129%	118%	129%	122%	134%	136%	141%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		151012-28	151012-29	151012-30	151012-31	151012-32			
DCAA	50-150	144%	150%	148%	145%	145%			

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/15/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB3-5-1.0'**

LAB I.D.: 151012-33

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: RH
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/15/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB2-6-1.0'**
LAB I.D.: 151012-34

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/15/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB4-6-0.5'**

LAB I.D.: 151012-35

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/15/15
DATE REPORTED: 10/15/15

SAMPLE I.D.: **LB3-6-1.5'**

LAB I.D.: 151012-36

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

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Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1510114 / P.O. #14433**

MATRIX: SOIL
DATE SAMPLED: 10/09/15
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 10/12/15
DATE EXTRACTED: 10/13-14/15
DATE ANALYZED: 10/15/15
DATE REPORTED: 10/15/15

METHOD BLANK FOR LAB I.D.: 151012-33 THROUGH -36

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report
Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **10/15/2015**
Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 151012-33 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.0500	0.0516	**103%**	0.0561	**112%**	8%	0-20%	50-150

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0647	**129%**	70-130
2,4,5-TP	0.0500	0.0495	**99%**	70-130
DINOSEB	0.250	0.290	**116%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	151012-33	151012-34	151012-35	151012-36			
DCAA	50-150	126%	141%	136%	141%	144%			

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*
Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Lupe called 10/13/15 Δ to 1510114

91691

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

751 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 10/12/15 PAGE 1 OF 3

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service Project Name/No. 1510114 P.O. NO. 14433

AIRBILL NO: _____

ADDRESS: 751 E. Washington Blvd. Los Angeles, CA 90021

ANALYSES REQUESTED:

COOLER TEMP: 4°C

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO:

PRESERVATIVE:

SAMPLER NAME: Client (Printed) (Signature)

REMARKS:

TAT (Analytical Turn Around Time) 0 = Same day; 1 = 24 Hour; 2 = 48 Hour; (Etc.) N = NORMAL 72 Hour

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID#

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	MATRIX: SOIL	MATRIX: SLUDGE	MATRIX: OTHER	TAT	CONTAINER: #	CONTAINER: TYPE	8141A/8151A CAP/HCL	SAMPLE CONDITION/ CONTAINER /COMMENTS:
1		10-9-15	1154	LB3-1-1.5'		✓			B	1	G	Y	151012-13
2			1220	LB3-2-0.5'									-14
3			1335	LB-2-1-1.0'									-15
4			1347	LB1-1-2.0'									-16
5			1356	LB2-2-0.5'									-17
6			1409	LB1-2-1.0'									-18
7			1425	LB4-1-0.5'									-19
8			1435	LB3-3-1.5'									-20
9			1444	LB3-4-2.0'									-21
10			1452	LB4-2-1.0'									-22

Relinquished By: (Signature and Printed Name) [signature] Received By: (Signature and Printed Name) [signature] Date: 10/12/15 Time: 1250

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

91690

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 10/2/15 PAGE 2 OF 3

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service Project Name/No. 15/012 P.O. NO.

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO:

SAMPLER NAME: Client (Printed) (Signature)

TAT (Analytical Turn Around Time) 0 = Same day; 1 = 24 Hour; 2 = 48 Hour; (Etc.) N = NORMAL 72 Hour

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID#

ANALYSES REQUESTED: DRP/Hg; Silica

AIRBILL NO:

COOLER TEMP: 4°C

PRESERVATIVE:

REMARKS:

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	DRP/Hg	Silica	SAMPLE CONDITION/ CONTAINER /COMMENTS:
1		10-9-15	1501	LB4-3-2.0'		✓			3	1	G	✓		15/012-23
2			1514	LB4-4-2.0'										-24
3			1527	LB4-4-1.5'										-25
4			1536	LB2-3-0.5'										-26
5			1549	LB2-4-1.0'										-27
6			1559	LB2-5-1.0'										-28
7			1611	LB1-3-2.5'										-29
8			1623	LB1-4-1.5'										-30
9			1637	LB1-5-3.0'										-31
10			1650	LB1-6-0.5'										-32

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: 10/2/15 Time: 1250

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

SPECIAL INSTRUCTIONS:

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

91686

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: 10-12-15 PAGE 3 OF 3

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service Project Name/No. 151011 P.O. NO.

AIRBILL NO: _____

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021

COOLER TEMP: 4°C

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO:

PRESERVATIVE:

SAMPLER NAME: Client (Printed) (Signature)

REMARKS:

TAT(Analytical Turn Around Time) 0 = Same day; 1 = 24 Hour; 2 = 48 Hour; (Etc.) N = NORMAL 72 Hour

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

ANALYSES REQUESTED: 8141A/8151A CPP/Hob

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	MATRIX: SOIL	MATRIX: SLUDGE	MATRIX: OTHER	TAT	CONTAINER: #	CONTAINER: TYPE	8141A/8151A CPP/Hob	SAMPLE CONDITION/ CONTAINER /COMMENTS:
1		10-9-15	1657	LB3-5-1.0'		X			B	1	G	X	151012 - 33
2		↓	1713	LB2-6-1.0'		↓			↓	↓	↓	↓	↓ - 34
3		↓	1721	LB4-6-0.5'		↓			↓	↓	↓	↓	↓ - 35
4		↓	1732	LB3-6-1.5'		↓			↓	↓	↓	↓	↓ - 36
5													↓ 37
6													
7													
8													
9													
10													

Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
[signature]	[signature]	10-12-15	1250
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

SPECIAL INSTRUCTIONS:

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

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WORK ORDER NUMBER: 15-10-0870

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Enviro-Chem, Inc. Laboratories

Client Project Name: 1510114 (151012-13~36)

Attention: Curtis Desilets
1214 East Lexington Avenue
Pomona, CA 91766-1111

Approved for release on 10/15/2015 by:
Don Burley
Project Manager

[redacted]

[redacted]

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Contents

Client Project Name: 1510114 (151012-13~36)
Work Order Number: 15-10-0870

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3 Client Sample Data. 5
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Work Order Narrative

Work Order: 15-10-0870 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/12/15. They were assigned to Work Order 15-10-0870.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

The report has been revised to change the project number.

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Sample Summary

Client:	Enviro-Chem, Inc. Laboratories 1214 East Lexington Avenue Pomona, CA 91766-1111	Work Order:	15-10-0870
		Project Name:	1510114 (151012-13~36)
		PO Number:	
		Date/Time Received:	10/12/15 16:50
		Number of Containers:	24
Attn:	Curtis Desilets		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
LB3-1-1.5' (151012-13)	15-10-0870-1	10/09/15 11:54	1	Solid
LB3-2-0.5' (151012-14)	15-10-0870-2	10/09/15 12:20	1	Solid
LB2-1-1.0' (151012-15)	15-10-0870-3	10/09/15 13:35	1	Solid
LB1-1-2.0' (151012-16)	15-10-0870-4	10/09/15 13:47	1	Solid
LB2-2-0.5' (151012-17)	15-10-0870-5	10/09/15 13:56	1	Solid
LB1-2-1.0' (151012-18)	15-10-0870-6	10/09/15 14:09	1	Solid
LB4-1-0.5' (151012-19)	15-10-0870-7	10/09/15 14:25	1	Solid
LB3-3-1.5' (151012-20)	15-10-0870-8	10/09/15 14:35	1	Solid
LB3-4-2.0' (151012-21)	15-10-0870-9	10/09/15 14:44	1	Solid
LB4-2-1.0' (151012-22)	15-10-0870-10	10/09/15 14:52	1	Solid
LB4-3-1.0' (151012-23)	15-10-0870-11	10/09/15 15:01	1	Solid
LB4-4-2.0' (151012-24)	15-10-0870-12	10/09/15 15:14	1	Solid
LB4-4-1.5' (151012-25)	15-10-0870-13	10/09/15 15:27	1	Solid
LB2-3-0.5' (151012-26)	15-10-0870-14	10/09/15 15:38	1	Solid
LB2-4-1.0' (151012-27)	15-10-0870-15	10/09/15 15:49	1	Solid
LB2-5-1.0' (151012-28)	15-10-0870-16	10/09/15 15:59	1	Solid
LB1-3-2.5' (151012-29)	15-10-0870-17	10/09/15 16:11	1	Solid
LB1-4-1.5' (151012-30)	15-10-0870-18	10/09/15 16:23	1	Solid
LB1-5-3.0' (151012-31)	15-10-0870-19	10/09/15 16:37	1	Solid
LB1-6-0.5' (151012-32)	15-10-0870-20	10/09/15 16:50	1	Solid
LB3-5-1.0' (151012-33)	15-10-0870-21	10/09/15 16:57	1	Solid
LB2-6-1.0' (151012-34)	15-10-0870-22	10/09/15 17:13	1	Solid
LB4-6-0.5' (151012-35)	15-10-0870-23	10/09/15 17:21	1	Solid
LB3-6-1.5' (151012-36)	15-10-0870-24	10/09/15 17:32	1	Solid

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 1 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB3-1-1.5' (151012-13)	15-10-0870-1-A	10/09/15 11:54	Solid	GC 35	10/12/15	10/14/15 03:04	151012L08

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	77	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 2 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB3-2-0.5' (151012-14)	15-10-0870-2-A	10/09/15 12:20	Solid	GC 35	10/12/15	10/14/15 03:50	151012L08

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	67	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 3 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB2-1-1.0' (151012-15)	**15-10-0870-3-A**	**10/09/15 13:35**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 04:36**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	63	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 4 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB1-1-2.0' (151012-16)	15-10-0870-4-A	10/09/15 13:47	Solid	GC 35	10/12/15	10/14/15 05:21	151012L08

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	75	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 5 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB2-2-0.5' (151012-17)	**15-10-0870-5-A**	**10/09/15 13:56**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 06:07**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	50	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 6 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB1-2-1.0' (151012-18)	**15-10-0870-6-A**	**10/09/15 14:09**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 06:53**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	63	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 7 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB4-1-0.5' (151012-19)	**15-10-0870-7-A**	**10/09/15 14:25**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 07:39**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	81	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 8 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB3-3-1.5' (151012-20)	**15-10-0870-8-A**	**10/09/15 14:35**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 08:25**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	90	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 9 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB3-4-2.0' (151012-21)	**15-10-0870-9-A**	**10/09/15 14:44**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 09:11**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	66	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 10 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB4-2-1.0' (151012-22)	**15-10-0870-10-A**	**10/09/15 14:52**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 09:57**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	81	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 11 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB4-3-1.0' (151012-23)	**15-10-0870-11-A**	**10/09/15 15:01**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 10:42**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	81	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 12 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB4-4-2.0' (151012-24)	**15-10-0870-12-A**	**10/09/15 15:14**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 11:28**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	91	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 13 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB4-4-1.5' (151012-25)	15-10-0870-13-A	10/09/15 15:27	Solid	GC 35	10/12/15	10/13/15 12:47	151012L09

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	75	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 14 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB2-3-0.5' (151012-26)	**15-10-0870-14-A**	**10/09/15 15:38**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 13:32**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	73	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 15 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB2-4-1.0' (151012-27)	**15-10-0870-15-A**	**10/09/15 15:49**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 14:18**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	76	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 16 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB2-S-1.0' (151012-28)	**15-10-0870-16-A**	**10/09/15 15:59**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 15:04**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	86	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 17 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB1-3-2.5' (151012-29)	**15-10-0870-17-A**	**10/09/15 16:11**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 15:50**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	57	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 18 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB1-4-1.5' (151012-30)	**15-10-0870-18-A**	**10/09/15 16:23**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 16:36**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	68	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 19 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB1-5-3.0' (151012-31)	**15-10-0870-19-A**	**10/09/15 16:37**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 17:22**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	51	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 20 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB1-6-0.5' (151012-32)	**15-10-0870-20-A**	**10/09/15 16:50**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 18:08**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	33	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 21 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB3-5-1.0 (151012-33)	**15-10-0870-21-A**	**10/09/15 16:57**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 18:53**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	51	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 22 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB2-6-1.0' (151012-34)	**15-10-0870-22-A**	**10/09/15 17:13**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 17:10**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	85	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 23 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB4-6-0.5' (151012-35)	**15-10-0870-23-A**	**10/09/15 17:21**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 21:43**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	73	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 24 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB3-6-1.5' (151012-36)	**15-10-0870-24-A**	**10/09/15 17:32**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 22:29**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	84	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 25 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-873-221**	**N/A**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 01:32**	**151012L08**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	97	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: 1510114 (151012-13~36)			Page 26 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-220**	**N/A**	**Solid**	**GC 35**	**10/12/15**	**10/12/15 21:25**	**151012L09**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	96	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: 1510114 (151012-13~36)			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LB4-1-0.5' (151012-19)	**Sample**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 07:39**	**151012S08**
LB4-1-0.5' (151012-19)	**Matrix Spike**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 12:14**	**151012S08**
LB4-1-0.5' (151012-19)	**Matrix Spike Duplicate**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 17:56**	**151012S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	3.660	92	3.458	86	30-130	6	0-30	
Bolstar	ND	4.000	3.477	87	3.594	90	30-130	3	0-30	
Chlorpyrifos	ND	4.000	3.496	87	3.588	90	30-130	3	0-30	
Coumaphos	ND	4.000	3.465	87	3.455	86	30-130	0	0-30	
Diazinon	ND	4.000	3.615	90	3.716	93	30-130	3	0-30	
Disulfoton	ND	4.000	3.548	89	3.678	92	30-130	4	0-30	
Ethoprop	ND	4.000	3.318	83	3.235	81	30-130	3	0-30	
Fensulfothion	ND	4.000	2.819	70	2.262	57	30-130	22	0-30	
Fenthion	ND	4.000	3.530	88	3.554	89	30-130	1	0-30	
Merphos	ND	4.000	3.519	88	3.907	98	30-130	10	0-30	
Methyl Parathion	ND	4.000	3.399	85	3.283	82	30-130	3	0-30	
Phorate	ND	4.000	4.063	102	4.527	113	30-130	11	0-30	
Ronnel	ND	4.000	3.263	82	3.409	85	30-130	4	0-30	
Stirophos	ND	4.000	3.387	85	3.290	82	30-130	3	0-30	
Tokuthion	ND	4.000	3.286	82	3.461	87	30-130	5	0-30	
Trichloronate	ND	4.000	3.505	88	3.746	94	30-130	7	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: 1510114 (151012-13~36)			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LB4-6-0.5' (151012-35)	**Sample**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 21:43**	**151012S09**
LB4-6-0.5' (151012-35)	**Matrix Spike**	**Solid**	**GC 35**	**10/12/15**	**10/13/15 23:15**	**151012S09**
LB4-6-0.5' (151012-35)	**Matrix Spike Duplicate**	**Solid**	**GC 35**	**10/12/15**	**10/14/15 00:01**	**151012S09**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	3.479	87	3.519	88	30-130	1	0-30	
Bolstar	ND	4.000	3.445	86	3.500	88	30-130	2	0-30	
Chlorpyrifos	ND	4.000	3.364	84	3.427	86	30-130	2	0-30	
Coumaphos	ND	4.000	3.426	86	3.469	87	30-130	1	0-30	
Diazinon	ND	4.000	3.528	88	3.605	90	30-130	2	0-30	
Disulfoton	ND	4.000	3.523	88	3.528	88	30-130	0	0-30	
Ethoprop	ND	4.000	3.085	77	3.186	80	30-130	3	0-30	
Fensulfothion	ND	4.000	2.402	60	2.572	64	30-130	7	0-30	
Fenthion	ND	4.000	3.388	85	3.419	85	30-130	1	0-30	
Merphos	ND	4.000	3.118	78	3.002	75	30-130	4	0-30	
Methyl Parathion	ND	4.000	3.106	78	3.135	78	30-130	1	0-30	
Phorate	ND	4.000	4.229	106	4.253	106	30-130	1	0-30	
Ronnel	ND	4.000	3.221	81	3.271	82	30-130	2	0-30	
Stirophos	ND	4.000	3.239	81	3.287	82	30-130	1	0-30	
Tokuthion	ND	4.000	3.306	83	3.367	84	30-130	2	0-30	
Trichloronate	ND	4.000	3.551	89	3.604	90	30-130	1	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: 1510114 (151012-13~36)			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-221	LCS	Solid	GC 35	10/12/15	10/14/15 02:18	151012L08

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	4.007	100	30-130	13-147	
Bolstar	4.000	3.796	95	30-130	13-147	
Chlorpyrifos	4.000	3.755	94	30-130	13-147	
Coumaphos	4.000	3.711	93	30-130	13-147	
Diazinon	4.000	4.052	101	30-130	13-147	
Disulfoton	4.000	3.882	97	30-130	13-147	
Ethoprop	4.000	4.094	102	30-130	13-147	
Fensulfothion	4.000	3.862	97	30-130	13-147	
Fenthion	4.000	3.822	96	30-130	13-147	
Merphos	4.000	4.013	100	30-130	13-147	
Methyl Parathion	4.000	3.686	92	30-130	13-147	
Phorate	4.000	4.724	118	30-130	13-147	
Ronnel	4.000	3.590	90	30-130	13-147	
Stirophos	4.000	3.937	98	30-130	13-147	
Tokuthion	4.000	3.634	91	30-130	13-147	
Trichloronate	4.000	3.934	98	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Enviro-Chem, Inc. Laboratories		Date Received:	10/12/15
1214 East Lexington Avenue		Work Order:	15-10-0870
Pomona, CA 91766-1111		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: 1510114 (151012-13~36)			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-873-220	LCS	Solid	GC 35	10/12/15	10/12/15 20:39	151012L09

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	4.237	106	30-130	13-147	
Bolstar	4.000	4.117	103	30-130	13-147	
Chlorpyrifos	4.000	3.984	100	30-130	13-147	
Coumaphos	4.000	3.926	98	30-130	13-147	
Diazinon	4.000	4.322	108	30-130	13-147	
Disulfoton	4.000	4.253	106	30-130	13-147	
Ethoprop	4.000	4.413	110	30-130	13-147	
Fensulfothion	4.000	4.078	102	30-130	13-147	
Fenthion	4.000	4.159	104	30-130	13-147	
Merphos	4.000	4.155	104	30-130	13-147	
Methyl Parathion	4.000	3.957	99	30-130	13-147	
Phorate	4.000	5.120	128	30-130	13-147	
Ronnel	4.000	3.876	97	30-130	13-147	
Stirophos	4.000	4.131	103	30-130	13-147	
Tokuthion	4.000	3.932	98	30-130	13-147	
Trichloronate	4.000	4.234	106	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-10-0870

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8141A	EPA 3545	960	GC 35	1

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Glossary of Terms and Qualifiers

Work Order: 15-10-0870

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Donald Burley

From: envirocheminc@gmail.com
Sent: Thursday, October 15, 2015 12:52 PM
To: Donald Burley
Subject: Re: 1510113 (151012-13~36) / ECI 15-10-0870

Hi Donald,

Can we get the job # from 1510113 to 1510114

Thanks
Jessica Lin

Enviro-Chem, Inc.
909-590-5905

Enviro-Chem, Inc. does not accept responsibility or liability with respect to the contents of this email. Enviro-Chem, Inc. also does not accept responsibility or liability in any way for any errors, omissions, damages or loss that results from the use of this email. This email (including any attachments) is CONFIDENTIAL and may also be legally PRIVILEGED. If you have received this email in error, please delete it and all other copies. Please notify the sender immediately by return Email. If you are not the intended recipient, you may not copy, transfer, use or disclose any part or in full. Unauthorized use or dissemination of this email in whole or in part, is strictly prohibited. Email is not guaranteed to be timely, secure or without errors. Email may contain viruses or malicious code.

On 10/15/2015 10:42 AM, Donald Burley wrote:

> Don Burley
>
> Eurofins Calscience, Inc.
> 7440 Lincoln Way
> Garden Grove, CA 92841
> USA
> Phone: +1 714 895 5494
>
> Email: DonaldBurley@eurofinsUS.com
> Website: www.calscience.com
>
> The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. Email transmission cannot be guaranteed to be secure or error free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete. The sender therefore is in no way liable for any errors or omissions in the content of this message which may arise as a result of email transmission. If verification is required, please request a hard copy. We take reasonable precautions to ensure our emails are free from viruses. You need, however, to verify that this email and any attachments are free of viruses, as we can take no responsibility for any computer viruses, which might be transferred by way of this email. We may monitor all email communication through our networks. If you contact us by email, we may store your name and address to facilitate communication.

Notify us here to report this email as spam.

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other: RUSH

15-10-0870

Misc./PO# Calscience

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8141A									COMMENTS
								Analysis Required									
LB3-1-1.5' (151012-13)	1	10/09/15	11:54	Soil	1		None	X									
LB3-2-0.5' (151012-14)	2	10/09/15	12:20	Soil	1		None	X									
LB2-1-1.0' (151012-15)	3	10/09/15	13:35	Soil	1		None	X									
LB1-1-2.0' (151012-16)	4	10/09/15	13:47	Soil	1		None	X									
LB2-2-0.5' (151012-17)	5	10/09/15	13:56	Soil	1		None	X									
LB1-2-1.0' (151012-18)	6	10/09/15	14:09	Soil	1		None	X									
LB4-1-0.5' (151012-19)	7	10/09/15	14:25	Soil	1		None	X									
LB3-3-1.5' (151012-20)	8	10/09/15	14:35	Soil	1		None	X									
LB3-4-2.0' (151012-21)	9	10/09/15	14:44	Soil	1		None	X									
LB4-2-1.0' (151012-22)	10	10/09/15	14:52	Soil	1		None	X									
LB4-3-1.0' (151012-23)	11	10/09/15	15:01	Soil	1		None	X									
LB4-4-2.0' (151012-24)	12	10/09/15	15:14	Soil	1		None	X									
LB4-4-1.5' (151012-25)	13	10/09/15	15:27	Soil	1		None	X									
LB2-3-0.5' (151012-26)	14	10/09/15	15:38	Soil	1		None	X									
LB2-4-1.0' (151012-27)	15	10/09/15	15:49	Soil	1		None	X									

Company Name: Enviro-Chem, Inc	Project Contact: Curtis Desilets	Sampler's Signature: N/A
Address: 1214 E. Lexington Avenue	Tel: 909-590-5905	Project Name/ID: 1510113 (151012-13~36)
City/State/Zip: Pomona, CA 91766	Fax/Email: envirocheminc @ gmail.com	

Relinquished by: (Curtis Desilets)	Received by:	Date & Time: 10/12/15 1650	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 10/12/15

WHITE WITH SAMPLE • YELLOW T
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Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
X 72 Hours
0 1 Week (Standard)
Other: PUSH

Misc./PO#: Calscience

0870

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8141A									COMMENTS
								Analysis Required									
LB2-5-1.0' (151012-28)	16	10/09/15	15:59	Soil	1		None	X									
LB1-3-2.5' (151012-29)	17	10/09/15	16:11	Soil	1		None	X									
LB1-4-1.5' (151012-30)	18	10/09/15	16:23	Soil	1		None	X									
LB1-5-3.0' (151012-31)	19	10/09/15	16:37	Soil	1		None	X									
LB1-6-0.5' (151012-32)	20	10/09/15	16:50	Soil	1		None	X									
LB3-5-1.0' (151012-33)	21	10/09/15	16:57	Soil	1		None	X									
LB2-6-1.0' (151012-34)	22	10/09/15	17:13	Soil	1		None	X									
LB4-6-0.5' (151012-35)	23	10/09/15	17:21	Soil	1		None	X									
LB3-6-1.5' (151012-36)	24	10/09/15	17:32	Soil	1		None	X									

Company Name: Enviro-Chem, Inc	Project Contact: Curtis Desilets	Sampler's Signature:
Address: 1214 E. Lexington Avenue	Tel: 909-590-5905	Project Name/ID: 1510113 (151012-13~36)
City/State/Zip: Pomona, CA 91766	Fax/Email: envirocheminc @ gmail.com	

Relinquished by: (Curtis Desilets)	Received by:	Date & Time: 10/12/15 1650
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/12/15

WHITE WITH SAMPLE • YELLOW T... Return to Contents

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eurofins | Calscience

WORK ORDER NUMBER: 15-10- 0870

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enviro-Chem

DATE: 10 / 12 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 4.4 °C (w/ CF): 4.0 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 836
Sample(s)	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☑	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: **(Trip Blank Lot Number: _____)**

Aqueous: ☐ VOA ☐ VOAh ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☑ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☑ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 836

s = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH Reviewed by: 3W

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ARCADIS
Infrastructure · Water · Environment · Buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

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Lab Work Order # 1510114

Send Results to:

Contact & Company Name: ARCADIS	Telephone: 714 508 2646
Address: 320 COMMERCE	Fax: 714 730 9345
City: IRVINE State: CA Zip: 92602	E-mail Address:
Project Name/Location (City, State): LITTLE BEAR	Project #: CO 002047
Sampler's Printed Name: LAWRENCE BROWNE	Sampler's Signature: [signature]

Preservative	ICE						
Filtered (✓)							
# of Containers	2						
Container Information	4oz/8oz						

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil
W - Water, SL - Sludge, SW - Sample Wipe
T - Tissue, A - Air, Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	METALS 6010/7471	OCP 8081A	OPP 8141A	HERB 8151A				REMARKS
LB3-1-1.5'	10/1/15	1154		X	SO	X	X	X	X				
LB3-2-0.5'		1220											
LB2-1-1.0'		1335											
LB1-1-2.0'		1347											
LB2-2-0.5'		1356											
LB1-2-1.0'		1409											
LB4-1-0.5'		1425											
LB3-3-1.5'		1435											
LB3-4-2.0'		1444											
LB4-2-1.0'		1452											
LB4-3-1.0'		1501											
LB4-4-2.0'		1514											
LB4-~~4~~5-1.5'		1527											10/12/15 @ 2:47 Verbal [illegible] Lawrence Brown
LB2-3-0.5'		1538		X	SO	X	X	X	X				

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

STD TAT (*) TAT changed to 72hr per Lawrence B. 10/12/15 @1134 AM via e-mail

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: POSITIVE	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: L. BROWNE	Printed Name: John Schmidt	Printed Name: John Schmidt	Printed Name: G. Gutierrez
☒ Cooler packed with ice (✓)		Signature: [signature]	Signature: [signature]	Signature: [signature]	Signature: [signature]
Specify Turnaround Requirements: STD TAT	Sample Receipt:	Firm: ARCADIS	Firm/Courier: PLS	Firm/Courier: PLS	Firm: PLS
Shipping Tracking #:	Condition/Cooler Temp: 0.9°C	Date/Time: 10/12/15 0927	Date/Time: 10/12/15 0927	Date/Time: 10/12/15 1020	Date/Time: 10/2/15 @ 1020

	A	B	C	D	E	F	G	H	I	J	K	L
1	**UCL Statistics for Uncensored Full Data Sets**											
2												
3	User Selected Options											
4	Date/Time of Computation			11/1/2015 7:59:12 PM								
5	From File			WorkSheet_a.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	**Arsenic**											
12												
13	**General Statistics**											
14	Total Number of Observations					24	Number of Distinct Observations					23
15							Number of Missing Observations					0
16	Minimum					7.27	Mean					9.443
17	Maximum					10.9	Median					9.65
18	SD					0.982	Std. Error of Mean					0.201
19	Coefficient of Variation					0.104	Skewness					-0.533
20												
21	**Normal GOF Test**											
22	Shapiro Wilk Test Statistic					0.958	**Shapiro Wilk GOF Test**					
23	5% Shapiro Wilk Critical Value					0.916	Data appear Normal at 5% Significance Level					
24	Lilliefors Test Statistic					0.12	**Lilliefors GOF Test**					
25	5% Lilliefors Critical Value					0.181	Data appear Normal at 5% Significance Level					
26	**Data appear Normal at 5% Significance Level**											
27												
28	**Assuming Normal Distribution**											
29	**95% Normal UCL**						**95% UCLs (Adjusted for Skewness)**					
30	95% Student's-t UCL					9.786	95% Adjusted-CLT UCL (Chen-1995)					9.749
31							95% Modified-t UCL (Johnson-1978)					9.783
32												
33	**Gamma GOF Test**											
34	A-D Test Statistic					0.438	**Anderson-Darling Gamma GOF Test**					
35	5% A-D Critical Value					0.742	Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic					0.134	**Kolmogrov-Smirnoff Gamma GOF Test**					
37	5% K-S Critical Value					0.177	Detected data appear Gamma Distributed at 5% Significance Level					
38	**Detected data appear Gamma Distributed at 5% Significance Level**											
39												
40	**Gamma Statistics**											
41	k hat (MLE)					92.16	k star (bias corrected MLE)					80.67
42	Theta hat (MLE)					0.102	Theta star (bias corrected MLE)					0.117
43	nu hat (MLE)					4424	nu star (bias corrected)					3872
44	MLE Mean (bias corrected)					9.443	MLE Sd (bias corrected)					1.051
45							Approximate Chi Square Value (0.05)					3729
46	Adjusted Level of Significance					0.0392	Adjusted Chi Square Value					3719
47												
48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL (use when n>=50))					9.806	95% Adjusted Gamma UCL (use when n<50)					9.832
50												
51	**Lognormal GOF Test**											
52	Shapiro Wilk Test Statistic					0.943	**Shapiro Wilk Lognormal GOF Test**					

	A	B	C	D	E	F	G	H	I	J	K	L
53					5% Shapiro Wilk Critical Value	0.916	Data appear Lognormal at 5% Significance Level					
54					Lilliefors Test Statistic	0.14	**Lilliefors Lognormal GOF Test**					
55					5% Lilliefors Critical Value	0.181	Data appear Lognormal at 5% Significance Level					
56	**Data appear Lognormal at 5% Significance Level**											
57												
58	**Lognormal Statistics**											
59					Minimum of Logged Data	1.984				Mean of logged Data		2.24
60					Maximum of Logged Data	2.389				SD of logged Data		0.108
61												
62	**Assuming Lognormal Distribution**											
63					95% H-UCL	9.819				90% Chebyshev (MVUE) UCL		10.07
64					95% Chebyshev (MVUE) UCL	10.35				97.5% Chebyshev (MVUE) UCL		10.74
65					99% Chebyshev (MVUE) UCL	11.52						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data appear to follow a Discernible Distribution at 5% Significance Level**											
69												
70	**Nonparametric Distribution Free UCLs**											
71					95% CLT UCL	9.772				95% Jackknife UCL		9.786
72					95% Standard Bootstrap UCL	9.767				95% Bootstrap-t UCL		9.761
73					95% Hall's Bootstrap UCL	9.741				95% Percentile Bootstrap UCL		9.765
74					95% BCA Bootstrap UCL	9.731						
75					90% Chebyshev(Mean, Sd) UCL	10.04				95% Chebyshev(Mean, Sd) UCL		10.32
76					97.5% Chebyshev(Mean, Sd) UCL	10.69				99% Chebyshev(Mean, Sd) UCL		11.44
77												
78	**Suggested UCL to Use**											
79					95% Student's-t UCL	9.786						
80												
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
82	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
83	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
84	For additional insight the user may want to consult a statistician.											
85												
86	**Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be**											
87	**reliable. Chen's and Johnson's methods provide adjustments for positvely skewed data sets.**											

Appendix I4

Little Bear Expansion Property (Section 13), Limited Phase II Environmental Site Assessment Report (January 2017)

Arcadis U.S., Inc.
320 Commerce
Suite 200
Irvine
California 92602
Tel 714 730 9052
Fax 714 730 9345
www.arcadis.com

Ms. Noelani Derrickson
First Solar, Inc.
135 Main Street, 6th Floor
San Francisco, CA 94105

Subject: Little Bear Expansion Property (Section 13), Limited Phase II Environmental Site Assessment Report
Arcadis ref: CO002047.0025; 00002
Date: January 12, 2017

Dear Ms. Derrickson:

Arcadis U.S., Inc. (Arcadis), at the request of First Solar, Inc. (First Solar), has conducted a limited Phase II Environmental Site Assessment (ESA) of the proposed Little Bear Section 13 Expansion property (Site) located in Fresno County, California (Figure 1). It is Arcadis' understanding that First Solar has an option to purchase the property for redevelopment as a solar electricity generating facility.

Site Location and Description

The Little Bear Expansion property is not identified by physical street addresses; it is bounded on the north by West California Avenue, Jensen Avenue to the south, South Ohio Avenue to the west, and South Derrick Avenue (also referred to as State Highway 33) to the east as shown on Figure 1. There is an unpaved access road called Ohio Avenue that runs north-south through the center of the property, and West Adams Avenue (also an unpaved access road) runs east-west through the center of the property. The property is located approximately 2 ½ miles southwest of Mendota, California, in unincorporated Fresno County. The property is located in Section 13, Township 14S, and Range 14E.

The Little Bear Expansion property is approximately 640 acres in size and is broken into four parcels, each parcel is square in size and approximately 160 acres of agricultural land periodically used for row crop farming. The four parcels are relatively flat with a gentle southerly slope. The surrounding properties consist of a Federal prison to the north, agricultural land to the west, and fallow farm land to the east and south.

Previous Environmental Assessment Investigations

First Solar contracted with Arcadis to prepare a Phase I Environmental Site Assessment (ESA) report of the Little Bear Expansion property (Arcadis, 2016). The Phase I ESA included a visual inspection of the property, observations of adjoining properties, reviews of historical documents and facility records, as well as interviews with persons familiar with the

property history. No Recognized Environmental Conditions (RECs) were identified as a result of the Phase I ESA.

Objective and Investigation Scope of Work

Although no RECs were identified at the Little Bear Expansion property during the Arcadis Phase I ESA, it was determined that a limited Phase II ESA was appropriate for the property and its four sub parcels due to the parcels use as agricultural land, the location of a former farm property at the parcel located in the northwest portion of the property, and the likelihood that fertilizer, pesticides, and/or herbicides had been previously applied to the land to aid farming practices.

Arcadis and First Solar developed a scope of work to collect shallow soil samples at the Little Bear Expansion property using a hand augering collection method. At least six soil samples would be collected at each parcel at random depths ranging from 0.5- to 3-feet below ground surface (bgs). Additional soil samples would also be collected at the former farm property to investigate the housekeeping activities of the tenant farmer currently using that facility.

Field Sampling Activities

Arcadis mobilized to the proposed Little Bear Expansion property and collected 26 soil samples on December 14, 2016. Three (3) soil samples were collected from the former farm property in the northwest parcel and five (5) soil samples were collected from the remainder of that parcel. Six (6) soil samples were collected from each of the remaining three parcels that encompass the Little Bear Expansion property, for a total of 26 soil samples collected as part of the Phase II ESA of the Little Bear Expansion property field investigation. Soil sample locations are identified on Figure 2. Sample locations were accessed from the perimeter access roads and Jensen Avenue and the unpaved access roads that separate the four Little Bear properties. Each of the sample locations was accessed on foot and every effort was made to only access the Little Bear properties at those locations where farming equipment had left tracks, so as not to disturb the tilled portions of the four properties. Soil boring locations are identified on Figure 2.

Soil samples were collected using a stainless-steel hand augering device that was dry wiped between boring locations. Samples were collected at various depths across the site from ground surface to a maximum depth of 3 feet bgs. Collected soil samples were placed in new, laboratory-supplied glassware, labelled with identification information including: unique sample name, collection date and time, and requested analyses. The samples were logged on a Chain of Custody document and placed in an ice-chilled cooler for transport to Positive Lab Service (Positive), a California Environmental Laboratory Accreditation Program (ELAP) certified laboratory, located in Los Angeles, California, and submitted on a normal turnaround time for the following analyses:

- California Code of Regulations Title 22 California Assessment Manual-17 (CAM-17) metals by United States Environmental Protection Agency (USEPA) Method 6010B/7471A,
- Organochlorine Pesticides (OCPs) by USEPA Method 8081A,
- Organophosphorous Pesticides (OPPs) by USEPA Method 8141A, and
- Chlorinated Herbicides by USEPA Method 8151A.

Laboratory analytical results were tabulated, reviewed, and compared with the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels Table K-3 Direct Exposure Soil Screening Levels (SSLs), Construction/Trench Worker Exposure Scenario (RWQCB, December 2013). The Positive laboratory analytical report has been included as an attachment to this report.

Soil Sampling Analytical Results

Arcadis reviewed the laboratory analytical data and verified that the laboratory's internal quality assurance/quality controls were within specified limits and that the data sets were valid. Batch samples including Method Blanks, Laboratory Control Samples (LCS), LCS duplicates, Matrix Spikes, and Matrix Spike duplicate analytical results were examined for qualifiers that could potentially bias the analytical results. No qualifiers were reported.

After completing the laboratory QA/QC data review, Arcadis compared analyte concentrations with the RWQCB SSLs for construction/trench worker exposure scenarios, most recently published in December 2013.

Metals Results

Antimony, beryllium, molybdenum, silver, and thallium were not detected at concentrations at or above laboratory practical quantitation limits (PQLs) in any sample collected at the Little Bear Expansion property. Arsenic, barium, chromium, cobalt, lead, molybdenum, nickel, selenium, vanadium, zinc, and mercury were detected in 10 to 26 soil samples across the four parcels of the Little Bear Expansion property, all at concentrations below their respective SSLs. Arsenic was detected in every collected soil sample at concentrations ranging from 5.88 milligrams per kilogram (mg/kg) to 8.03 mg/kg in the soil sample collected at boring location SB-18 in the northwest parcel. None of the arsenic detections exceed the published SSL of 10 mg/kg at the Little Bear Expansion property.

Chernoff, et al, of the State of California Department of Toxic Substances Control (DTSC), prepared a document in 2008 titled *Determination of a Southern California Regional Background Arsenic Concentration in Soil* that established a DTSC regional background concentration for arsenic in that region (including Los Angeles, Orange, Riverside, San Bernardino, and San Diego counties) of 12 mg/kg. This background concentration was

subsequently adopted by DTSC as the remediation goal for current and proposed school site for the Los Angeles Unified School District. The DTSC is currently evaluating available data sets in northern California to derive arsenic screening levels for the State of California.

Summary results of CAM-17 metals analytes in soil are presented in Table 1 as an attachment to this report.

Organochlorine Pesticides Results

OCPs were detected in shallow soil in each of the Little Bear Expansion property parcels. The only OCPs detected in soil at the property were 4,4'-DDD (at one boring location), 4,4'-DDE (at 20 boring locations), 4,4'-DDT (at two boring locations), Endosulfan I (at one boring location), and Toxaphene (at three boring locations). 4,4'-DDD was detected in the soil sample collected in boring location SB-1 at the west end of the storage structure on the former farm property at a concentration of 23.6 micrograms per kilogram (μg/kg). 4,4'-DDE was detected in 20 soil samples at concentrations ranging from 17.7 μg/kg to 116 μg/kg at the former farm property and the detections occurred in each of the 4 parcels encompassing the Little Bear Expansion property. The maximum concentration of 4,4'-DDE was detected at boring location SB-2 at the former farm at the east end of the storage structure. 4,4'-DDT was detected at the former farm property at the east end of the storage structure (SB-2) at a concentration of 34.1 μg/kg and near the former grain silos in a burn area (SB-3) at a concentration of 116 μg/kg. Endosulfan I was only detected at a concentration of 83.5 μg/kg in the soil sample collected at boring location SB-14, located in the parcel in the southwest portion of the Little Bear Expansion property. Toxaphene was detected in three soil samples at concentrations ranging from 122 μg/kg to 192μg/kg (two of the borings [SB-10 and SB-21] were located in the southeast parcel and one boring [SB-23] was located in the northeast parcel). Each of the detected OCPs at the Little Bear Expansion property have an SSL of at least 50,000 μg/kg and none of the detections exceeded those concentrations. Summary results of OCP analytes in soil are presented in Table 2 as an attachment to this report.

Organophosphorous Pesticides Results

OPPs were not detected at concentrations exceeding laboratory PQLs in any of the 26 soil samples collected by Arcadis at the Little Bear Expansion property parcels on December 14, 2016. Summary results of OPP analytes in soil are presented in Table 3 as an attachment to this report.

Herbicides Results

Herbicides were not detected at concentrations exceeding laboratory PQLs in any of the 26 soil samples collected by Arcadis at the Little Bear Expansion property parcels on

December 14, 2016. Summary results of herbicide analytes in soil are presented in Table 4 as an attachment to this report.

Conclusions

No CAM-17 metals, OCPs, OPPs, or chlorinated herbicide analytes exceed respective SSLs in a construction/trench worker scenario in the 26 soil samples collected from 26 boring locations at the Little Bear Expansion property.

Sincerely,

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Att.
- Table 1: Summary Metals Analytical Results
- Table 2: Summary Organochlorine Pesticides Analytical Results
- Table 3: Summary Organophosphorous Pesticides Analytical Results
- Table 4: Summary Herbicides Analytical Results
- Figure 1: Site Location Map
- Figure 2: Site Plan and Boring Location Map
- Positive Lab Service Report No. 1612156

Tables

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Table 1 - Summary CAM 17 Metals Analytical Results by USEPA Method 6010B/7471A

First Solar - Little Bear Expansion Property

Mendota, Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
Direct Exposure Soil Screening Levels*			**120**	**10**	**61,000**	**180**	**110**	**460,000**	**490**	**12,000**	**320**	**1,500**	**6,100**	**1,500**	**1,500**	**3.1**	**1,500**	**93,000**	**27**
Farm Property	SB-1-0.5	0.5	<2.00	**6.59**	**221**	<1.00	<1.00	**32.7**	**6.87**	**17.5**	**11.5**	<1.00	**42.6**	<2.00	<1.00	<2.00	**25.2**	**68.3**	**3.29**
	SB-2-0.5	0.5	<2.00	**6.76**	**222**	<1.00	<1.00	**34.4**	**6.79**	**17.2**	**7.88**	<1.00	**43.6**	<2.00	<1.00	<2.00	**25.2**	**56.7**	**0.118**
	SB-3-1.0	1.0	<2.00	**6.82**	**267**	<1.00	<1.00	**39.9**	**8.14**	**25.6**	**10.2**	<1.00	**47.0**	**2.17**	<1.00	<2.00	**33.9**	**72.7**	<0.100
Little Bear Expansion Property	SB-4-2.0	2.0	<2.00	**6.89**	**401**	<1.00	**1.17**	**44.1**	**10.7**	**34.5**	**10.0**	<1.00	**59.3**	**2.37**	<1.00	<2.00	**42.8**	**77.8**	<0.100
	SB-5-1.5	1.5	<2.00	**6.36**	**273**	<1.00	**1.06**	**45.9**	**10.0**	**29.6**	**9.29**	<1.00	**62.4**	<2.00	<1.00	<2.00	**41.3**	**70.3**	<0.100
	SB-6-1.0	1.0	<2.00	**6.60**	**270**	<1.00	**1.01**	**44.2**	**9.26**	**27.7**	**8.97**	<1.00	**57.2**	**2.21**	<1.00	<2.00	**39.8**	**68.0**	<0.100
	SB-7-0.5	0.5	<2.00	**7.31**	**283**	<1.00	**1.12**	**49.2**	**10.3**	**31.2**	**9.87**	<1.00	**65.6**	**2.09**	<1.00	<2.00	**44.3**	**73.9**	<0.100
	SB-8-3.0	3.0	<2.00	**6.41**	**227**	<1.00	**1.01**	**50.2**	**10.1**	**27.7**	**8.03**	<1.00	**65.4**	**2.47**	<1.00	<2.00	**40.1**	**66.6**	<0.100
	SB-9-3.0	3.0	<2.00	**5.89**	**256**	<1.00	**1.02**	**51.5**	**9.84**	**26.6**	**8.13**	<1.00	**66.7**	**2.79**	<1.00	<2.00	**38.7**	**65.3**	<0.100
	SB-10-1.0	1.0	<2.00	**6.83**	**325**	<1.00	**1.13**	**49.9**	**10.1**	**30.2**	**9.89**	<1.00	**61.2**	**3.87**	<1.00	<2.00	**45.6**	**74.3**	**0.243**
	SB-11-2.0	2.0	<2.00	**7.02**	**296**	<1.00	**1.11**	**50.3**	**9.94**	**28.9**	**9.10**	<1.00	**61.3**	**2.94**	<1.00	<2.00	**43.7**	**69.2**	<0.100
	SB-12-0.5	0.5	<2.00	**7.31**	**319**	<1.00	**1.18**	**46.5**	**10.4**	**33.0**	**10.1**	<1.00	**57.9**	**2.04**	<1.00	<2.00	**46.5**	**77.7**	<0.100
	SB-13-3.0	3.0	<2.00	**6.76**	**265**	<1.00	**1.09**	**39.6**	**9.66**	**31.2**	**9.35**	<1.00	**54.0**	<2.00	<1.00	<2.00	**41.2**	**74.1**	<0.100
	SB-14-3.0	3.0	<2.00	**7.44**	**304**	<1.00	**1.26**	**49.6**	**11.3**	**36.6**	**10.8**	<1.00	**61.6**	<2.00	<1.00	<2.00	**49.5**	**85.8**	**0.128**
	SB-15-0.5	0.5	<2.00	**7.54**	**311**	<1.00	**1.25**	**47.0**	**10.7**	**35.1**	**10.8**	<1.00	**57.8**	**2.56**	<1.00	<2.00	**48.8**	**82.7**	<0.100
	SB-16-1.0	1.0	<2.00	**6.71**	**300**	<1.00	**1.09**	**47.6**	**9.94**	**30.6**	**9.40**	<1.00	**60.7**	**2.84**	<1.00	<2.00	**41.9**	**72.2**	<0.100
	SB-17-1.5	1.5	<2.00	**6.51**	**295**	<1.00	**1.03**	**46.2**	**9.47**	**27.8**	**8.82**	<1.00	**59.8**	**2.07**	<1.00	<2.00	**40.8**	**67.4**	<0.100
	SB-18-1.0	1.0	<2.00	**8.03**	**304**	<1.00	**1.14**	**48.4**	**10.3**	**31.9**	**10.4**	<1.00	**62.8**	**3.00**	<1.00	<2.00	**45.2**	**77.2**	<0.100
	SB-19-0.5	0.5	<2.00	**7.05**	**331**	<1.00	**1.19**	**48.8**	**10.3**	**31.7**	**10.2**	<1.00	**58.6**	**2.26**	<1.00	<2.00	**48.3**	**77.0**	**0.111**
	SB-20-1.5	1.5	<2.00	**6.54**	**305**	<1.00	**1.07**	**45.7**	**9.68**	**29.2**	**9.11**	<1.00	**57.0**	<2.00	<1.00	<2.00	**42.6**	**72.1**	**0.128**
	SB-21-1.5	1.5	<2.00	**6.62**	**275**	<1.00	**1.13**	**47.7**	**9.62**	**30.0**	**9.64**	<1.00	**53.0**	**2.24**	<1.00	<2.00	**48.5**	**74.6**	<0.100
	SB-22-0.5	0.5	<2.00	**6.91**	**319**	<1.00	**1.15**	**52.5**	**10.3**	**29.7**	**10.0**	<1.00	**64.6**	**2.43**	<1.00	<2.00	**49.3**	**72.9**	**0.106**
	SB-23-1.0	1.0	<2.00	**6.53**	**310**	<1.00	<1.00	**52.2**	**8.69**	**22.5**	**7.79**	<1.00	**62.6**	**2.80**	<1.00	<2.00	**39.4**	**57.6**	<0.100
	SB-24-2.0	2.0	<2.00	**6.43**	**286**	<1.00	**1.13**	**42.8**	**9.61**	**32.3**	**9.45**	<1.00	**52.6**	**3.47**	<1.00	<2.00	**43.6**	**74.2**	**0.119**
	SB-25-0.5	0.5	<2.00	**7.51**	**356**	<1.00	**1.17**	**48.2**	**10.2**	**32.2**	**9.80**	<1.00	**58.5**	<2.00	<1.00	<2.00	**49.1**	**77.9**	**0.108**
	SB-26-1.0	1.0	<2.00	**5.88**	**194**	<1.00	**1.02**	**36.8**	**8.53**	**27.7**	**8.95**	<1.00	**44.7**	**3.36**	<1.00	<2.00	**39.1**	**69.0**	**0.123**

Notes

CAM - California Assessment Manual
USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013) (expressed in mg/kg)
<2.5 - not detected at or above the indicated laboratory practical quantitation limit
Bold - analyte detected at or above laboratory reporting limits

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Table 2 - Summary Organochlorine Pesticides Analytical Results by USEPA Method 8081A

First Solar - Little Bear Expansion Property

Mendota, Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	Aldrin (µg/kg)	alpha-BHC (µg/kg)	beta-BHC (µg/kg)	delta-BHC (µg/kg)	gamma-BHC (Lindane) (µg/kg)	alpha-Chlordane (µg/kg)	gamma-Chlordane (µg/kg)	4,4'-DDD (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDT (µg/kg)	Dieldrin (µg/kg)	Endosulfan I (µg/kg)	Endosulfan II (µg/kg)	Endosulfan sulfate (µg/kg)	Endrin (µg/kg)	Technical Chlordane (µg/kg)	Endrin aldehyde (µg/kg)	Endrin ketone (µg/kg)	Heptachlor (µg/kg)	Heptachlor epoxide (µg/kg)	Methoxychlor (µg/kg)	Toxaphene (µg/kg)
Direct Exposure Soil Screening Levels*			**870**	**--**	**--**	**--**	**--**	**12,000**	**12,000**	**70,000**	**50,000**	**50,000**	**930**	**1,300,000**	**1,300,000**	**1,300,000**	**64,000**	**12,000**	**64,000**	**64,000**	**3,600**	**1,600**	**1,100,000**	**12,000**
Farm Property	SB-1-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**34.1**	**22.9**	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-2-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**23.6**	**116**	**622**	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-3-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
Little Bear Expansion Property	SB-4-2.0	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-5-1.5	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-6-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**21.7**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-7-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**45.8**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-8-3.0	3.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-9-3.0	3.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-10-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**69.3**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	**141**
	SB-11-2.0	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**28.0**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-12-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**51.4**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-13-3.0	3.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<16.0	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-14-3.0	3.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**17.7**	<16.0	<8.00	**83.5**	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-15-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**23.7**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-16-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**42.6**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-17-1.5	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**36.7**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-18-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**45.8**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-19-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**40.2**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-20-1.5	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**37.9**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-21-1.5	1.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**71.8**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	**122**
	SB-22-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**55.0**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-23-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**97.6**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	**192**
	SB-24-2.0	2.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**31.8**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-25-0.5	0.5	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**29.1**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120
	SB-26-1.0	1.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	**26.8**	<16.0	<8.00	<16.00	<8.00	<8.00	<8.00	<40.0	<8.00	<24.0	<8.00	<8.00	<40.0	<120

Notes

USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
µg/kg - micrograms per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013) (expressed in µg/kg)
-- - no published screening level
<8.00 - not detected at or above the indicated laboratory practical quantitation limit
Bold - analyte detected at or above laboratory reporting limits

ARCADIS Design & Consultancy for natural and built assets

Table 3 - Summary Organophosphourous Pesticides Analytical Results by USEPA Method 8141A

First Solar - Little Bear Expansion Property

Mendota, Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	Azinphos Methyl (mg/kg)	Bolstar (Sulprofos) (mg/kg)	Chloropyrifos (mg/kg)	Coumaphos (mg/kg)	Demeton-O (mg/kg)	Demeton-S (mg/kg)	Diazinon (mg/kg)	Dichlorvos (mg/kg)	Disulfoton (mg/kg)	Ethoprop (mg/kg)	Fensulfothion (mg/kg)	Fenthion (mg/kg)	Merphos (mg/kg)	Methyl Parathion (mg/kg)	Mevinphos (mg/kg)	Naled (mg/kg)	Phorate (mg/kg)	Ronnel (mg/kg)	Tetrachlorvinphos (Stirophos) (mg/kg)	Tokulthion (Prothiofos) (mg/kg)	Trichloronate (mg/kg)
Direct Exposure Soil Screening Levels*			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Farm Property	SB-1-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-2-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-3-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
Little Bear Expansion Property	SB-4-2.0	2.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-5-1.5	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-6-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-7-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-8-3.0	3.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-9-3.0	3.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-10-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-11-2.0	2.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-12-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-13-3.0	3.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-14-3.0	3.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-15-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-16-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-17-1.5	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-18-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-19-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-20-1.5	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-21-1.5	1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-22-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-23-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-24-2.0	2.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-25-0.5	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
	SB-26-1.0	1.0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05

Notes

USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013) (expressed in mg/kg)
-- - no published screening level
<0.05 - not detected at or above the indicated laboratory practical quantitation limit
Bold - analyte detected at or above laboratory reporting limits

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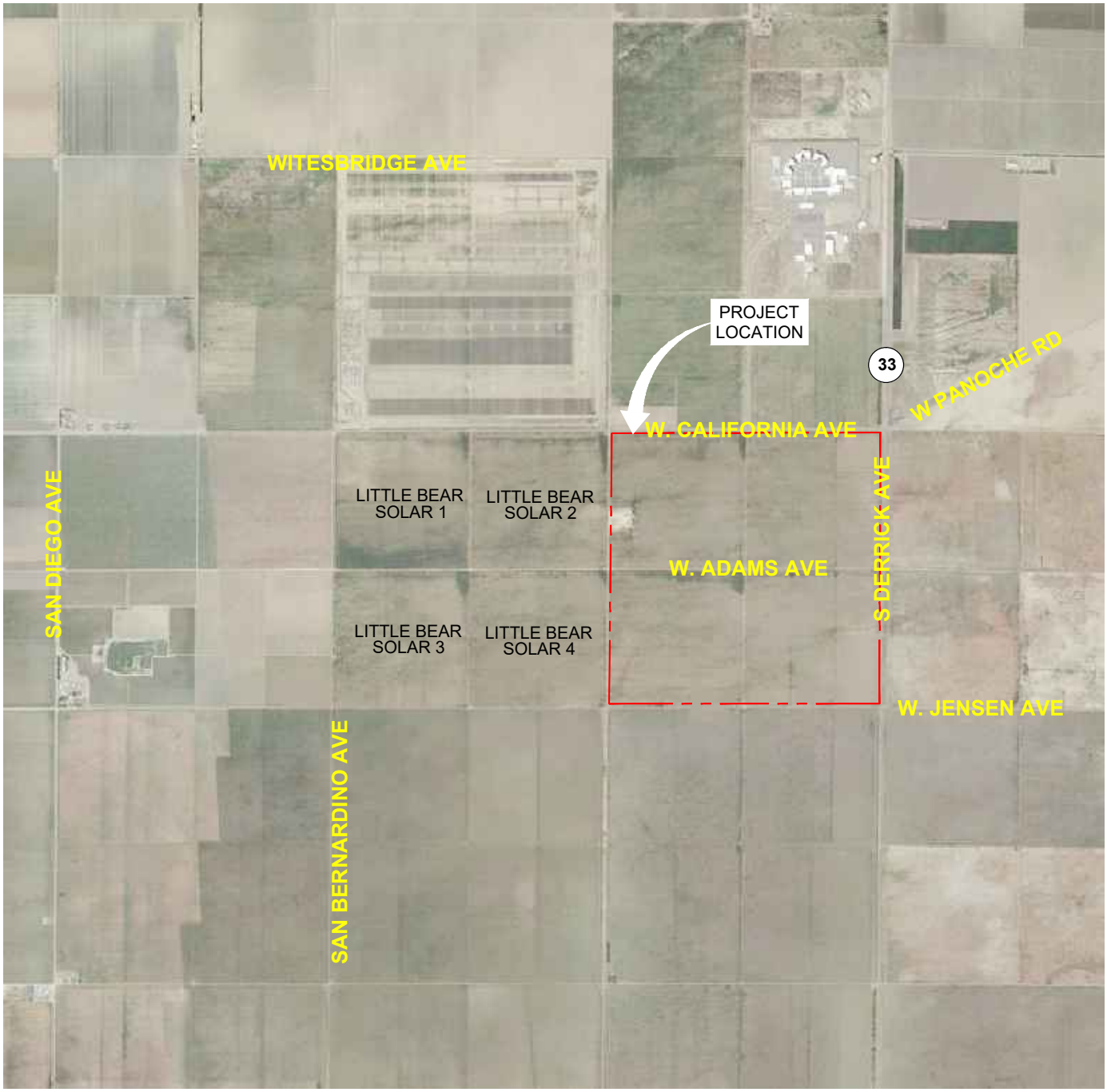
Table 4 - Summary Herbicides Analytical Results by USEPA Method 8151A
First Solar - Little Bear Expansion Property
Mendota, Fresno County, CA

Location	Sample ID	Sample Depth (ft bgs)	2,4,5-T (mg/kg)	2,4,5-TP (Silvex) (mg/kg)	2,4-D (mg/kg)	2,4-DB (mg/kg)	Dalapon (Dichloracetic Acid) (mg/kg)	Dicamba (mg/kg)	Dichloroprop (mg/kg)	Dinoseb (DNBP) (mg/kg)	MCPA (mg/kg)	MCPP (mg/kg)
Direct Exposure Soil Screening Levels*			--	--	--	--	--	--	--	--	--	--
Farm Property	SB-1-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-2-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-3-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
Little Bear Expansion Property	SB-4-2.0	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-5-1.5	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-6-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-7-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-8-3.0	3.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-9-3.0	3.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-10-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-11-2.0	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-12-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-13-3.0	3.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-14-3.0	3.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-15-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-16-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-17-1.5	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-18-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-19-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-20-1.5	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-21-1.5	1.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-22-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-23-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-24-2.0	2.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-25-0.5	0.5	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0
	SB-26-1.0	1.0	<0.020	<0.020	<0.200	<0.200	<0.500	<0.020	<0.200	<0.100	<20.0	<20.0

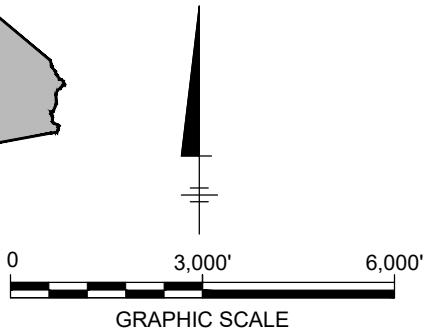
Notes:

USEPA - United States Environmental Protection Agency
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
* - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, Direct Exposure Screening Levels, Construction/Trench Worker Exposure Scenario (December 2013) (expressed in mg/kg)
-- - no published screening level
<0.020 - not detected at or above the indicated laboratory practical quantitation limit
Bold - analyte detected at or above laboratory reporting limits

Figures



MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"



FIRST SOLAR
LITTLE BEAR EXPANSION PROPERTY
MENDOTA, CALIFORNIA
PHASE II ESA

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: IRVINE DIV/GROUP: ENVCAD DB: E. MURESAN PM: J. HOLTZ
G:\ENVCAD\Irvine\ACT\CO00204\70025\00002\CO002047.0025.00002 Little Bear Expansion - Phase II.dwg LAYOUT: 1 SAVED: 1/5/2017 9:42 AM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2017 9:42 AM BY: MURESAN, ELENA

MAP SOURCE: Google Earth Pro 2016, 36,71272726, -120.396403

LEGEND:

PROPERTY BOUNDARY

PG & E NATURAL GAS LINE RIGHT OF WAY EASEMENT

SB-25-0.5 ● SOIL BORING LOCATION

0 800' 1,600'

GRAPHIC SCALE

FIRST SOLAR
LITTLE BEAR EXPANSION PROPERTY
MENDOTA, CALIFORNIA
PHASE II ESA

SITE PLAN AND BORING LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE **2**

CITY:COSTA MESA DIV/GROUP:ENVCAD DB:ENVCAD
G:\ENVCAD\Irvine\ACT\CO0020470\0025\0002\CO002047.0025.00002 Little Bear Expansion - Phase II.dwg LAYOUT: 2 SAVED: 1/5/2017 9:42 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2017 9:43 AM BY: MURESAN, ELENA

ATTACHMENT A

Laboratory Analytical Report

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

December 27, 2016

Mr. Lawrence Browne
ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Report No.: 1612156
Project Name: Little Bear Expansion CO002047.0025

Dear Mr. Lawrence Browne,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on December 16, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-1-0.5 Soil (1612156-01) Sampled:12/14/16 09:29 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**34.1**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	**22.9**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*106 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*130 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.59**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**221**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**32.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**6.87**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**17.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**11.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**42.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**25.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**68.3**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**3.29**		5	mg/kg	0.500	EPA 7471A	EPA 7471A	12/19/16	12/20/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-1-0.5 Soil (1612156-01) Sampled:12/14/16 09:29 Received:12/16/16 13:25

EPA 8151A Herbicides	See Attachment										

Sample ID: SB-2-0.5 Soil (1612156-02) Sampled:12/14/16 09:44 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	**23.6**		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**116**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	**622**		5	ug/kg	80.0	EPA 3546	EPA 8081A	12/19/16	12/21/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*102 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*101 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.76**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**222**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**34.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**6.79**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**17.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**7.88**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**43.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**25.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**56.7**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.118**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-2-0.5 Soil (1612156-02) Sampled:12/14/16 09:44 Received:12/16/16 13:25

EPA 8141A Organo Pesticides	See Attachment
EPA 8151A Herbicides	See Attachment

Sample ID: SB-3-1.0 Soil (1612156-03) Sampled:12/14/16 10:00 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*89.9 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*112 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.82**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**267**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**39.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**8.14**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**25.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**10.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**47.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.17**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**33.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**72.7**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch

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File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-3-1.0 Soil (1612156-03) Sampled:12/14/16 10:00 Received:12/16/16 13:25

Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-4-2.0 Soil (1612156-04) Sampled:12/14/16 10:30 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*108 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*112 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.89**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**401**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.17**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**44.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**34.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**10.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**59.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.37**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**42.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-4-2.0 Soil (1612156-04) Sampled:12/14/16 10:30 Received:12/16/16 13:25

Zinc	**77.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-5-1.5 Soil (1612156-05) Sampled:12/14/16 10:45 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*116 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*158 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.36**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**273**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.06**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**45.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**29.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**9.29**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**62.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-5-1.5 Soil (1612156-05) Sampled:12/14/16 10:45 Received:12/16/16 13:25

Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**41.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**70.3**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-6-1.0 Soil (1612156-06) Sampled:12/14/16 11:05 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**21.7**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*93.8 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*192 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.60**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**270**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.01**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**44.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**9.26**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**27.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**8.97**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**57.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

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Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-6-1.0 Soil (1612156-06) Sampled:12/14/16 11:05 Received:12/16/16 13:25

Selenium	**2.21**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**39.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**68.0**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-7-0.5 Soil (1612156-07) Sampled:12/14/16 11:22 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**45.8**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*95.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*152 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**7.31**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**283**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.12**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**49.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**31.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**9.87**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-7-0.5 Soil (1612156-07) Sampled:12/14/16 11:22 Received:12/16/16 13:25

Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**65.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.09**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**44.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**73.9**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-8-3.0 Soil (1612156-08) Sampled:12/14/16 12:21 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*112 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*107 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.41**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**227**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.01**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**50.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-8-3.0 Soil (1612156-08) Sampled:12/14/16 12:21 Received:12/16/16 13:25

Copper	**27.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**8.03**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**65.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.47**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**40.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**66.6**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.101**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-9-3.0 Soil (1612156-09) Sampled:12/14/16 12:39 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*123 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*136 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**5.89**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**256**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.02**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
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File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-9-3.0 Soil (1612156-09) Sampled:12/14/16 12:39 Received:12/16/16 13:25

Chromium	**51.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**9.84**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**26.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**8.13**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**66.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.79**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**38.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**65.3**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-10-1.0 Soil (1612156-10) Sampled:12/14/16 12:53 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**69.3**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/22/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	**141**		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/22/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*93.9 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*126 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.83**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**325**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

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PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-10-1.0 Soil (1612156-10) Sampled:12/14/16 12:53 Received:12/16/16 13:25

Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.13**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**49.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**30.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**9.89**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**61.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**3.87**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**45.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**74.3**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.243**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-11-2.0 Soil (1612156-11) Sampled:12/14/16 13:08 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**28.0**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*94.0 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*125 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-11-2.0 Soil (1612156-11) Sampled:12/14/16 13:08 Received:12/16/16 13:25

Arsenic	**7.02**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**296**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.11**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**50.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**9.94**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**28.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**9.10**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**61.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.94**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**43.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**69.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-12-0.5 Soil (1612156-12) Sampled:12/14/16 13:20 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**51.4**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*90.8 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*142 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

POSITIVE LAB SERVICE

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-12-0.5 Soil (1612156-12) Sampled:12/14/16 13:20 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**7.31**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**319**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.18**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**46.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**33.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**10.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**57.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.04**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**46.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**77.7**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-13-3.0 Soil (1612156-13) Sampled:12/14/16 13:36 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDE	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4'-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

POSITIVE LAB SERVICE

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File #:72348
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PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-13-3.0 Soil (1612156-13) Sampled:12/14/16 13:36 Received:12/16/16 13:25

Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*128 %*	*DO*		*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*128 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.76**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**265**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.09**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**39.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**9.66**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**31.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**9.35**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**54.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**41.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**74.1**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-14-3.0 Soil (1612156-14) Sampled:12/14/16 14:00 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**17.7**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	**83.5**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-14-3.0 Soil (1612156-14) Sampled:12/14/16 14:00 Received:12/16/16 13:25

Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*118 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*150 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**7.44**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**304**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.26**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**49.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**11.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**36.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**10.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**61.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**49.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**85.8**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.128**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-15-0.5 Soil (1612156-15) Sampled:12/14/16 14:20 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**23.7**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

POSITIVE LAB SERVICE

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(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-15-0.5 Soil (1612156-15) Sampled:12/14/16 14:20 Received:12/16/16 13:25

Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*107 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*180 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**7.54**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**311**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.25**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**47.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**35.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**10.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**57.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.56**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**48.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**82.7**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-16-1.0 Soil (1612156-16) Sampled:12/14/16 14:35 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**42.6**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-16-1.0 Soil (1612156-16) Sampled:12/14/16 14:35 Received:12/16/16 13:25

Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*92.8 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*125 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.71**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**300**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.09**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**47.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**9.94**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**30.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**9.40**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**60.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.84**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**41.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**72.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-17-1.5 Soil (1612156-17) Sampled:12/14/16 14:47 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**36.7**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

POSITIVE LAB SERVICE

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-17-1.5 Soil (1612156-17) Sampled:12/14/16 14:47 Received:12/16/16 13:25

Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*123 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*137 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**6.51**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**295**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.03**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**46.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**9.47**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**27.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**8.82**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**59.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**2.07**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**40.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**67.4**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-18-1.0 Soil (1612156-18) Sampled:12/14/16 14:56 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**45.8**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

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Certificate of Analysis

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Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-18-1.0 Soil (1612156-18) Sampled:12/14/16 14:56 Received:12/16/16 13:25

Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*92.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*122 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Arsenic	**8.03**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Barium	**304**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cadmium	**1.14**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Chromium	**48.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Cobalt	**10.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Copper	**31.9**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Lead	**10.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Nickel	**62.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Selenium	**3.00**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Vanadium	**45.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944
Zinc	**77.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/19/16	12/21/16	CG	BL61944

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/19/16	12/19/16	cg	BL61942

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-19-0.5 Soil (1612156-19) Sampled:12/14/16 15:10 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDE	**40.2**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

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Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-19-0.5 Soil (1612156-19) Sampled:12/14/16 15:10 Received:12/16/16 13:25

Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler	*89.7 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*120 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**7.05**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**331**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.19**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**48.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**10.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**31.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**10.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**58.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	**2.26**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**48.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**77.0**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.111**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-20-1.5 Soil (1612156-20) Sampled:12/14/16 15:25 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220

POSITIVE LAB SERVICE

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320 Commerce Street, Suite 200
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Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-20-1.5 Soil (1612156-20) Sampled:12/14/16 15:25 Received:12/16/16 13:25

4,4´-DDE	**37.9**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/19/16	12/20/16	ai	BL62220
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*123 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*
Surrogate: Decachlorobiphenyl	*130 %*			*49-133*		*EPA 3546*	*EPA 8081A*	*12/19/16*	*12/20/16*	*ai*	*BL62220*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**6.54**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**305**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.07**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**45.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**9.68**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**29.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**9.11**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**57.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**42.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**72.1**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.128**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-21-1.5 Soil (1612156-21) Sampled:12/14/16 15:52 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-21-1.5 Soil (1612156-21) Sampled:12/14/16 15:52 Received:12/16/16 13:25

gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDE	**71.8**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Toxaphene	**122**		1	ug/kg	120	EPA 3546	EPA 8081A	12/20/16	12/22/16	ai	BL62221
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*94.2 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Surrogate: Decachlorobiphenyl	*172 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**6.62**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**275**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.13**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**47.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**9.62**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**30.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**9.64**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**53.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	**2.24**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**48.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**74.6**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-22-0.5 Soil (1612156-22) Sampled:12/14/16 16:04 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-22-0.5 Soil (1612156-22) Sampled:12/14/16 16:04 Received:12/16/16 13:25

gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDE	**55.0**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*111 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Surrogate: Decachlorobiphenyl	*149 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**6.91**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**319**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.15**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**52.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**10.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**29.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**10.0**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**64.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	**2.43**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**49.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**72.9**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.106**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-23-1.0 Soil (1612156-23) Sampled:12/14/16 16:18 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221

POSITIVE LAB SERVICE

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Certificate of Analysis

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ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-23-1.0 Soil (1612156-23) Sampled:12/14/16 16:18 Received:12/16/16 13:25

beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDE	**97.6**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Toxaphene	**192**		1	ug/kg	120	EPA 3546	EPA 8081A	12/20/16	12/22/16	ai	BL62221
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*114 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Surrogate: Decachlorobiphenyl	*145 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**6.53**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**310**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**52.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**8.69**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**22.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**7.79**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**62.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	**2.80**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**39.4**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**57.6**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

Sample ID: SB-24-2.0 Soil (1612156-24) Sampled:12/14/16 16:33 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-24-2.0 Soil (1612156-24) Sampled:12/14/16 16:33 Received:12/16/16 13:25

Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDE	**31.8**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*112 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Surrogate: Decachlorobiphenyl	*141 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**6.43**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**286**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.13**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**42.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**9.61**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**32.3**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**9.45**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**52.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	**3.47**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**43.6**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**74.2**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.119**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-25-0.5 Soil (1612156-25) Sampled:12/14/16 16:42 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDE	**29.1**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*94.4 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Surrogate: Decachlorobiphenyl	*186 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**7.51**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**356**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.17**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**48.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**10.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**32.2**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**9.80**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**58.5**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**49.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**77.9**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.108**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										

POSITIVE LAB SERVICE

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Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-25-0.5 Soil (1612156-25) Sampled:12/14/16 16:42 Received:12/16/16 13:25

EPA 8151A Herbicides	See Attachment										

Sample ID: SB-26-1.0 Soil (1612156-26) Sampled:12/14/16 17:00 Received:12/16/16 13:25

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDE	**26.8**		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
4,4´-DDT	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	12/20/16	12/21/16	ai	BL62221
Surrogate: 2,4,5,6 Tetrachloro-m-xyler.	*103 %*			*55-126*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*
Surrogate: Decachlorobiphenyl	*144 %*	*DO*		*49-133*		*EPA 3546*	*EPA 8081A*	*12/20/16*	*12/21/16*	*ai*	*BL62221*

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Arsenic	**5.88**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Barium	**194**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cadmium	**1.02**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Chromium	**36.8**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Cobalt	**8.53**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Copper	**27.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Lead	**8.95**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Nickel	**44.7**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Selenium	**3.36**		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Thallium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Vanadium	**39.1**		1	mg/kg	1.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152
Zinc	**69.0**		1	mg/kg	5.00	EPA 3050B	EPA 6010B	12/20/16	12/21/16	CG	BL62152

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	**0.123**		1	mg/kg	0.100	EPA 7471A	EPA 7471A	12/20/16	12/20/16	cg	BL62160

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781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Sample ID: SB-26-1.0 Soil (1612156-26) Sampled:12/14/16 17:00 Received:12/16/16 13:25

EPA 8141A Organo Pesticides	See Attachment
EPA 8151A Herbicides	See Attachment

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Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL62220 - EPA 3546										
Blank Prepared: 12/19/16 Analyzed: 12/20/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4´-DDD	ND	2.00	ug/kg							
4,4´-DDE	ND	4.00	ug/kg							
4,4´-DDT	ND	4.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*7.24*		ug/kg	*6.667*		*109*	*55-126*			
Surrogate: Decachlorobiphenyl	*7.41*		ug/kg	*6.667*		*111*	*49-133*			
LCS Prepared: 12/19/16 Analyzed: 12/20/16										
Aldrin	10.1	2.00	ug/kg	13.33		75.7	56-130			
gamma-BHC (Lindane)	9.52	2.00	ug/kg	13.33		71.4	56-133			
4,4´-DDT	8.92	4.00	ug/kg	13.33		66.9	56-133			
Dieldrin	10.6	2.00	ug/kg	13.33		79.4	62-119			
Endrin	10.5	2.00	ug/kg	13.33		78.9	59-127			
Heptachlor	10.3	2.00	ug/kg	13.33		77.2	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*6.81*		ug/kg	*6.667*		*102*	*54-108*			
Surrogate: Decachlorobiphenyl	*7.11*		ug/kg	*6.667*		*107*	*54-127*			
Matrix Spike Source: 1612156-05 Prepared: 12/19/16 Analyzed: 12/21/16										
Aldrin	12.9	2.00	ug/kg	13.33	ND	96.8	39-124			
gamma-BHC (Lindane)	12.0	2.00	ug/kg	13.33	ND	89.8	44-120			
4,4´-DDT	25.4	4.00	ug/kg	33.33	ND	76.2	48-150			
Dieldrin	33.5	2.00	ug/kg	33.33	ND	100	48-144			
Endrin	33.7	2.00	ug/kg	33.33	ND	101	54-149			

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Submitted: 12/16/16
PLS Report No.: 1612156

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL62220 - EPA 3546										
Heptachlor	10.8	2.00	ug/kg	13.33	ND	80.9	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*7.91*		ug/kg	*6.667*		*119*	*57-126*			
Surrogate: Decachlorobiphenyl	*11.1*		ug/kg	*6.667*		*166*	*43-136*			*DO*
Matrix Spike Dup Source: 1612156-05 Prepared: 12/19/16 Analyzed: 12/21/16										
Aldrin	11.4	2.00	ug/kg	13.33	ND	85.7	39-124	12.1	30	
gamma-BHC (Lindane)	10.9	2.00	ug/kg	13.33	ND	81.4	44-120	9.84	30	
4,4´-DDT	18.8	4.00	ug/kg	33.33	ND	56.3	48-150	30.0	30	
Dieldrin	30.6	2.00	ug/kg	33.33	ND	91.7	48-144	9.17	30	
Endrin	28.5	2.00	ug/kg	33.33	ND	85.6	54-149	16.5	30	
Heptachlor	9.62	2.00	ug/kg	13.33	ND	72.2	46-135	11.4	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*7.88*		ug/kg	*6.667*		*118*	*57-126*			
Surrogate: Decachlorobiphenyl	*9.88*		ug/kg	*6.667*		*148*	*43-136*			*DO*
Batch BL62221 - EPA 3546										
Blank Prepared: 12/20/16 Analyzed: 12/21/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4´-DDD	ND	2.00	ug/kg							
4,4´-DDE	ND	4.00	ug/kg							
4,4´-DDT	ND	4.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*6.76*		ug/kg	*6.667*		*101*	*55-126*			
Surrogate: Decachlorobiphenyl	*9.51*		ug/kg	*6.667*		*143*	*49-133*			
LCS Prepared: 12/20/16 Analyzed: 12/21/16										
Aldrin	12.8	2.00	ug/kg	13.33		96.0	56-130			

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ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL62221 - EPA 3546										
gamma-BHC (Lindane)	10.8	2.00	ug/kg	13.33		81.0	56-133			
4,4´-DDT	13.2	4.00	ug/kg	13.33		98.9	56-133			
Dieldrin	14.3	2.00	ug/kg	13.33		107	62-119			
Endrin	14.8	2.00	ug/kg	13.33		111	59-127			
Heptachlor	12.9	2.00	ug/kg	13.33		96.7	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*6.47*		ug/kg	*6.667*		*97.0*	*54-108*			
Surrogate: Decachlorobiphenyl	*8.60*		ug/kg	*6.667*		*129*	*54-127*			
Matrix Spike Source: 1612156-23 Prepared: 12/20/16 Analyzed: 12/21/16										
Aldrin	13.6	2.00	ug/kg	13.33	ND	102	39-124			
gamma-BHC (Lindane)	10.5	2.00	ug/kg	13.33	ND	79.0	44-120			
4,4´-DDT	37.0	4.00	ug/kg	33.33	11.5	76.4	48-150			
Dieldrin	32.3	2.00	ug/kg	33.33	ND	96.9	48-144			
Endrin	35.4	2.00	ug/kg	33.33	ND	106	54-149			
Heptachlor	9.51	2.00	ug/kg	13.33	ND	71.3	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*8.23*		ug/kg	*6.667*		*123*	*57-126*			
Surrogate: Decachlorobiphenyl	*9.59*		ug/kg	*6.667*		*144*	*43-136*			*DO*
Matrix Spike Dup Source: 1612156-23 Prepared: 12/20/16 Analyzed: 12/21/16										
Aldrin	13.3	2.00	ug/kg	13.33	ND	99.7	39-124	2.10	30	
gamma-BHC (Lindane)	10.9	2.00	ug/kg	13.33	ND	82.0	44-120	3.71	30	
4,4´-DDT	32.8	4.00	ug/kg	33.33	11.5	63.7	48-150	18.0	30	
Dieldrin	33.7	2.00	ug/kg	33.33	ND	101	48-144	4.34	30	
Endrin	30.2	2.00	ug/kg	33.33	ND	90.8	54-149	15.8	30	
Heptachlor	8.85	2.00	ug/kg	13.33	ND	66.4	46-135	7.18	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	*7.16*		ug/kg	*6.667*		*107*	*57-126*			
Surrogate: Decachlorobiphenyl	*8.50*		ug/kg	*6.667*		*127*	*43-136*			
Batch BL61944 - EPA 3050B										
Blank Prepared & Analyzed: 12/19/16										
Antimony	ND	2.00	mg/kg							
Arsenic	ND	2.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	ND	1.00	mg/kg							
Nickel	ND	1.00	mg/kg							
Selenium	ND	2.00	mg/kg							

POSITIVE LAB SERVICE

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Certificate of Analysis

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Irvine, CA 92602

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL61944 - EPA 3050B										
Silver	ND	1.00	mg/kg							
Thallium	ND	2.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared & Analyzed: 12/19/16										
Antimony	48.4	2.00	mg/kg	49.90		97.0	60-140			
Arsenic	48.3	2.00	mg/kg	49.57		97.4	80-120			
Barium	205	1.00	mg/kg	200.0		102	80-120			
Beryllium	4.85	1.00	mg/kg	5.010		96.9	80-120			
Cadmium	5.17	1.00	mg/kg	5.010		103	80-120			
Chromium	20.3	1.00	mg/kg	19.95		102	80-120			
Cobalt	52.8	1.00	mg/kg	49.88		106	80-120			
Copper	25.8	1.00	mg/kg	25.08		103	80-120			
Lead	53.8	1.00	mg/kg	50.10		107	80-120			
Molybdenum	47.8	1.00	mg/kg	49.83		95.9	80-120			
Nickel	54.1	1.00	mg/kg	49.82		109	80-120			
Selenium	47.6	2.00	mg/kg	50.10		94.9	80-120			
Silver	5.06	1.00	mg/kg	5.000		101	80-120			
Thallium	52.0	2.00	mg/kg	49.90		104	80-120			
Vanadium	45.7	1.00	mg/kg	49.82		91.8	80-120			
Zinc	55.4	5.00	mg/kg	49.92		111	80-120			
Matrix Spike Source: 1612148-01 Prepared & Analyzed: 12/19/16										
Antimony	43.6	2.00	mg/kg	49.90	0.611	86.1	60-140			
Arsenic	45.9	2.00	mg/kg	49.57	ND	92.6	75-125			
Barium	291	1.00	mg/kg	200.0	112	89.7	75-125			
Beryllium	5.02	1.00	mg/kg	5.010	0.371	92.8	75-125			
Cadmium	5.46	1.00	mg/kg	5.010	0.746	94.1	75-125			
Chromium	38.3	1.00	mg/kg	19.95	18.9	97.1	75-125			
Cobalt	55.4	1.00	mg/kg	49.88	8.57	93.9	75-125			
Copper	38.0	1.00	mg/kg	25.08	13.9	96.0	75-125			
Lead	50.3	1.00	mg/kg	50.10	2.46	95.5	75-125			
Molybdenum	45.1	1.00	mg/kg	49.83	ND	90.4	75-125			
Nickel	60.3	1.00	mg/kg	49.82	13.1	94.6	75-125			
Selenium	48.5	2.00	mg/kg	50.10	1.44	94.0	75-125			
Silver	4.67	1.00	mg/kg	5.000	ND	93.5	75-125			
Thallium	46.1	2.00	mg/kg	49.90	ND	92.4	75-125			
Vanadium	89.9	1.00	mg/kg	49.82	40.9	98.4	75-125			
Zinc	84.6	5.00	mg/kg	49.92	39.2	91.0	75-125			
Matrix Spike Dup Source: 1612148-01 Prepared & Analyzed: 12/19/16										
Antimony	45.0	2.00	mg/kg	49.90	0.611	88.9	60-140	3.22	30	

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File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL61944 - EPA 3050B										
Arsenic	46.0	2.00	mg/kg	49.57	ND	92.7	75-125	0.131	30	
Barium	303	1.00	mg/kg	200.0	112	95.6	75-125	6.40	30	
Beryllium	5.11	1.00	mg/kg	5.010	0.371	94.6	75-125	1.99	30	
Cadmium	5.50	1.00	mg/kg	5.010	0.746	95.0	75-125	0.968	30	
Chromium	40.2	1.00	mg/kg	19.95	18.9	107	75-125	9.37	30	
Cobalt	55.7	1.00	mg/kg	49.88	8.57	94.5	75-125	0.652	30	
Copper	39.4	1.00	mg/kg	25.08	13.9	101	75-125	5.58	30	
Lead	50.3	1.00	mg/kg	50.10	2.46	95.4	75-125	0.0979	30	
Molybdenum	45.3	1.00	mg/kg	49.83	ND	90.9	75-125	0.494	30	
Nickel	62.9	1.00	mg/kg	49.82	13.1	99.8	75-125	5.40	30	
Selenium	47.0	2.00	mg/kg	50.10	1.44	91.0	75-125	3.25	30	
Silver	4.79	1.00	mg/kg	5.000	ND	95.9	75-125	2.56	30	
Thallium	46.6	2.00	mg/kg	49.90	ND	93.3	75-125	1.06	30	
Vanadium	93.7	1.00	mg/kg	49.82	40.9	106	75-125	7.46	30	
Zinc	87.9	5.00	mg/kg	49.92	39.2	97.5	75-125	6.89	30	
Batch BL62152 - EPA 3050B										
Blank Prepared: 12/20/16 Analyzed: 12/21/16										
Antimony	ND	2.00	mg/kg							
Arsenic	ND	2.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	ND	1.00	mg/kg							
Nickel	ND	1.00	mg/kg							
Selenium	ND	2.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	2.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS Prepared: 12/20/16 Analyzed: 12/21/16										
Antimony	47.3	2.00	mg/kg	49.90		94.7	60-140			
Arsenic	46.4	2.00	mg/kg	49.57		93.5	80-120			
Barium	203	1.00	mg/kg	200.0		101	80-120			
Beryllium	4.77	1.00	mg/kg	5.010		95.3	80-120			
Cadmium	5.12	1.00	mg/kg	5.010		102	80-120			
Chromium	20.5	1.00	mg/kg	19.95		103	80-120			

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File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL62152 - EPA 3050B										
Cobalt	52.4	1.00	mg/kg	49.88		105	80-120			
Copper	25.6	1.00	mg/kg	25.08		102	80-120			
Lead	52.7	1.00	mg/kg	50.10		105	80-120			
Molybdenum	46.4	1.00	mg/kg	49.83		93.0	80-120			
Nickel	53.8	1.00	mg/kg	49.82		108	80-120			
Selenium	46.5	2.00	mg/kg	50.10		92.8	80-120			
Silver	5.08	1.00	mg/kg	5.000		102	80-120			
Thallium	50.3	2.00	mg/kg	49.90		101	80-120			
Vanadium	46.3	1.00	mg/kg	49.82		93.0	80-120			
Zinc	53.3	5.00	mg/kg	49.92		107	80-120			
Matrix Spike Source: 1612156-25 Prepared: 12/20/16 Analyzed: 12/21/16										
Antimony	36.9	2.00	mg/kg	49.90	0.707	72.6	60-140			
Arsenic	49.4	2.00	mg/kg	49.57	7.51	84.5	75-125			
Barium	538	1.00	mg/kg	200.0	356	91.2	75-125			
Beryllium	5.11	1.00	mg/kg	5.010	0.592	90.1	75-125			
Cadmium	5.53	1.00	mg/kg	5.010	1.17	86.9	75-125			
Chromium	69.8	1.00	mg/kg	19.95	48.2	108	75-125			
Cobalt	54.1	1.00	mg/kg	49.88	10.2	88.0	75-125			
Copper	57.4	1.00	mg/kg	25.08	32.2	100	75-125			
Lead	53.0	1.00	mg/kg	50.10	9.80	86.3	75-125			
Molybdenum	40.9	1.00	mg/kg	49.83	0.370	81.4	75-125			
Nickel	104	1.00	mg/kg	49.82	58.5	91.8	75-125			
Selenium	45.2	2.00	mg/kg	50.10	1.55	87.2	75-125			
Silver	4.70	1.00	mg/kg	5.000	ND	94.1	75-125			
Thallium	42.0	2.00	mg/kg	49.90	ND	84.2	75-125			
Vanadium	97.2	1.00	mg/kg	49.82	49.1	96.4	75-125			
Zinc	124	5.00	mg/kg	49.92	77.9	92.6	75-125			
Matrix Spike Dup Source: 1612156-25 Prepared: 12/20/16 Analyzed: 12/21/16										
Antimony	36.5	2.00	mg/kg	49.90	0.707	71.8	60-140	1.01	30	
Arsenic	50.2	2.00	mg/kg	49.57	7.51	86.1	75-125	1.85	30	
Barium	538	1.00	mg/kg	200.0	356	91.1	75-125	0.162	30	
Beryllium	5.02	1.00	mg/kg	5.010	0.592	88.5	75-125	1.82	30	
Cadmium	5.52	1.00	mg/kg	5.010	1.17	86.8	75-125	0.158	30	
Chromium	67.5	1.00	mg/kg	19.95	48.2	96.8	75-125	11.3	30	
Cobalt	54.0	1.00	mg/kg	49.88	10.2	87.8	75-125	0.247	30	
Copper	55.2	1.00	mg/kg	25.08	32.2	91.5	75-125	9.22	30	
Lead	53.4	1.00	mg/kg	50.10	9.80	87.0	75-125	0.863	30	
Molybdenum	40.9	1.00	mg/kg	49.83	0.370	81.3	75-125	0.177	30	
Nickel	102	1.00	mg/kg	49.82	58.5	87.1	75-125	5.34	30	
Selenium	44.5	2.00	mg/kg	50.10	1.55	85.8	75-125	1.65	30	

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ARCADIS U.S., Inc
320 Commerce Street, Suite 200
Irvine, CA 92602

Attn: Mr. Lawrence Browne Phone: (714) 730-9052 FAX:(714) 730-9345

File #:72348
Report Date: 12/27/16
Submitted: 12/16/16
PLS Report No.: 1612156

Project: Little Bear Expansion CO002047.0025

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BL62152 - EPA 3050B										
Silver	4.67	1.00	mg/kg	5.000	ND	93.4	75-125	0.741	30	
Thallium	42.6	2.00	mg/kg	49.90	ND	85.3	75-125	1.23	30	
Vanadium	94.6	1.00	mg/kg	49.82	49.1	91.2	75-125	5.46	30	
Zinc	121	5.00	mg/kg	49.92	77.9	85.5	75-125	8.04	30	
Batch BL61942 - EPA 7471A										
Blank Prepared & Analyzed: 12/19/16										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 12/19/16										
Mercury	0.851	0.100	mg/kg	0.8350		102	80-120			
Matrix Spike Source: 1612148-01 Prepared & Analyzed: 12/19/16										
Mercury	0.871	0.100	mg/kg	0.8350	0.0440	99.0	75-125			
Matrix Spike Dup Source: 1612148-01 Prepared & Analyzed: 12/19/16										
Mercury	0.894	0.100	mg/kg	0.8350	0.0440	102	75-125	2.74	25	
Batch BL62160 - EPA 7471A										
Blank Prepared & Analyzed: 12/20/16										
Mercury	ND	0.100	mg/kg							
LCS Prepared & Analyzed: 12/20/16										
Mercury	0.849	0.100	mg/kg	0.8350		102	80-120			
Matrix Spike Source: 1612156-25 Prepared & Analyzed: 12/20/16										
Mercury	0.937	0.100	mg/kg	0.8350	0.108	99.3	75-125			
Matrix Spike Dup Source: 1612156-25 Prepared & Analyzed: 12/20/16										
Mercury	0.915	0.100	mg/kg	0.8350	0.108	96.6	75-125	2.69	25	

Notes and Definitions

DO	Coeluting Peaks
NA	Not Applicable
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parlier

Authorized Signature(s)

ARCADIS
Infrastructure, environment, facilities

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 2

Lab Work Order # 1612156

Send Results to:

Contact & Company Name: Lawrence Browne / Arcadis	Telephone: (714) 730-9052
Address: 320 Commerce Ste 200	Fax: (714) 730-9345
City: Irvine, State: CA, Zip: 92602	E-mail Address: lawrence.browne@arcadis.com
Project Name/Location (City, State): Little Bear Expansion	Project #: CO002047.0025
Sampler's Printed Name: Lawrence Browne	Sampler's Signature:

Preservative	F						
Filtered (✓)							
# of Containers	2						
Container Information	7						

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: Ice
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil
W - Water, SL - Sludge, SW - Sample Wipe
T - Tissue, A - Air, Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	CAM-17 Mtls 6010B/74741A	OCPs 8081A	OPPs 8141A	Chlorinated Herbicides 8151A	TPH-cc 8015B			REMARKS
SB-1-0.5	12/14/16	0929		✓	SO	X	X	X	X				
SB-2-0.5		0944											
SB-3-1.0		1000											
SB-4-2.0		1030											
SB-5-1.5		1045											
SB-6-1.0		1105											
SB-7-0.5		1122											
SB-8-3.0		1221											
SB-9-3.0		1239											
SB-10-1.0		1253											
SB-11-2.0		1308											
SB-12-0.5		1320											
SB-13-3.0		1336											
SB-14-3.0		1400											

Special Instructions/Comments:

Normal TAT – Email COC upon receipt

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: POSITIVE	Cooler Custody Seal (✓) ☐ Intact ☐ Not Intact	Printed Name: L Browne	Printed Name: [signature] John Aaro	Printed Name: John Aaro	Printed Name: A. Gutierrez
☒ Cooler packed with ice (✓)		Signature: [signature]	Signature: [signature]	Signature: [signature]	Signature: [signature]
Specify Turnaround Requirements:	Sample Receipt: 1.9°C	Firm: ARCADIS	Firm/Courier: PLS	Firm/Courier: PLS	Firm: PLS
Shipping Tracking #:	Condition/Cooler Temp: 1.0°C	Date/Time: 12/16/16 1325	Date/Time: 12/16/16 1325	Date/Time: 12/19/16 0655	Date/Time: 12.19.16 @ 7:30am

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by BBL

ARCADIS
Infrastructure, environment, facilities

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #: 1612156

Send Results to:

Contact & Company Name: Lawrence Browne / Arcadis	Telephone: (714) 730-9052
Address: 320 Commerce Ste 200	Fax: (714) 730-9345
City State Zip: Irvine, CA 92602	E-mail Address: lawrence.browne@arcadis.com
Project Name/Location (City, State): Little Bear Expansion	Project #: CO002047.0025
Sampler's Printed Name: Lawrence Browne	Sampler's Signature:

Preservative	F						
Filtered (✓)							
# of Containers	2						
Container Information	7						

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	CAM-17 Mtls 6010B/74741A	OCPs 8081A	OPPs 8141A	Chlorinated Herbicides 8151A	TPH-cc 8015B			REMARKS
SB- 15-0.5	12/14/16	1420		✓	SO	X	X	X	X				
SB- 16-1.0		1435											
SB- 17-1.5		1447											
SB- 18-1.0		1456											
SB- 19-0.5		1510											
SB- 20-1.5		1525											
SB- 21-1.5		1552											
SB- 22-0.5		1604											
SB- 23-1.0		1618											
SB- 24-2.0		1633											
SB- 25-0.5		1642											
SB- 26-1.0		1700											
SB-													
SB-													

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: Ice
G. Other:
H. Other:

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other:
10. Other:

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other:

Special Instructions/Comments:

Normal TAT

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: POSITIVE	Cooler Custody Seal (✓)	Printed Name: L Browne	Printed Name: Jim Barie	Printed Name: Jim Barie	Printed Name: A. Gutierrez
☒ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements:	Sample Receipt:	Firm: ARCADIS	Firm/Courier: PCS	Firm/Courier: PCS	Firm: PCS
Shipping Tracking #:	Condition/Cooler Temp:	Date/Time: 12/16/16 1325	Date/Time: 12/16/16 1325	Date/Time: 12/19/16 0655	Date/Time: 12/19/16 @ 7:30am

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by BBL

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: December 27, 2016

Mr. John Schmidt
Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

Project: **1612156 / P.O.# 15403**
Lab I.D.: **161219-83 through -108**

Dear Mr. Schmidt:

The **analytical results** for the soil samples, received by our lab on December 19, 2016, are attached. The samples were received chilled, intact and accompanying chain of custody record.

The samples were received at four degree Celsius

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-1-0.5**

LAB I.D.: 161219-83

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-2-0.5** LAB I.D.: 161219-84

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-3-1.0** LAB I.D.: 161219-85

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-4-2.0** LAB I.D.: 161219-86

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-5-1.5** LAB I.D.: 161219-87

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-6-1.0**

LAB I.D.: 161219-88

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-7-0.5** LAB I.D.: 161219-89

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-8-3.0** LAB I.D.: 161219-90

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
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SAMPLE I.D.: **SB-9-3.0** LAB I.D.: 161219-91

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-10-1.0**
LAB I.D.: 161219-92

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: **SB-11-2.0**

LAB I.D.: 161219-93

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: **SB-12-0.5**

LAB I.D.: 161219-94

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: **SB-13-3.0**

LAB I.D.: 161219-95

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
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SAMPLE I.D.: **SB-14-3.0**

LAB I.D.: 161219-96

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

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SAMPLE I.D.: **SB-15-0.5**

LAB I.D.: 161219-97

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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SAMPLE I.D.: **SB-16-1.0**

LAB I.D.: 161219-98

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-17-1.5** LAB I.D.: 161219-99

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-18-1.0**
LAB I.D.: 161219-100

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-19-0.5** LAB I.D.: 161219-101

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-20-1.5**

LAB I.D.: 161219-102

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/20/16
DATE REPORTED: 12/27/16

METHOD BLANK FOR LAB I.D.: 161219-83 THROUGH -102

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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EPA 8141A QA/QC Report

Matrix: **Solid/Soil/Sludge/Liquid** Date Analyzed: **12/20-21/2016**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 161219-83 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Ethoprop	0.00	0.250	0.334	**134%**	0.323	**129%**	**3%**	**0-30%**	**40-140**
Phorate	0.00	0.250	0.332	**133%**	0.314	**126%**	**5%**	**0-30%**	**40-140**
Ronnel	0.00	0.250	0.309	**124%**	0.321	**128%**	**4%**	**0-30%**	**40-140**
Bolstar	0.00	0.250	0.309	**123%**	0.308	**123%**	**0%**	**0-30%**	**40-140**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Ethoprop	0.250	0.328	**131%**	**40-140**
Phorate	0.250	0.325	**130%**	**40-140**
Ronnel	0.250	0.308	**123%**	**40-140**
Bolstar	0.250	0.299	**120%**	**40-140**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		M-BLK	161219-83	161219-84	161219-85	161219-86	161219-87	161219-88
Tributyl Phosphate	40-140	125%	111%	128%	132%	126%	115%	109%
Triphenyl Phosphate	40-140	115%	121%	117%	117%	122%	117%	111%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161219-89	161219-90	161219-91	161219-92	161219-93	161219-94	161219-95	161219-96
Tributyl Phosphate	123%	126%	123%	125%	124%	104%	128%	119%
Triphenyl Phosphate	115%	111%	109%	114%	110%	100%	110%	109%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161219-97	161219-98	161219-99	161219-100	161219-101	161219-102
Tributyl Phosphate	113%	117%	122%	118%	121%	112%
Triphenyl Phosphate	110%	108%	106%	100%	111%	100%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-21-1.5**

LAB I.D.: 161219-103

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
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DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-22-0.5**
LAB I.D.: 161219-104

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-23-1.0** LAB I.D.: 161219-105

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
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DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-24-2.0** LAB I.D.: 161219-106

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
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SAMPLE I.D.: **SB-25-0.5**

LAB I.D.: 161219-107

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE 9ECEIVED: 12/19/16
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DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-26-1.0**
LAB I.D.: 161219-108

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE 9ECEIVED: 12/19/16
DATE EXTRACTED: 12/20/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

METHOD BLANK FOR LAB I.D.: 161219-103 THROUGH -108

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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EPA 8141A QA/QC Report

Matrix: **Solid/Soil/Sludge/Liquid** Date Analyzed: **12/21/2016**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 161219-103 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Ethoprop	0.00	0.250	0.280	**112%**	0.294	**118%**	**5%**	**0-30%**	**40-140**
Phorate	0.00	0.250	0.287	**115%**	0.286	**115%**	**0%**	**0-30%**	**40-140**
Ronnel	0.00	0.250	0.249	**100%**	0.236	**95%**	**5%**	**0-30%**	**40-140**
Bolstar	0.00	0.250	0.277	**111%**	0.263	**105%**	**5%**	**0-30%**	**40-140**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Ethoprop	0.250	0.339	**136%**	**40-140**
Phorate	0.250	0.343	**137%**	**40-140**
Ronnel	0.250	0.259	**104%**	**40-140**
Bolstar	0.250	0.308	**123%**	**40-140**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		M-BLK	161219-103	161219-104	161219-105	161219-106	161219-107	161219-108
Tributyl Phosphate	40-140	121%	103%	109%	112%	109%	115%	90%
Triphenyl Phosphate	40-140	106%	96%	105%	99%	100%	101%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tributyl Phosphate								
Triphenyl Phosphate								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tributyl Phosphate						
Triphenyl Phosphate						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-1-0.5** LAB I.D.: 161219-83

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-2-0.5**

LAB I.D.: 161219-84

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

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DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-3-1.0**

LAB I.D.: 161219-85

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

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DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-4-2.0**
LAB I.D.: 161219-86

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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REPORT TO: MR. JOHN SCHMIDT

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SAMPLE I.D.: **SB-5-1.5**

LAB I.D.: 161219-87

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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REPORT TO: MR. JOHN SCHMIDT

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DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-6-1.0**
LAB I.D.: 161219-88

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-7-0.5** LAB I.D.: 161219-89

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-8-3.0**

LAB I.D.: 161219-90

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
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REPORT TO: MR. JOHN SCHMIDT

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SAMPLE I.D.: **SB-9-3.0**

LAB I.D.: 161219-91

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
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SAMPLE I.D.: **SB-10-1.0**

LAB I.D.: 161219-92

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
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SAMPLE I.D.: **SB-11-2.0** LAB I.D.: 161219-93

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
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SAMPLE I.D.: **SB-12-0.5**

LAB I.D.: 161219-94

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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SAMPLE I.D.: **SB-13-3.0**

LAB I.D.: 161219-95

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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REPORT TO: MR. JOHN SCHMIDT

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SAMPLE I.D.: **SB-14-3.0**

LAB I.D.: 161219-96

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: **1612156 / P.O.# 15403**

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DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

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DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-15-0.5**
LAB I.D.: 161219-97

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-16-1.0**

LAB I.D.: 161219-98

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-17-1.5**

LAB I.D.: 161219-99

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-18-1.0**

LAB I.D.: 161219-100

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-19-0.5**
LAB I.D.: 161219-101

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-20-1.5**

LAB I.D.: 161219-102

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

METHOD BLANK FOR LAB I.D.: 161219-83 THROUGH -102

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **12/21/2016**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 161219-83 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.0500	0.0454	**91%**	0.0491	**98%**	**8%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0482	**96%**	70-130
2,4,5-TP	0.0500	0.0458	**92%**	70-130
DINOSEB	0.250	0.223	**89%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	161219-83	161219-84	161219-85	161219-86	161219-87	161219-88	161219-89
DCAA	50-150	110%	129%	106%	140%	143%	115%	102%	108%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		161219-90	161219-91	161219-92	161219-93	161219-94	161219-95	161219-96	161219-97
DCAA	50-150	125%	130%	120%	112%	93%	135%	126%	85%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		161219-98	161219-99	161219-100	161219-101	161219-102			
DCAA	50-150	126%	144%	128%	120%	122%			

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By:

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-21-1.5**
LAB I.D.: 161219-103

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-22-0.5** LAB I.D.: 161219-104

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-23-1.0**

LAB I.D.: 161219-105

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-24-2.0** LAB I.D.: 161219-106

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-25-0.5**

LAB I.D.: 161219-107

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: ah
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
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Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE 9ECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

SAMPLE I.D.: **SB-26-1.0**

LAB I.D.: 161219-108

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Positive Lab Service**
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: **1612156 / P.O.# 15403**

MATRIX: SOIL
DATE SAMPLED: 12/14/16
REPORT TO: MR. JOHN SCHMIDT

DATE 9ECEIVED: 12/19/16
DATE EXTRACTED: 12/20-21/16
DATE ANALYZED: 12/21/16
DATE REPORTED: 12/27/16

METHOD BLANK FOR LAB I.D.: 161219-103 THROUGH -108

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **12/21/2016**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 161219-103 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.0500	0.0486	**97%**	0.0479	**96%**	**2%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0473	**95%**	70-130
2,4,5-TP	0.0500	0.0472	**94%**	70-130
DINOSEB	0.250	0.259	**104%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	161219-103	161219-104	161219-105	161219-106	161219-107	161219-108	
DCAA	50-150	95%	121%	118%	101%	105%	104%	94%	

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

S.R. = Sample Result
Spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

84135

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE 1 OF 3

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service Project Name/No. 1612156 P.O. NO. 15403

AIRBILL NO: _____

COOLER TEMP: 4°C

PRESERVED: _____

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO:

SAMPLER NAME: Client (Printed) (Signature)

TAT(Analytical Turn Around Time) 0 = Same day; 1 = 24 Hour; 2 = 48 Hour; (Etc.) N = NORMAL

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

ANALYSES REQUESTED:

REMARKS:

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	MATRIX: SOIL	MATRIX: SLUDGE	MATRIX: OTHER	TAT	CONTAINER: #	CONTAINER: TYPE	8141A OPPS	8151A Pyrimidine							SAMPLE CONDITION/ CONTAINER /COMMENTS:
1612	19-83	12.14.16	929	SB-1-0.5		X				1	G	X	X							
2	-84		944	SB-2-0.5																
3	-85		1000	SB-3-1.0																
4	-86		1030	SB-4-2.0																
5	-87		1045	SB-5-1.5																
6	-88		1105	SB-6-1.0																
7	-89		1122	SB-7-0.5																
8	-90		1221	SB-8-3.0																
9	-91		1239	SB-9-3.0																
10	-92		1253	SB-10-1.0																

Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
[signature]	[signature]	12/19/16	1320
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

LAB COPY

97041

POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE 2 OF 3

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: See pg 1 of 3 Project Name/No. 1612156 P.O. NO. _____ AIRBILL NO: _____

ADDRESS: _____ ANALYSES REQUESTED: _____ COOLER TEMP: 4°C

PROJECT MANAGER: _____ PHONE NO: _____ FAX NO: _____ PRESERVATIVE: _____

SAMPLER NAME: _____ (Printed) _____ (Signature) _____ REMARKS: _____

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	MATRIX: SOIL	MATRIX: SLUDGE	MATRIX: OTHER	TAT	CONTAINER: #	CONTAINER: TYPE	8141A OPPS	8151A Organic Pesticides							SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	161-9-93	12.14.16	13:08	SB-11-2.0		X				8oz	G	X	X							
2	-94		13:20	SB-12-0.5																
3	-95		13:36	SB-13-3.0																
4	-96		1400	SB-14-3.0																
5	-97		1420	SB-15-0.5																
6	-98		1435	SB-16-1.0																
7	-99		1447	SB-17-1.5																
8	-100		1456	SB-18-1.0																
9	-101		1510	SB-19-0.5																
10	-102		1525	SB-20-1.5		X				X	X	X	X							

Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
[signature]	[signature]	12/19/16	1320
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

97042

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: PAGE 3 OF 3

LOG BOOK NO. FILE NO. LAB NO.

CLIENT NAME: See pg 1 of 3 Project Name/No. 16/2156 P.O. NO. AIRBILL NO:

ADDRESS: ANALYSES REQUESTED: COOLER TEMP: 4°C

PROJECT MANAGER: PHONE NO: FAX NO: PRESERVATIVE:

SAMPLER NAME: (Printed) (Signature) REMARKS:

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID#

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	MATRIX: SOIL	MATRIX: SLUDGE	MATRIX: OTHER	TAT	CONTAINER #	CONTAINER TYPE	SHAHDDS	SBIAC Pesticides	SAMPLE CONDITION/ CONTAINER /COMMENTS:
1617	19-103	12.14.16	1552	SB-21-1.5		X				1	G	X	X	
2	104		1604	SB-22-0.5						8	0z			
3	105		1618	SB-23-1.0										
4	106		1633	SB-24-2.0										
5	107		1642	SB-25-0.5										
6	108		1700	SB-26-1.0										
7														
8														
9														
10														

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: 12/19/16 Time: 1320

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: days

By Date

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

Appendix I5

Phase I Environmental Site Assessment Report for the Proposed Little Bear Expansion Solar Project (January 2017)

ARCADIS Design & Consultancy for natural and built assets

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Proposed Little Bear Expansion Solar Project
Mendota, California 93640

January 13, 2017

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Proposed Little Bear Expansion Solar Project (Section 13)
Mendota, California 93640

Prepared for:

First Solar, Inc.

Janet Holtz
Principal Environmental Scientist

Prepared by:

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Our Ref.:

CO002047.0025; 00001

Date:

January 13, 2017

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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis U.S., Inc.
AST	aboveground storage tank
ASTM	ASTM International
bgs	below ground surface
CFR	Code of Federal Regulations
CRECs	controlled recognized environmental conditions
EDR	Environmental Data Resources, Inc.
ESA	Environmental Site Assessment
HRECs	historical recognized environmental conditions
LUST	Leaking Underground Storage Tank
PCBs	polychlorinated biphenyls
RECs	recognized environmental conditions
U.S. EPA	United States Environmental Protection Agency
UST	underground storage tank

EXECUTIVE SUMMARY

Arcadis U.S., Inc. (Arcadis) was retained by First Solar, Inc. (First Solar) to conduct a Phase I Environmental Site Assessment (ESA) for approximately 640 acres of agricultural land near Mendota, Fresno County, California (the Site). The Site is proposed to be developed with a solar project known as Little Bear Expansion (Section 13).

As directed by First Solar, the Phase I ESA was performed in accordance with the ASTM International (ASTM) Standard E1527-13, Standard Practice for Environmental Site Assessments: *Phase I Environmental Site Assessment Process*. The goal of the Phase I ESA was to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and historical recognized environmental conditions (HRECs) associated with the property in conformance with ASTM E1527-13.

The Phase I ESA included a visual inspection of the property completed on December 14, 2016; observation of adjacent properties; reviews of environmental regulatory agency records, historical documents, and facility records that were available on site; and interviews with personnel represented to be familiar with the Site as indicated elsewhere in the report.

The findings identified by Arcadis are summarized below and discussed in greater detail in the body of the report.

Historical Findings

Based on review of historical sources, the Site has been used for agriculture (row crops) from at least the 1930s until the present-day. Farm-related features (storage structure, silos) have been present on the Site's western boundary since the mid-1970s.

Based on the past and current agricultural use of the Site, it is possible pesticides and other agricultural chemicals have been applied to the Site. However, Arcadis does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition. Additionally, Arcadis did not observe the storage of pesticides onsite nor any pesticide mixing areas.

On-Site Findings

The approximately 640-acre, square-shaped site consists of agricultural land recently planted with wheat seeds. The Site is farmed by a farmer that leases the land from Westlands Water District, the Site owner. The Site is not irrigated. However, there are remnant irrigation features and concrete standpipes throughout the Site, mainly aligned in an east/west direction along the northern and southern boundaries and in the center of the Site. Farm-related features observed along the Site's west boundary include an open-end storage structure that currently contains pallets of wheat seeds and some old or spare tires. Minor surface staining was observed on the concrete floor of the storage structure and is considered a *de*

minimis condition. Numerous tires and an empty rusted drum were stored along the exterior of the structure.

Five rusted and unused grain silos are located south of the storage structure. An underground chamber with a concrete floor is associated with the silos and was filled with dead vegetation and non-hazardous debris. There are doors that access the interior of the silos; some of the silos contain non-hazardous debris and evidence of possible use by trespassers.

The storage structure and grain silos are constructed of metal; however, it is possible suspect asbestos-containing materials (ACMs) are present within the structures that were not observed by Arcadis.

Evidence of surface burning, a burn pit, and a pile of treated lumber and concrete pipes are located west of the storage structure near S. Ohio Avenue. In addition, small piles of non-hazardous debris were observed throughout the area occupied by the farm structures. No obvious concerns other than housekeeping issues were observed. However, soil samples were collected from the area of farm features as well as throughout the Site; the analytical results have been submitted under separate cover and did not indicate an environmental concern for the Site.

Markers along the eastern site boundary indicate the presence of an underground natural gas pipeline running north-south along S. Derrick Avenue. The owner of the pipe is identified as Pacific Gas & Electric (PG&E). Adjacent to the southeast corner of the Site is an enclosure identified as Gill Ranch Storage, Jensen Road MLBV. Internet research indicates that Gill Ranch is located approximately 25 miles west of Fresno. During the 1980s and 1990s, producers extracted natural gas from Gill Ranch. Currently, Gill Ranch Storage uses the dry underground reservoirs on the ranch for the storage of natural gas. Gill Ranch Storage includes a 27-mile, 30-inch pipeline that links the facility to PG&E's mainline transmission system north of Panoche, California. According to a map published by Gill Ranch, this is the pipeline that is within an easement along the Site's eastern boundary. Any concerns with the pipeline would be the responsibility of PG&E.

Regulatory Findings

An environmental database report prepared by Environmental Data Resources, Inc. (EDR) was reviewed for local, state, and federal listings for the Site and properties within the site vicinity. Regulatory database lists were reviewed for cases pertaining to underground storage tanks (USTs), leaking USTs (LUSTs) and aboveground storage tanks (ASTs), hazardous waste sites, and abandoned sites within the specified radii of standards established by ASTM guidelines. The Site location is not listed in any of the databases searched nor were any records found for the Site at local regulatory agencies. In addition, no offsite properties were identified that represent an environmental concern or a vapor encroachment condition for the Site.

Conclusions

Arcadis has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E1527-13 for Phase I ESAs. This assessment has revealed evidence of RECs in connection with the Site, and no further investigation is recommended at this time.

The following *de minimis* conditions were identified in connection with the Site:

- A survey for ACMs should be conducted prior to the demolition or removal of the storage structure and silos.
- Any remnant irrigation pipelines uncovered during future site development should be assessed for Transite™ asbestos prior to crushing and/or offsite disposal.
- It is likely future development plans will require a setback from the PG&E natural gas pipeline easement.

1 INTRODUCTION

Arcadis U.S., Inc. (Arcadis) was retained by First Solar, Inc. (First Solar) to conduct a Phase I Environmental Site Assessment (ESA) for approximately 640 acres of agricultural land near Mendota, Fresno County, California (the Site). The Site is proposed to be developed with a solar project known as Little Bear Expansion (Section 13).

1.1 Purpose

Arcadis understands that the purpose for conducting this Phase I ESA is to assess and document the current status of environmental conditions at the Site.

1.2 Detailed Scope of Services

As directed by First Solar, the Phase I ESA was conducted in accordance with the ASTM International (ASTM) E1527-13 Standard Practice for Site Assessments: Phase I Environmental Site Assessment Process. The goal of the Phase I ESA was to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and historical recognized environmental conditions (HRECs) associated with the property in conformance with ASTM E1527-13.

A REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to 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. *De minimis* conditions are not RECs.

A CREC is defined 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 and that subjects the property to activity and/or use limitations.

A HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed in a manner accepted by the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent), without subjecting the property to any activity and use limitations.

The ASTM practice requires environmental professionals to identify data gaps following reasonable inquiry of site and First Solar personnel and Arcadis' search for "reasonably ascertainable" resources. ASTM E1527-13 defines a data gap as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information."

Arcadis' scope of work included:

- On-site inspection of the Site to identify environmental conditions issues as defined above;
- Review of available environmental documents for the Site, including previous site assessments and investigations;
- Interviews with persons represented to be familiar with the operation and history of the Site;

- Review of property history through interviews, aerial photographs, on-line planning portals, and historical mapping (as available);
- Observation of adjacent properties and the local area to evaluate the potential for adverse environmental impact to the Site; and
- Contracting of Environmental Data Resources, Inc. (EDR) to identify sites of concern as required in the regulatory records review section of the ASTM practice for a Phase I ESA.

The Phase I ESA did not include the collection or analysis of soil, air, water, groundwater, transformer/ electrical fluids, hazardous building materials, or other samples, nor did it include a title search. This ESA did not include an assessment of the environmental (or health and safety) compliance status of the site operations. However, it is noted that soil samples were collected in conjunction with the Phase I ESA (as a separate Phase II investigation) and the findings have been submitted under separate cover.

Photographs of the Site and surrounding areas were taken to document current conditions and are included in **Appendix A**.

1.3 Significant Assumptions

Arcadis has assumed that the information sources used for this assessment provided accurate information. Evaluations presented in this report are based exclusively on information provided by First Solar and site personnel and observations made during the site visit. No invasive field activities were conducted and no laboratory analyses were performed.

The boundaries of the Site were described in documents provided by First Solar and by interviews with Site personnel. Arcadis assumed this information was accurate.

1.4 Limitations and Exceptions

The services performed and any opinions expressed by Arcadis in this report are based upon the limits of the assessment described herein. Arcadis has relied upon the accuracy of documents, information, data, and other materials provided or made available by First Solar and others. Arcadis has not independently verified such information and assumes no liability for the accuracy or completeness of such information. Arcadis makes no guarantee that site conditions do not exist, or will not exist in the future, that were undetected or that could lead to liability in connection with the Site. Similarly, past and present activities on the Site indicating the potential for the existence of environmental concerns may not have been discovered by Arcadis. Such activities may include those that would indicate the potential for regulated hazardous substances at the Site. Likewise, site conditions or site activities that were outside the scope of the services described above, or changes to site conditions or regulatory requirements may lead to liabilities in connection with the Site that are not identified in this report. Arcadis has reviewed the information obtained in connection with the performance of the services described above, in keeping with existing applicable environmental consulting standards and enforcement practices, but cannot predict what actions any given agency may take or what standards and practices may apply in the future.

Where access to portions of the Site or to structures on the Site was unavailable or limited, Arcadis renders no opinion and accepts no responsibility for assessment of the condition of these portions of the Site, including specifically, but not limited to, the presence of hazardous substances or petroleum

products at these locations. In addition, Arcadis renders no opinion concerning the presence or absence of hazardous substances or petroleum products where direct observation of any part of the Site, or structure on the Site, is limited by physical obstructions.

The conclusions and observations are based upon limited data and professional opinions, and the assessment is performed on a particular date. Site conditions and activities may change after that date. Therefore, the risk of undiscovered environmental impairment of the Site cannot be ruled out. Arcadis does not make any representations or warranties regarding the condition or value of the Site, regardless of the results of the assessment presented in this report.

Arcadis makes no guarantees, certifications, warranties, or representations of any kind whatsoever, whether expressed or implied, regarding this Phase I ESA, the condition of the Site, or the liabilities associated with the Site.

1.5 Special Terms and Conditions

No special terms and conditions were imposed on this Phase I ESA.

1.6 Reliance

It is understood that this report will be prepared for the sole use of First Solar, and the contents thereof may not be used or relied upon by any other person without the express written consent and authorization of Arcadis. Use of this report by any other party shall be at such party's sole risk and liability.

1.7 Deviations

No deviations from the referenced ASTM Standard occurred.

1.8 Additional Services

In addition to the services outlined in ASTM E1527-13, a soil sampling investigation was conducted in conjunction with this assessment. The findings of the Phase II soil sampling investigation have been submitted under separate cover.

2 SITE LOCATION / LAND USE

2.1 Site Location

The square-shaped, approximately 640-acre site is located at the southwest intersection of W. California Avenue and S. Derrick Avenue (State Highway 33) in unincorporated Fresno County. The Site is bisected from north to south by unpaved Ohio Avenue and from west to east by unpaved W. Adams Avenue. The Site is located approximately 2.5 miles southwest of Mendota, California at its closest point. The Site does not have a street address.

The Site Location Map and Site Plan are presented as **Figures 1 and 2**.

2.2 Site and Vicinity Characteristics

The Site consists agricultural land recently planted with wheat seeds. Two unpaved roads and dirt trails provide access to the interior of the Site. Farm-related features including a storage structure and unused silos are present along the Site's western boundary. The site vicinity is comprised of agricultural land, undeveloped land, a solar panel farm, and a correctional institution.

2.3 Current Use of the Property

The current use of the Site is agriculture (dry farming only). The Site is leased by a farmer who recently planted the Site with a wheat crop. The storage structure along the western site boundary is occasionally used by the farmer to store seedlings (hay, wheat).

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

The Site is improved with two unpaved access roads and trails to provide access to the interior of the Site. There is one open-ended storage structure and five unused grain silos and concrete basement structure along the western site boundary. The structure and silos are metal and unlikely to contain asbestos-containing building materials.

2.5 Current Uses of the Adjoining Properties

Land use surrounding the Site predominately consists of agricultural land and undeveloped land. The adjoining properties and land uses include:

- North: W. California Avenue followed by fallow agricultural land and the Federal Correctional Institution, Mendota.
- East: S. Derrick Avenue (State Highway 33) followed by fallow agricultural land.
- South: W. Jensen Avenue followed by fallow agricultural land.

- West: S. Ohio Avenue followed by agricultural land that will be developed with a solar farm.

Based on visual observations, current activities at the adjacent properties do not appear to be of environmental concern to the Site.

3 USER-PROVIDED INFORMATION

Mr. Israel Sanchez, Junior Engineer with Westlands Water District (Site owner), completed an ASTM Questionnaire. Ms. Lien Dinh with First Solar completed the ASTM User Questionnaire. The contents of the questionnaires are provided below. Copies of the questionnaire are included in **Appendix B**.

3.1 Environmental Liens

Mr. Sanchez and Ms. Dinh stated that there are no environmental liens recorded for the Site. In addition, according to information provided by EDR, the Site is not encumbered by an environmental lien or activity and use limitation. See **Appendix B** for a copy of the LienSearch™ report.

3.2 Activity and Use Limitations

Mr. Sanchez and Ms. Dinh are unaware of activity and use limitations, such as engineering controls, land use restrictions or institutional controls, that are in place at the Site and/or have been filed or recorded in a registry. In addition, according to information provided by EDR, the Site is not encumbered by an activity and use limitation.

The client provided Arcadis a “commitment for title insurance” report for the Site. The report identifies several easements on the Site, including a public road, water pipelines, drainage easement, and a natural gas pipeline. In addition, the report identifies a document entitled Declaration of Restrictive Covenant (Non-irrigation Covenant) executed by Westlands Water District in 2006 that appears to apply to the Site. It is beyond the scope of a Phase I ESA to comment on a title insurance document; however, the easements and the restrictive covenant (water related) do not appear to represent an environmental concern for the Site. See **Appendix B** for a copy of the title insurance report.

3.3 Specialized Knowledge

Mr. Sanchez and Ms. Dinh stated they do not have specialized knowledge regarding the property other than it is and has been agricultural. Ms. Dinh stated that crops previously grown onsite included cotton and tomatoes.

3.4 Valuation Reduction for Environmental Issues

Mr. Sanchez and Ms. Dinh both stated there was no valuation reduction of the Site due to environmental issues.

3.5 Commonly Known or Reasonably Ascertainable Information

Westlands Water District previously provided Arcadis with two environmental reports prepared for a tract of land that included the Site. See Section 4.1 for a summary of the reports.

3.6 Obvious Contamination Presence or Likely Presence

According to Mr. Sanchez and Ms. Dinh, there are no obvious indicators that point to the presence or likely presence of contamination at the property.

3.7 Owner, Property Manager, and Occupant Information

The Site is owned and managed by Westlands Water District. The Site is leased to a local farmer but is not occupied. The Site includes two parcels of land identified by the Fresno County Assessor's Office as Assessor Parcel Numbers 019-110-06ST and 019-120-13ST. Westlands Water District acquired the Site in 2004 from private individuals.

3.8 Reason for Performing Phase I ESA

The reason for performing the Phase I ESA was to evaluate current environmental conditions at the Site.

4 SITE HISTORY

Historical information obtained by Arcadis from EDR and Google Earth during this Phase I ESA is summarized in **Table 1**.

Table 1 Historical Information Reviewed

Source	Date	Information Obtained
Sanborn® Fire Insurance Maps	Not Applicable	Sanborn Fire Insurance Maps were not produced for rural areas**.**
Topographic Maps (copies provided in **Appendix C**)	1922/1924, 1946, 1947, 1956, 1971, 1984, and 2012	The 1922/1924 map depicts the Site as undeveloped except for a small unpaved road at the north end of the Site, and some smalls structures along the western boundary in the location of the current farm-related features. The surrounding area is also depicted as mainly undeveloped land. The 1946 and 1947 maps depict the Site as undeveloped except for two small structures (likely residences) along the western boundary and two small structures (residences) along the southern boundary. A small reservoir is depicted in the southwest corner of the Site. A water well is shown adjacent to the eastern boundary of the Site. More defined roads are depicted in the surrounding area. The 1956 map depicts the Site as undeveloped except for the residences and seven small rectangular buildings which are now seen along the Site's western boundary. The reservoir in the southwest corner of the Site is no longer shown. The surrounding area is also depicted as undeveloped. The Site remains mostly undeveloped in the 1971 map and only two of the rectangular structures remain onsite. Two residences are still shown along the western boundary but are not obvious along the southern boundary of the Site. The 1984 map only depicts one residence and one small rectangular building along the Site's western boundary; no other features are depicted onsite. No significant features are shown in the surrounding area. The 2012 map depicts the Site to be criss-crossed by W. Adams Avenue and Ohio Avenue, no other features are shown onsite. No features are shown in the surrounding area other than roads. No features were depicted on or off the Site on the maps reviewed that would indicate an obvious environmental concern for the Site.

Source	Date	Information Obtained
Aerial Images (copies provided in **Appendix C**)	1937, 1946, 1950, 1955, 1960, 1971, 1978, and 1981 (EDR); and 1998, 2003, 2009, and 2015 (Google Earth)	In the 1937 through 1950 photographs, the Site is shown with a probable agricultural use. The surrounding area is also agricultural with some distinct farm-related features and structures scattered throughout the area. In the 1955 photograph, the Site appears to have reverted to a more natural state in contrast to surrounding properties which appear more distinctly agricultural. The 1960 photograph again shows the Site with an agricultural use. The surrounding area remains agricultural. The Site appears to be planted with row crops in the 1971 photograph. In the 1978 photograph, the Site is agricultural and there are now features visible in the area of the present-day farm features along the western boundary of the Site. An apparent farmstead is visible adjacent to the northwest corner of the Site. The clarity of the 1981 photograph is poor; however, there appear to be no features onsite other than crops and the farm structures along the western boundary. In the 1998 through 2009 aerial images, no obvious changes are observed on the Site or in the surrounding area. In the 2015 aerial image, the Site appears to be fallow agricultural land. The surrounding area is predominantly agricultural; however, a solar panel farm is now present to the northwest of the Site. No features were observed onsite or offsite on the aerial photographs reviewed that would indicate an obvious environmental concern for the Site.

4.1 Previous Environmental Investigations

Arcadis was provided with previous environmental reports for the Site from the site owner. A summary of the reports is presented here:

BSK. 2003. *Limited Phase I ESA Report, 31,500 Acres of Farmland within the Westlands Water District, Fresno County, CA.* August 19.

The BSK report was prepared for approximately 33,400 acres of land (discrepancy with the title of the report) within the Westlands Water District (Westlands) that includes the Site. At that time, the properties consisted of cropland, fallow land, farm land removed from production, farm roads, farming operation yards, and farm labor residences. BSK stated that agricultural development of the site properties began in the early 1940s and by the late 1980s, were largely developed in their current state. Subsurface drainage systems were installed in the 1970s and by the mid-1980s, were largely out of use. However, the report stated portions of the properties are no longer farmed now due to rising perched water levels.

Based on observed conditions during the site reconnaissance, BSK stated that the principal crops grown throughout the area were cotton, tomatoes, grapes, alfalfa, onions, and garlic. No orchards or rice fields were present. Several farming operation yards, numerous water wells, abandoned subsurface drainage collection system pumps and associated reservoirs, and water storage reservoirs were observed. Irrigation ditches were observed for chemical impact. The report stated that no conditions appearing to be associated with the introduction of fuels or chemicals were observed. In addition, the report stated there was no indication of waste piles or surface impoundments within the farming operation areas. There was no specific mention of the subject Site in the report.

Requests to local regulatory agencies and review of federal and states databases did not identify any records of concern for the site. Several off-site properties were identified with the possible potential to impact the property being assessed; however, none appear to be located in proximity to the current subject Site. BSK did not provide any conclusions or recommendations in their report.

BSK. 2004. *Addendum to Limited Phase I ESA Report, 22,627 Acres of Farmland, Phase 3 and 4 Properties within the Westlands Water District, Fresno County, CA*. August 18.

The addendum report also includes the Site and was prepared to update site conditions as new parcels were transferred to Westlands. Although new properties were observed by BSK that handled large quantities of fuels and/or chemicals, it appears that there were no changes to properties that were previously cropland or fallow land, which includes the Site. BSK provided specific recommendations for several properties; however, the recommendations did not include the Site or properties adjacent to the Site. BSK also provided general conclusions for all the properties which included the following, “While BSK found no evidence of RECs, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.” BSK also stated that oil-lubricated irrigation supply wells can be a source of impact to soil and groundwater through loss of oil, and that further investigation would be required to determine if releases occurred that warranted further action. Arcadis did not observe any oily releases in connection with abandoned irrigation features on the Site.

Copies of the BSK reports are included in **Appendix D**.

5 RECORDS REVIEW

As part of this assessment, Arcadis reviewed regulatory databases and available agency files and records for the Site. Information from these sources is discussed in the following sections.

5.1 Regulatory Database Research

An environmental database report prepared by EDR was reviewed for local, state, and federal listings for properties within the site area. Included in EDR's report are regulatory databases reviewed by EDR for cases pertaining to leaking underground storage tanks (USTs) and aboveground storage tanks (ASTs), hazardous waste sites, and abandoned sites within the ASTM-specified radii **(Table 2)**. EDR also reviewed selected databases generated by the United States Environmental Protection Agency (U.S. EPA). Explanations of the regulatory agency databases reviewed are presented in EDR's report, which is included as **Appendix E**.

It should be noted that the computerized geocoding technology used in the database search is based on available census data and is only accurate to approximately ±300 feet. Also, elevations were determined from the U.S. Geological Survey Digital Elevation Model and are relative (not absolute). Sites with an elevation equal to or higher than the target property have been differentiated from sites with an elevation lower than the target property.

Sites identified within the study radii were evaluated to determine if they are likely to have adversely impacted the Site. The criteria used to evaluate the potential for adverse impact to the Site include:

- Distance from the Site;
- Expected depth and direction of groundwater and surface water flow;
- Expected storm water flow direction; and
- Presence/absence of documented contaminant releases at the identified sites not identified as remediated.

Table 2 Regulatory Agency Databases / Lists Reviewed

Search Radius	Agency	Database	Type of Records in Database
1 mile	U.S. EPA	NPL	Sites designated for Superfund clean-up by the U.S. EPA
	U.S. EPA	CORRACTS	RCRA facilities undergoing "corrective actions"
0.5 mile	U.S. EPA	CERCLIS	Sites under review by the U.S. EPA
	RWQCB	LUST	Sites with LUSTs
	IWMB	SWF/LF	Sites permitted as solid waste landfills, incinerators or transfer stations

Search Radius	Agency	Database	Type of Records in Database
	U.S. EPA	CERCLIS-NFRAP	CERCLIS sites with no further remedial actions planned.
	U.S. EPA	CERCLIS	Sites under review by the U.S. EPA
	DTSC	LUST	Sites with LUSTs
Site or Adjacent Properties	U.S. EPA	RCRA Generator	Sites that generate large or small quantities of hazardous waste
	U.S. EPA	ERNS	Sites with reported accidental releases of oil and hazardous substances
	RWQCB	UST	Sites with registered USTs

Notes:

DTSC = Department of Toxic Substances Control

CERCLIS = Comprehensive Environmental Response Compensation and Liability Information System

CORRACTS = Corrective Action Report

ERNS = Emergency Response Notification System

DHS = Department of Health Services

IWMB = Integrated Waste Management Board

LUST = Leaking Underground Storage Tank

NFRAP = No Further Remedial Action Planned

NPL= National Priorities List

OES = Office of Emergency Services

SWAT = Solid Waste Assessment Test

SWLF = Solid Waste Landfills

TSD = Transfer, Storage and Disposal

WMUDS = Waste Management Unit Database

5.1.1 Site

According to EDR's report, the Site location is not listed in any of the databases searched.

5.1.2 Off-Site Properties

According to EDR's report, a property identified as Britz Fertilizers is located at or near the intersection of Adams and Derrick Avenue, and is plotted adjacent to the Site's eastern boundary. The property is listed in the SLIC database for a release of diesel that impacted groundwater. The case was closed in 2003. There are no additional details regarding the case on the Regional Water Quality Control Board's (RWQCB) Geotracker website; therefore, it is unknown if the facility was actually located adjacent to the Site or was miss-plotted. However, since the status is closed, it is not anticipated to represent a current concern to the Site.

Two facilities are listed in the CUPA database, indicating they store over threshold quantities of hazardous materials. One facility, Franco Garage at 915 Derrick Avenue, is plotted along the Site's eastern boundary near the southern end of the Site. Google Earth plots this address over two miles north of the Site within the city of Mendota. Therefore, it appears that this facility was miss-plotted. The other CUPA listing is Federal Correctional Institution Mendota which is located 0.5-mile north of the Site at its closest point. Based on distance, it is unlikely to represent an environmental concern to the Site.

No other properties were identified in the database report that are considered to represent an environmental concern or a vapor encroachment condition for the Site.

5.2 Agency Research

Files and records available at the agencies listed in **Table 3** were reviewed for information on the Site.

Table 3 Local Agency Files

Source	Date	Information Obtained
California Regional Water Quality Control Board (RWQCB)	December 2016	Available information maintained by the RWQCB at http://geotracker.waterboards.ca.gov was reviewed for records concerning hazardous spills, USTs, and LUSTs at the Site. There were no records for the location of the Site.
Department of Toxic Substances Control (DTSC)	December 2016	A review of the DTSC website (http://www.envirostor.dtsc.ca.gov/public/) did not identify any records for the Site.
Fresno County Environmental Health Division (FCEHD)	December 2016	The FCEHD is the Certified Unified Program Agency (CUPA) for the Site. According to an agency representative, records are filed by street address. As the Site does not have a street address, a records search could not be conducted. However, as no records for the Site location were identified in the EDR report and no activities are conducted onsite that would require permits of an environmental nature, it is not anticipated that records would be on file for the Site even if it had a street address.
Fresno County Department of Agriculture (FCDA)	December 2016	Arcadis did not request records for the Site from the FCDA because, according to Ms. Angel Gibson, Program Technician, the reporting databases are only kept active for five years. Any pesticides used onsite within the past five years would have a short half-life and would not be expected to represent an environmental concern to the Site. Older persistent pesticides may have been applied to the Site in the past. However, Arcadis does not consider the use of pesticides, fertilizers or herbicides, when used in accordance with manufacturer specifications and for approved agricultural uses, by default to be defined as a REC without facts showing that there was a release or potential release of a petroleum product or hazardous substance that would constitute a REC under the ASTM definition. Additionally, Arcadis did not observe the storage of pesticides onsite nor any pesticide mixing areas. However, to address the long-term potential use of pesticides on the Site, Arcadis collected representative samples of shallow soil across the Site. The results of this investigation have been submitted under separate cover. No concerns were identified.
California Division of Oil, Gas & Geothermal Resources (DOGGR)	December 2016	A review of DOGGR's online Well Finder database did not identify any oil or gas wells on the Site or within a 1,500 foot buffer of the Site.

6 ENVIRONMENTAL SETTING

6.1 Topography

According to information obtained from the U.S. Geological Survey 7.5-Minute Series Topographic Map of the Coit Ranch, California quadrangle, dated 2012, topography at the Site is on average approximately 189 feet above mean sea level. The Site is relatively level. The general topographic gradient of the surrounding area exhibits a slight downward slope to the east.

6.2 Geology

The Site is located in the south-central portion of the San Joaquin Valley. The San Joaquin Valley is a gently sloping, nearly unbroken alluvial plain bounded on the east by the Sierra Nevada Mountains and on the west by the Coast Ranges. According to the environmental database report prepared by EDR, the sediments beneath the Site have been identified as part of the Quaternary Series of the Quaternary System of the Cenozoic Era. According to the United States Department of Agriculture, Soil Conservation Service, the main soil component in the general area of the Site is Tranquillity, which has a surface soil texture of clay, very slow infiltration rates and is somewhat poorly drained.

6.3 Surface Water

No surface water was observed onsite or adjacent to the Site.

6.4 Hydrogeology

No specific groundwater data was found for the Site. According to information provided in a prior report for a tract of land that included the Site, perched groundwater may be present beneath the Site as shallow as 5 - 20 feet below ground surface. However, due to ongoing drought conditions, it is anticipated that the first groundwater aquifer may be considerably deeper. The direction of groundwater flow at the Site can be expected to vary locally, but is generally believed to follow the general slope of the surface topography to the east, northeast.

6.5 Flood Zones

According to the EDR report, the Site is not located within a flood zone.

7 SITE RECONNAISSANCE

On December 14, 2016, Mr. Lawrence Browne, a representative of Arcadis, performed a reconnaissance-level assessment of the Site to observe general site conditions and indications of the possible release(s) of chemicals to the subsurface. A walk-over and drive-over site reconnaissance was conducted to identify visible evidence of RECs. Mr. Browne was unaccompanied during the site reconnaissance. Photographs taken during the site reconnaissance are included in **Appendix A**.

7.1 Methodology and Limiting Conditions

Arcadis' representative was granted full access to the Site. The methodology for the site visit included walking/driving and observing the entire site. Due to the size of the Site, some areas were inspected from access roads only.

7.2 General Site Conditions

7.2.1 Site Observations

The approximately 640-acre, square-shaped site consists of agricultural land recently planted with wheat seeds. The Site is farmed by a farmer that leases the land from Westlands Water District. The Site is not irrigated. However, there are remnant irrigation features and concrete standpipes throughout the Site, mainly aligned in an east/west direction along the northern and southern boundaries and in the center of the Site. Farm-related features observed along the Site's west boundary include an open-end storage structure that currently contains pallets of wheat seeds and some old or spare tires. Minor surface staining was observed on the concrete floor of the storage structure and is considered a *de minimis* condition. Numerous tires and an empty rusted drum were stored along the exterior of the structure.

Five rusted and unused grain silos are located south of the storage structure. An underground chamber with a concrete floor is associated with the silos and was filled with dead vegetation and non-hazardous debris. There are doors that access the interior of the silos; some of the silos contain non-hazardous debris and evidence of possible use by trespassers.

Evidence of surface burning, a burn pit, and a pile of treated lumber and concrete pipes are located west of the storage structure near S. Ohio Avenue. In addition, small piles of non-hazardous debris were observed throughout the area occupied by the farm structures. No obvious concerns other than housekeeping issues were observed. However, soil samples were collected from the area of farm features and throughout the Site and the analytical results have been submitted under separate cover. The findings of the Phase II soil sampling investigation did not identify environmental concerns for the Site.

Markers along the eastern site boundary indicate the presence of an underground natural gas pipeline running north-south along S. Derrick Avenue. The owner of the pipe is identified as Pacific Gas & Electric (PG&E). Adjacent to the southeast corner of the Site is an enclosure identified as Gill Ranch Storage, Jensen Road MLBV. Internet research indicates that Gill Ranch is located approximately 25 miles west of Fresno. During the 1980s and 1990s, producers extracted natural gas from Gill Ranch. Currently, Gill

Ranch Storage uses the dry underground reservoirs on the ranch for the storage of natural gas. Gill Ranch Storage includes a 27-mile, 30-inch pipeline that links the facility to PG&E's mainline transmission system north of Panoche, California. According to a map in **Appendix F**, this is the pipeline that is within an easement along the Site's eastern boundary. Any concerns with the pipeline would be the responsibility of PG&E.

7.2.2 Hazardous Substances and Petroleum Products in Connection with Identified Uses

No hazardous substances or petroleum products were observed onsite.

7.2.3 Storage Tanks

Arcadis did not observe ASTs at the Site except for unused grain silos at the farm area along the western boundary. No evidence of USTs, such as dispensers, pipes, or vent lines, was observed on the Site.

7.2.4 Odors

No odors that would indicate an environmental concern were noted on the Site.

7.2.5 Pools of Liquid

No readily visible standing surface water, pools, or sumps containing liquids likely to be hazardous substances or petroleum products were identified during this assessment.

7.2.6 Drums

No drums were observed onsite other than an empty rusted drum. No staining was observed beneath the drum.

7.2.7 Hazardous Substances and Petroleum Product Containers (Not Necessarily in Connection with Identified Uses)

No hazardous substances or petroleum products were observed onsite.

7.2.8 Unidentified Substance Containers

No opened or damaged containers with unidentified contents suspected of being hazardous substances or petroleum products were observed on site. However, one unlabeled, open container with a slight amount of oily material at the bottom was observed within the storage structure.

7.2.9 PCBs

No electrical or hydraulic equipment known to contain polychlorinated biphenyls (PCBs) or likely to contain PCBs was identified onsite during this assessment.

Several pole-mounted electrical transformers are present on and near the Site. The electrical poles and transformers are owned and maintained by PG&E and any concerns with the transformers would be the responsibility of PG&E. No evidence of releases or staining was observed on or beneath the transformers.

7.2.10 Pits, Ponds, or Lagoons

During the site visit, Arcadis' representative looked for pits, ponds, or lagoons on the Site. Arcadis' representative also looked for pits, ponds, and lagoons on adjoining properties to the extent that such features could be visually and/ or physically observed from the Site or identified in the interviews or records review. No such features were identified on or near the Site.

7.2.11 Stained Soil or Pavement

During the site visit, Arcadis' representative did not observe areas of stained soil or pavement.

7.2.12 Stressed Vegetation

During the site visit, Arcadis' representative looked for areas of stressed vegetation (other than from lack of water). No areas of stressed vegetation were observed during this assessment.

7.2.13 Solid Waste

During the site visit, Arcadis looked for areas that were apparently filled or graded by non-natural causes (or filled with material of unknown origin) that suggest the presence of trash construction debris, demolition debris, or other solid waste disposal, or mounds or depressions suggesting trash or other solid waste disposal. No such areas were observed other than the burn pit.

7.2.14 Wastewater

During the site visit, Arcadis looked for wastewater or other liquids (including storm water) or discharges into a drain, ditch, underground injection system, or stream on or adjacent to the Site. There is no process wastewater discharged on site.

7.2.15 Wells

During the site visit, Arcadis looked for wells, including dry wells, irrigation wells, injection wells, monitoring wells, abandoned wells, oil wells, or other wells. No wells were identified onsite. The Site is not irrigated.

7.2.16 Septic Systems

During the site visit, Arcadis looked for indications of on-site septic systems or cesspools. No septic systems or cesspools were observed.

7.2.17 Heating / Cooling

The Site is not developed with livable structures; therefore, heating and cooling systems were not evaluated for this assessment.

7.2.18 Stains or Corrosion

Arcadis did not observe any areas of significant staining or corrosion during this site assessment.

7.2.19 Drains or Sumps

Arcadis did not observe any drains or sumps during this site assessment.

8 INTERVIEWS

8.1 Interview with Site Contacts

Arcadis' representative interviewed Mr. Sanchez with Westlands Water District and relevant information has been provided throughout this report. Mr. Sanchez stated that there is no fuel, pesticides or agricultural chemicals stored on the Site.

9 FINDINGS AND CONCLUSIONS

Arcadis has performed a Phase I ESA in accordance with the ASTM International E1527-13 Standard Practice for Site Assessments: Phase I Environmental Site Assessment Process. Limitations or deviations from this practice are described in Section 1.4 of this report. The findings identified by Arcadis are summarized below and discussed in greater detail in the body of the report.

9.1 Recognized Environmental Conditions

No RECs were identified in connection with the Site.

9.2 Controlled Recognized Environmental Conditions

No CRECs were identified in connection with the Site.

9.3 Historical Recognized Environmental Conditions

No HRECs were identified in connection with the Site.

9.4 *De Minimis* Conditions

The following *de minimis* conditions were identified in connection with the Site:

- A survey for ACMs should be conducted prior to the demolition or removal of the storage structure and silos.
- Any remnant irrigation pipelines uncovered during future site development should be assessed for Transite™ asbestos prior to crushing and/or offsite disposal.
- It is likely future development plans will require a setback from the PG&E natural gas pipeline easement.

9.5 Conclusions

Arcadis has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E1527-13 for Phase I ESAs. This assessment has revealed no evidence of RECs in connection with the Site, and no further investigation is recommended at this time.

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. This evaluation was intended to reduce, but not eliminate uncertainty in RECs.

10 DATA GAPS

Questionnaires completed by past site owners/occupants were not provided to Arcadis. In addition, the interval between aerial photographs and topographic maps exceeds 5 years. These limiting factors represent data gaps. Based on information obtained by Arcadis during our review of historical sources and observation of site conditions during our visit, the lack of completed questionnaires and additional photographs and maps would not appear to be significant and we do not anticipate that the information that could be obtained from these sources would change the conclusions of this report. Pertinent data, if any, obtained by First Solar following the issuance of this report should be reviewed by an environmental professional and an addendum should be prepared to present an evaluation of the data and any changes to the conclusions of this report, as warranted by the data.

11 ENVIRONMENTAL PROFESSIONALS STATEMENT

The environmental assessment described herein was conducted by the undersigned employees of Arcadis. Arcadis' assessment consisted solely of the activities described in the Introduction of this Report, and in accordance with the ASTM E1527-13 guidelines for Phase I Environmental Site Assessments signed prior to initiation of the assessment, as applicable.

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 Code of Federal Regulations (CFR) 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. *

Report Prepared By:

January 13, 2017

Janet Holtz
Principal Scientist

Date

*A professional geologist's or environmental professional's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

12 REFERENCES

ASTM International. 2013. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-13.

BSK. 2003. *Limited Phase I ESA Report, 31,500 Acres of Farmland within the Westlands Water District, Fresno County, CA.* August 19.

BSK. 2004. *Addendum to Limited Phase I ESA Report, 22,627 Acres of Farmland, Phase 3 and 4 Properties within the Westlands Water District, Fresno County, CA*. August 18.

Environmental Data Resources, Inc. (EDR). 2016. Radius Map Report with GeoCheck. Inquiry # 4804859.2s. December 13.

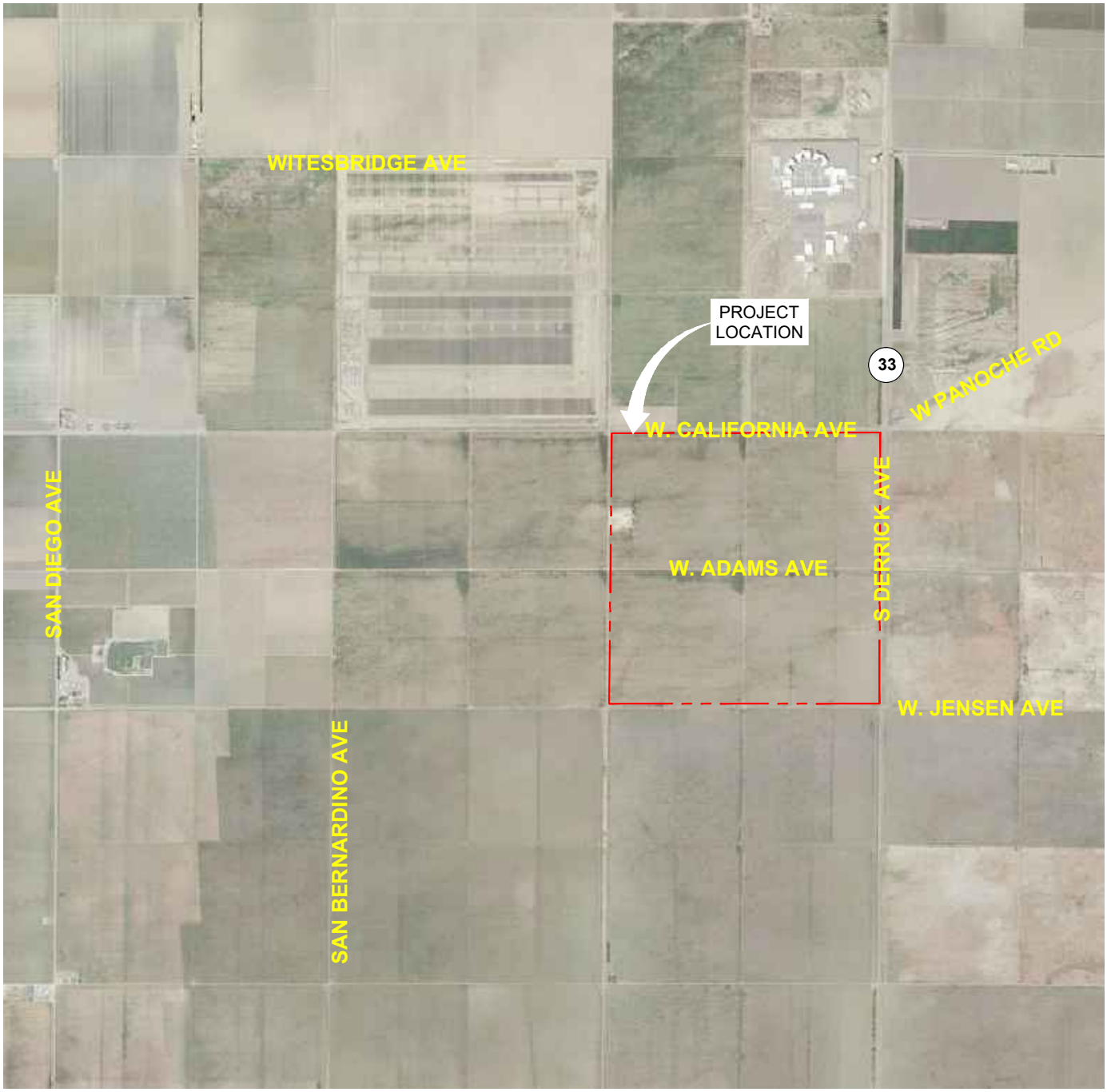
EDR. 2016. Historical Topographic Map Report. December 13.

EDR. 2016. Aerial Photo Decade Package. December 13.

EDR. 2016. LienSearch Report. December 21

Google Earth. 2015.

FIGURES



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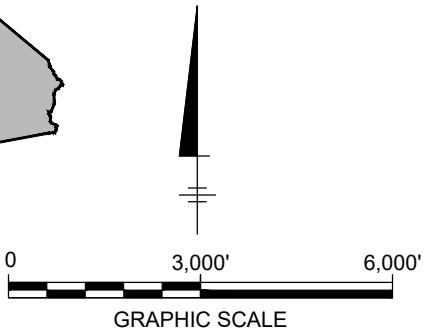


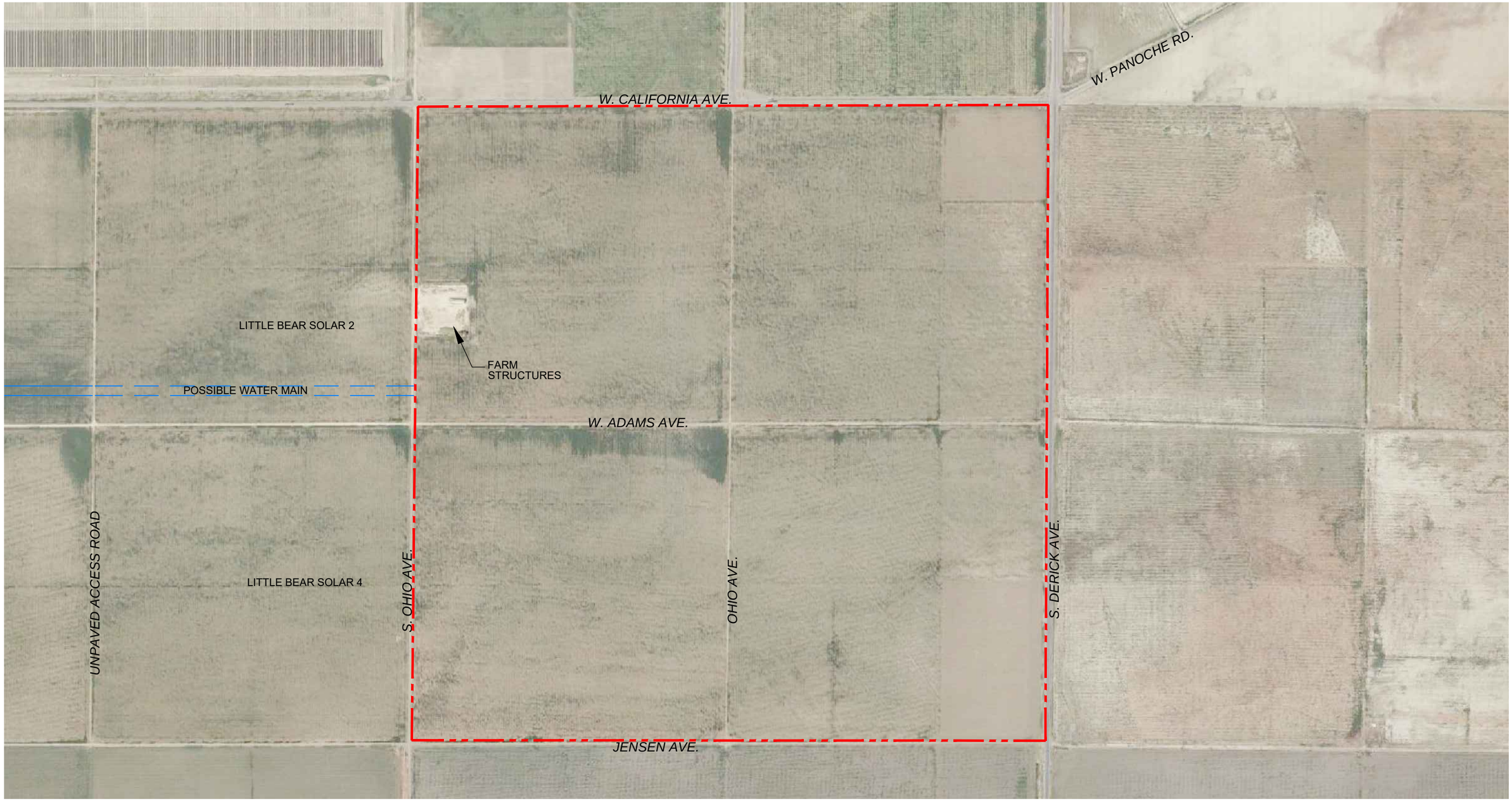
FIRST SOLAR
LITTLE BEAR EXPANSION PROJECT
MENDOTA, CALIFORNIA
PHASE I ESA

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: IRVINE DIV/GROUP: ENVCAD DB: E. MURESAN PM: J. HOLTZ
C:\ENVCAD\IRVINE\ACT\CO0047\0025\00001\Little Bear Expans\CO002047.0025.00001 Site - Phase 1.dwg LAYOUT: 1 SAVED: 12/22/2016 4:55 PM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/22/2016 4:55 PM BY: MURESAN, ELENA



MAP SOURCE: Google Earth Pro 2016, 36,71272726, -120.396403

LEGEND:

PROPERTY BOUNDARY

0 800' 1,600'

GRAPHIC SCALE

FIRST SOLAR
LITTLE BEAR EXPANSION PROJECT
MENDOTA, CALIFORNIA
PHASE I ESA

SITE PLAN

ARCADIS

FIGURE
2

CITY:COSTA MESA DIV/GROUP:ENVCAD DB:ENVCAD
C:\ENVCAD\IRVINE\ACT\CO0020470025\00001\Little Bear Expans\CO0020470025.00001 Site - Phase 1.dwg LAYOUT: 2 SAVED: 12/22/2016 4:56 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/22/2016 4:56 PM BY: MURESAN, ELENA

APPENDIX A

Site Photographs

Photograph #1

Description of Photograph:
View of northwest corner of Site looking south along S. Ohio Avenue. Former farm structures are visible in the distance.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #2

Description of Photograph:
View of northwest corner of Site looking east along West California Avenue. Inactive irrigation infrastructure in foreground.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #3

Description of Photograph:
View of northern adjacent property – Federal Correctional Institute – Mendota. Main entrance off W. California Ave.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #4

Description of Photograph:
View of abandoned irrigation structure in north central portion of site, looking west along W. California Ave.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #5

Description of Photograph:
View of northeast corner of site looking south towards Derrick Ave. with abandoned irrigation features in the foreground.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #6

Description of Photograph:
Close-up view of buried underground gas line warning sign at northeast corner of site looking south along Derrick Ave.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #7

Description of Photograph:
View of southeast corner of site looking north along Derrick Ave. Mendota FCI in the background. Note the twin transformers on the power pole (new condition with no obvious signs of a release).

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #8

Description of Photograph:
Eastern adjacent property looking north along Derrick Ave. Property is not currently being farmed.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #9

Description of Photograph:
View of offsite Gill Ranch Storage Jensen Road MBLV natural gas storage facility at the northeast corner of the intersection of S. Derrick Ave & W. Jensen Ave.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #10

Description of Photograph:
Close up of the interior of the Gill Ranch Storage natural gas storage facility compound.
http://gillranchstorage.com/
View to the northeast with fallow farm land in the background.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #11

Description of Photograph:
View of southern adjacent property (fallow farm land) looking west along W. Jensen Avenue.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #12

Description of Photograph:
View of southwest corner of the site looking north towards the former farm. Little Bear 4 is to the west. Former irrigation features in the foreground.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #13

Description of Photograph:
View of south central portion of Site looking west at former irrigation features. The concrete pit adjacent to the vehicle contains burned animal bones.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #14

Description of Photograph:
Concrete pit containing burned animal bones.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #15

Description of Photograph:
View of interior of storage structure that is open on the east and west ends. View looking east. There are currently 7 pallets of wheat seed and 12 tractor tires inside the structure.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #16

Description of Photograph:
View of the south side of the storage structure. One empty unlabeled 55-gallon drum and stacks of used car tires are visible. Nothing is stored on the north side of the structure. Sample location SB-1 is located adjacent to the 55-gallon drum.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #17

Description of Photograph:
North side of grain silos looking southwest. Note burn area to the right of the silos.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #18

Description of Photograph:
South side of grain silos looking northeast.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #19

Description of Photograph:
Burn area immediately north of grain silos at former farm. Sample location SB-3 is located inside the burn area.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

Photograph #20

Description of Photograph:
Treated lumber and concrete pipe stored along southern property line of former farm.

Site Location:
Little Bear Expansion Project
Fresno County, CA

Photograph Taken By:
Lawrence Browne

Date of Photograph:
December 14, 2016

APPENDIX B

User Questionnaire/Lien Report/Title Report

User Questionnaire
Required by ASTM Standard E1527-13

ARCADIS Design & Consultancy for natural and built assets

Site Name and Address: _____

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).
Did a review of land title records (or judicial records where appropriate) identify any environmental cleanup liens that are filed or recorded against the property under federal, tribal, state or local law? Yes ☐ No ☑

(2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.2(a)(1)(v) and (vi)).
Did a review of land title records (or judicial records where appropriate) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state or local law? Yes ☐ No ☑

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?
Yes ☐ No ☑

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for this reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? Yes ☑ No ☐

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).
Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the *property*? Yes ☑ No ☐

(b.) Do you know of specific chemicals that are present or once were present at the *property*?
Yes ☐ No ☑

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?
Yes ☐ No ☑

(d.) Do you know of any environmental cleanups that have taken place at the *property*?
Yes ☐ No ☑

(6.) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
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 ☐ No ☑

Israel Sanchez	Israel Sanchez	12/14/16
Printed Name	Signature	Date

If you answered yes to any question above, please provide explanation on separate sheet.

ARCADIS

User Questionnaire
Required by ASTM Standard E1527-13

Site Name and Address: __Little Bear – Section 13 – APNS 019-110-06ST & 019-110-13ST

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).
Did a review of land title records (or judicial records where appropriate) identify any environmental cleanup liens that are filed or recorded against the property under federal, tribal, state or local law? Yes ☐ No [x]

(2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.2(a)(1)(v) and (vi)).
Did a review of land title records (or judicial records where appropriate) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state or local law? Yes ☐ No [x]

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?
Yes ☐ No [x]

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for this reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? Yes [x] No ☐

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).
Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the *property*? Yes [x] No ☐
Farming – Cotton and Tomatoes

(b.) Do you know of specific chemicals that are present or once were present at the *property*?
Yes ☐ No [x]

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?
Yes ☐ No [x]

(d.) Do you know of any environmental cleanups that have taken place at the *property*?
Yes ☐ No [x]

(6.) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
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 ☐ No [x]

Lien Dinh
_____ _____ __Jan 3, 2017_____
Printed Name Signature Date

If you answered yes to any question above, please provide explanation on separate sheet.

Little Bear Expansion Project
SWC of W. California Avenue & S. Derrick Avenue
Mendota, CA 93640

Inquiry Number: 4804859.7S
December 21, 2016

EDR Environmental Lien and AUL Search

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

EDR Environmental Lien and AUL Search

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

LITTLE BEAR EXPANSION PROJECT
SWC OF W. CALIFORNIA AVENUE & S. DERRICK AVENUE
MENDOTA, CA 93640

RESEARCH SOURCE

Source 1: Recorder
Fresno County, California

Source 2: Assessor
Fresno County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: Westlands Water District, a public agency

Title received from: Rick Blanchard, who also acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who also acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated 02/21/2002

Deed Dated: 09/28/2004

Deed Recorded: 10/04/2004

Instrument: 221852

Legal Description: All that certain piece or parcel of land being the Northwest Quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, situate and lying in the County of Fresno, State of California.

Legal Current Owner: Westlands Water District, a public agency

Property Identifiers: 019-110-06ST

Deed 2:

Type of Deed: Grant Deed

Title is vested in: Westlands Water District, a public agency

Title received from: Rick Blanchard, who also acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who also acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated 02/21/2002

Deed Dated: 09/28/2004

Deed Recorded: 10/04/2004

Instrument: 221852

Legal Description: All that certain piece or parcel of land being the East Half and the Southwest Quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, situate and lying in the County of Fresno, State of California.

Legal Current Owner: Westlands Water District, a public agency

Property Identifiers: 019-110-13ST

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

DEED EXHIBIT

RECORDING REQUESTED BY

Chicago Title Company FBO

AND WHEN RECORDED MAIL THIS DEED AND, UNLESS OTHERWISE SHOWN BELOW, MAIL TAX STATEMENT TO:

Name Westlands Water District
Street Address P.O. Box 6056
City & State Zip Fresno, CA. 93703-6056

Title Order No. _____ Escrow No 5633442-SCF

FRESNO County Recorder
Robert C. Werner
DOC- 2004-0221852
Acct 2-Chicago Title Company
Monday, OCT 04, 2004 08:00:00
Ttl Pd $0.00 Nbr-0001615033
APR/R1/1-10

SPACE ABOVE THIS LINE FOR RECORDER'S USE

T 355 Legal (2-94)

Grant Deed

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
DOCUMENTARY TRANSFER TAX IS $ exempt
☒ _____ unincorporated area ☐ City of _____
Parcel No. ~~019-050-19s,48s,~~55s,56s,59s; 019-110-03s,04s,05s, 06s, 13s
☐ computed on full value of interest or property conveyed, or
☐ computed on full value less value of liens or encumbrances remaining at time of sale, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, AS SET FORTH AT GRANTOR EXHIBIT ATTACHED HERETO AND MADE A PART HEREOF

hereby GRANT(S) to WESTLANDS WATER DISTRICT, a public agency

the following described real property in the county of Fresno, state of California:

AS DESCRIBED AT EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

Dated September 28, 2004

SEE SIGNATURE PAGE ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

STATE OF CALIFORNIA
COUNTY OF _____ } S.S.
On _____ before me,
_____
a Notary Public in and for said County and State, personally appeared
_____
_____
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature _____

(This area for official notarial seal)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE; IF NO PARTY SHOWN, MAIL AS DIRECTED ABOVE

Name | Street Address | City & State

GRANTOR EXHIBIT

RICK BLANCHARD, who also acquired title as ERIC BLANCHARD, and ALLISON BLANCHARD, husband and wife; DARRELL LOUIS SILVEIRA, an unmarried man, who also acquired title as DARRELL SILVEIRA, a single man; and DUDLEY J. SILVEIRA and CHARLOTTE J. SILVEIRA, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated February 21, 2002;

SIGNATURE PAGE

RICK ~~BLANCHARD~~ BLANCHARD

ALLISON BLANCHARD

DARRELL LOUIS SILVEIRA

DUDLEY J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

CHARLOTTE J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

3

STATE OF CALIFORNIA,

COUNTY OF Fresno } S.S.

On September 30, 2004, before me, Suzanne C. Ford, a Notary Public in and for said County and State, personally appeared Richard Blanchard, Allison Blanchard, Darrell Louis Silveira, Dudley J. Silveira and Charlotte J. Silveira

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

FOR NOTARY SEAL OR STAMP

SUZANNE C. FORD
COMM. #1320407
NOTARY PUBLIC - CALIFORNIA
FRESNO COUNTY
My Comm. Expires Oct. 6, 2005

WITNESS my hand and official seal.

Signature

STATE OF CALIFORNIA,

COUNTY OF _____ } S.S.

On _____, before me, _____, a Notary Public in and for said County and State, personally appeared _____

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

FOR NOTARY SEAL OR STAMP

WITNESS my hand and official seal.

Signature _____

TE 160 Legal (2-94)

This form is furnished by **Chicago Title Company**

EXHIBIT A

PARCEL 1:

The East half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPT THEREFROM that portion described as follows:

BEGINNING at the Southeast corner of said Section 12 and running thence North along the East line of the Section a distance of 150 feet to a point; thence Westerly and parallel to the South line of the Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of the Section a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM all oil, gas and other hydrocarbon substances as reserved in the Deed from Capital Company, a corporation, dated February 24, 1942, recorded March 10, 1942 in Book 1993 Page 428 of Official Records, Document No. 9937.

PARCEL 1A:

BEGINNING at the Southeast corner of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof, and running thence North along the East line of said Section, a distance of 150 feet to a point; thence Westerly and parallel to the South line of said Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of said Section, a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and

thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-59s

PARCEL 2:

The West half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Luie M. Christopher, also known as Louie M. Christopher, also known as L. M. Christopher and Effie A. Christopher, his wife, to Arne Jalonen and Ramona S. Jalonen, husband and wife, as joint tenants, recorded January 7, 1952 in Book 3106 Page 60 of Official Records, Document No. 679;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-19s

PARCEL 3:

The Northeast quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Floyd A. Jury and Edna Genevieve Fleharty to Jesse Durham, dated April 4, 1945, filed for record April 26, 1945 in Book 2248 Page 225 of Official Records, Document No. 16735.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-05s

PARCEL 4:

The Northwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and minerals, as reserved in the Deed from California Lands, Inc., (now Capital Company, a corporation), dated January 29, 1930, recorded in Book 1064 Page 40 of Official Records, Document No. 5336;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-06s

PARCEL 5:

The East half and the Southwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM the following described property:

That portion of the East half of the East half of said Section 13, described as follows:

Beginning at the Southeast corner of said Section, said Southeast corner being at Coordinates Y=502467.210 feet and X=1593586.361 feet; thence (1) along the South line of said Section, North 89° 16' 19" West, 101.65 feet; thence (2) North 61° 26' 58" East 82.73 feet to the West line of the East 30 feet of said Section; thence (3) along said West line, North 1° 26' 58" East, 5195.14 feet; thence (4) North 43° 33' 02" West 70.72 feet to the South line of the North 30 feet of said Section; thence (5) North 1° 26' 46" East 30.00 feet to the North line of said Section; thence (6) along last said North line, South 89° 20' 02" East 80.01 feet to the East line of said Section; thence (7) along said East line, South 1° 26' 58" West 5316.32 feet to the point of beginning.

ALSO EXCEPTING THEREFROM one-half of all oil, gas and minerals, as reserved in the deed from Pearl Bartlett Adams to K. Henry Kruse and Lydia S. Kruse, husband and wife, as joint tenants, dated November 5, 1951, recorded November 23, 1951, in Book 3091 Page 328 of Official Records, Document No. 61397;

ALSO EXCEPTING THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals therein and thereunder, together with all easements ad rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon; as reserved in the deed from John Berkovich, also known as John J. Berkovich and Mary L. Berkovich, husband and wife, to Manuel J. Silveira and Elsie M. Silveira, husband and wife, as joint tenants, dated March 30, 1959, recorded April 15, 1959, in Book 4207 Page 697 of Official Records, Document No. 27494;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals as reserved in the deed from Manuel J. Silveira and Elsie M. Silveira to Edgar A. Wilkins and Evelyn Wilkins, husband and wife, dated September 20, 1962, recorded October 17, 1962, in Book 4775 Page 347 of Official Records, Document No. 79533;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals lying in and under said land, as reserved by Edgar A. Wilkinss by deed recorded March 20, 1968, in bk 555549 Page 456 of Official Records, Document No. 20329.

APN: 019-110-13s

PARCEL 6:

The North 1242.71 feet (measured at right angles) of the West half of the Southwest quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

APN: 019-050-48s

PARCEL 7:

The Northwest quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPTING THEREFROM an undivided 1/8 interest in and to all oil, gas, minerals and other hydrocarbon substances lying in and under the above described property, as reserved in the deed recorded March 15, 1967.

APN: 019-110-04s

PARCEL 8:

The South half of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM an undivided 2/25ths interest in and to the oil, gas and other minerals within or underlying said property.

ALSO EXCEPTING THEREFROM an undivided 50% of Grantor's interest in and to all oil, gas, minerals, hydrocarbon substances and available mineral rights in and under said land, as reserved in the deed from Anita M. Whiting, formerly Anita Arnaudon Salter, recorded December 15, 1983, as Document No. 83117333.

APN: 019-110-03s

PARCEL 9:

Lots 49 to 52, inclusive, Lots 61 to 64, inclusive, Lots 67 and 68, Lots 77 and 78, and Lot E of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records;

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-050-56s

PARCEL 10:

Lots 65, 66, 79 and 80 of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records.

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-05~~6~~5-55s

CERTIFICATE OF ACCEPTANCE

Pursuant to the powers granted by the California Water Code section 35405 and according to the authority granted the General Manager by Westlands Water District Rules and Regulations, this certifies that the interest in real property conveyed by the attached instrument, entitled Grant Deed and dated September 28, 2004 from DARRELL SILVEIRA, ETAL to Westlands Water District, a public agency organized and operated under California Water Code section 34000 et seq., is hereby accepted by the undersigned Secretary on behalf of the Board of Directors of Westlands Water District, and the District hereby consents to recordation of the attached instrument.

Date: September 28, 2004

By: _____
Dave Ciapponi
Secretary

10

ALTA PLAIN LANGUAGE COMMITMENT FOR TITLE INSURANCE

Issued By:

Fidelity National Title Insurance Company

Commitment Number:

FFOM-TO16000597
Amendment A

INFORMATION

The Title Insurance Commitment is a legal contract between you and the Company. It is issued to show the basis on which we will issue a Title Insurance Policy to you. The Policy will insure you against certain risks to the land title, subject to the limitations shown in the Policy.

The Company will give you a sample of the Policy form, if you ask.

The Policy contains an arbitration clause. All arbitrable matters when the Amount of Insurance is $2,000,000 or less shall be arbitrated at the option of either the Company or you as the exclusive remedy of the parties. You may review a copy of the arbitration rules at http://www.alta.org/.

The Commitment is based on the land title as of the Commitment Date. Any changes in the land title or the transaction may affect the Commitment and the Policy.

The Commitment is subject to its Requirements, Exceptions and Conditions.

THIS INFORMATION IS NOT PART OF THE TITLE INSURANCE COMMITMENT. YOU SHOULD READ THE COMMITMENT VERY CAREFULLY.

If you have any questions about the Commitment, contact:

Fidelity National Title Company
2540 West Shaw Lane, #112 , Fresno, CA 93711
(559)492-4208
Title Number: FFOM-TO16000597

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AMERICAN LAND TITLE ASSOCIATION

AGREEMENT TO ISSUE POLICY

We agree to issue policy to you according to the terms of the Commitment. When we show the policy amount and your name as the proposed insured in Schedule A, this Commitment becomes effective as of the Commitment Date shown in Schedule A.

If the Requirements shown in this Commitment have not been met within ninety (90) days after the Commitment Date, our obligation under this Commitment will end. Also, our obligation under this Commitment will end when the Policy is issued and then our obligation to you will be under the Policy.

Our obligation under this Commitment is limited by the following:

The Provisions in Schedule A.
The Requirements in Schedule B-I.
The Exceptions in Schedule B-II.
The Conditions.

This Commitment is not valid without SCHEDULE A and Sections I and II of SCHEDULE B.

IN WITNESS WHEREOF, the Company has caused this Commitment to be signed and sealed, to become valid when countersigned by an authorized officer or agent of the Company, all in accordance with its By-Laws. This Commitment is effective as of the date shown in Schedule A as “Commitment Date.”

Fidelity National Title Insurance Company

By:

President

Countersigned By:

Authorized Officer or Agent

Attest:

Secretary

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ISSUING OFFICE:	FOR SETTLEMENT INQUIRIES, CONTACT:
Title Officer: Laura Marquez Fidelity National Title Company 2540 West Shaw Lane, #112 Fresno, CA 93711 Phone: (559)492-4217 Fax: (559)448-8530 Main Phone: (559)492-4208 Email: lmarquez@fnf.com	Fidelity National Title Insurance Company 485 Lexington Avenue, 18th Floor New York, NY 10017

SCHEDULE A

ORDER NO. FFOM-TO16000597

1. Commitment Date: May 2, 2016 at 07:30 AM
2. Policy (or Policies) to be issued:

   (a) CLTA Standard Coverage Policy 1990 (04-08-14)
   Policy Amount: To Be Determined
   Proposed Insured: TBD

3. A Fee interest in the land described in this Commitment is owned, at the Commitment Date, by

   Westlands Water District

4. The land referred to in the Commitment is described as follows:

   SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

END OF SCHEDULE A

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EXHIBIT "A"

Legal Description

For APN/Parcel ID(s): 019-110-06ST and 019-110-13ST

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE UNINCORPORATED AREA IN COUNTY OF FRESNO, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

PARCEL 1: APN: 019-110-06ST

The Northwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

Except therefrom an undivided one-half interest in and to all oil, gas and minerals, as reserved in the Deed from California Lands, Inc., (now Capital Company, a corporation), dated January 29, 1930, recorded in Book 1064 Page 40 of Official Records, Document No. 5336;

Also except therefrom an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

PARCEL 2: APN: 019-220-13ST

The East half and the Southwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM the following described property:

That portion of the East half of the East half of said Section 13, described as follows:

Beginning at the Southeast corner of said Section, said Southeast corner being at Coordinates Y=502467.210 feet and X=1593586.361 feet; thence (1) along the South line of said Section, North 89° 16' 19" West, 101.65 feet; thence (2) North 61° 26' 58" East 82.73 feet to the West line of the East 30 feet of said Section; thence (3) along said West line, North 1° 26' 58" East, 5195.14 feet; thence (4) North 43° 33' 02" West 70.72 feet to the South line of the North 30 feet of said Section; thence (5) North 1° 26' 46" East 30.00 feet to the North line of said Section; thence (6) along last said North line, South 89° 20' 02" East 80.01 feet to the East line of said Section; thence (7) along said East line, South 1° 26' 58" West 5316.32 feet to the point of beginning.

ALSO EXCEPTING THEREFROM one-half of all oil, gas and minerals, as reserved in the deed from Pearl Bartlett Adams to K. Henry Kruse and Lydia S. Kruse, husband and wife, as joint tenants, dated November 5, 1951, recorded November 23, 1951, in Book 3091, Page 328 of Official Records, Document No. 61397;

ALSO EXCEPTING THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals therein and thereunder, together with all easements ad rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the

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EXHIBIT "A"

Legal Description

said real property and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon; as reserved in the deed from John Berkovich, also known as John J. Berkovich and Mary L. Berkovich, husband and wife, to Manuel J. Silveira and Elsie M. Silveira, husband and wife, as joint tenants, dated March 30, 1959, recorded April 15, 1959, in Book 4207, Page 697 of Official Records, Document No. 27494;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals as reserved in the deed from Manuel J. Silveira and Elsie M. Silveira to Edgar A. Wilkins and Evelyn Wilkins, husband and wife, dated September 20, 1962, recorded October 17, 1962, in Book 4775, Page 347 of Official Records, Document No. 79533;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals lying in and under said land, as reserved by Edgar A. Wilkinss by deed recorded March 20, 1968, in Book 5549, Page 456 of Official Records, Document No. 20329.

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SCHEDULE B - SECTION I
REQUIREMENTS

The following requirements must be met:

1. Pay the agreed amounts for the interest in the land and/or the mortgage to be insured.

2. Pay us the premiums, fees and charges for the policy.

3. Documents satisfactory to us creating the interest in the land and/or the mortgage to be insured must be signed, delivered and recorded.

4. You must tell us in writing the name of anyone not referred to in this Commitment who will get an interest in the land or who will make a loan on the land. We may then make additional requirements or exceptions.

1. Note: The name(s) of the proposed insured(s) furnished with this application for title insurance is/are:

   No names were furnished with the application. Please provide the name(s) of the buyers as soon as possible.

2. The requirement that the complete and correct name(s) of the buyer(s) in this transaction be submitted to the Title Department at least 5 days prior to the close of Escrow.

3. Note: Property taxes for the fiscal year shown below are PAID. For proration purposes the amounts were:

   Tax ID No.: 019-110-06
   Fiscal Year: 2015-2016
   1st Installment: $16.51
   2nd Installment: $16.51
   Exemption: $0.00
   Land: $0.00
   Improvements: $0.00
   Personal Property: $0.00
   Code Area: 140-006

   Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.

   Affects: Parcel 1

4. Note: Property taxes for the fiscal year shown below are PAID. For proration purposes the amounts were:

   Tax ID No.: 019-110-13
   Fiscal Year: 2015-2016
   1st Installment: $16.80
   2nd Installment: $16.80
   Exemption: $0.00
   Land: $0.00
   Improvements: $0.00
   Personal Property: $0.00
   Code Area: 140-006

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SCHEDULE B - SECTION I
REQUIREMENTS
(continued)

Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.

Affects: Parcel 2

5. Note: There are NO conveyances affecting said Land recorded within 24 months of the date of this report.

6. Your application for title insurance was placed by reference to only a street address or tax identification number. Based on our records, we believe that the legal description in this report covers the parcel(s) of Land that you requested. If the legal description is incorrect, the seller/borrower must notify the Company and/or the settlement company in order to prevent errors and to be certain that the correct parcel(s) of Land will appear on any documents to be recorded in connection with this transaction and on the policy of title insurance.

7. If a county recorder, title insurance company, escrow company, real estate broker, real estate agent or association provides a copy of a declaration, governing document or deed to any person, California law requires that the document provided shall include a statement regarding any unlawful restrictions. Said statement is to be in at least 14-point bold face type and may be stamped on the first page of any document provided or included as a cover page attached to the requested document. Should a party to this transaction request a copy of any document reported herein that fits this category, the statement is to be included in the manner described.

8. Any documents being executed in conjunction with this transaction must be signed in the presence of an authorized Company employee, an authorized employee of an agent, an authorized employee of the insured lender, or by using Bancserv or other approved third-party service. If the above requirements cannot be met, please call the company at the number provided in this report.

END OF SCHEDULE B - SECTION I

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SCHEDULE B - SECTION II
EXCEPTIONS

Any policy we issue will have the following exceptions unless they are taken care of to our satisfaction.

THE FOLLOWING EXCEPTIONS AFFECT PARCEL 1 DESCRIBED HEREIN:

1. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2016-2017.

   Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.

2. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

3. Taxes and assessments levied by the Westlands Water District.

   Amounts are unavailable at this time. A report has been ordered and the Company reserves the right to add additional items or make further requirements after review of the requested report.

4. An easement for the purpose shown below and rights incidental thereto as set forth in a document

   Granted to: County of Fresno
   Purpose: Public road
   Recorded: October 29, 1915, in Book 594, Page 80, of Deeds
   Affects: The North 30 feet, the West 30 feet and the East 20 feet

5. Rights of way for public roads over the North and West 30 feet of said land as provided in the Agreement by and between O. W. Stearns, Anna Stearns, S. L. Heisinger and Lena F. Heisinger, dated October 20, 1906, recorded in Book 53, Page 212, of Covenants.

6. Matters contained in that certain document

   Dated: March 4, 1942
   Executed by: Capital Company, successor to California Lands, Inc., and Luie M. Christopher, also known as L. M. Christopher and Effie A. Christopher, his wife
   Entitled: Agreement
   Recorded: March 10, 1942, as Document No. 9938, in Book 2018, Page 481, of Official Records

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

Among other things, said document provides:

The drilling on said real property for oil, gas or other hydrocarbons, or mining the same for minerals, with provision for compensation to grantee for any damage done to growing crops and improvements.

Reference is made to said document for full particulars.

7. An easement for the purpose shown below and rights incidental thereto as set forth in a document

Granted to: Westlands Water District
Purpose: Water pipelines
Recorded: January 25, 1966, as Document No. 6500, in Book 5268, Page 23, of Official Records
Affects: The North 60 feet of the West 55 feet

All interest of Westlands Water District in said easement has passed to and is now held by United States of America.

8. An easement for the purpose shown below and rights incidental thereto as set forth in a document

Granted to: Westlands Water District
Purpose: Water pipelines
Recorded: April 11, 1975, as Document No. 25050, in Book 6418, Page 521, of Official Records
Affects: Parcel A: That portion of the Northwest quarter of Section 13-14-14 described as follows:

The North 55 feet of said Northwest quarter also the South 20 feet of the North 75 feet of the West 270 feet of said Northwest quarter.

All interest of Westlands Water District in said easement has passed to and is now held by United States of America.

9. 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, at any and all points over, on and through portions of the herein described property as granted to Westlands Water District by Contract and Grant of Easement,

Recorded: April 11, 1975, as Document No. 25050, in Book 6418, Page 521, of Official Records
Affects: Two Parcels of land in the Northwest quarter of Section 13-14-14, described separately as follows:

Reference is made to said document for full particulars.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

Parcel B: That portion of the South 10 feet of the North 65 feet of said Northwest quarter lying East of the West 270 feet thereof.

Parcel C: The South 10 feet of the North 85 feet of the West 270 feet of said Northwest quarter.

Subject to any conditions contained therein.

All interest of Westlands Water District in said easement has passed to and is now held by United States of America.

10. The terms, covenants, conditions, and limitations in that certain Short Form Land Conservation Agreement

Dated: February 10, 1987
Executed by: County of Fresno and Marchini Farms
Recorded: February 13, 1987, as Document No. 87019153, of Official Records
Affects: Said land and other land

11. Matters contained in that certain document

Entitled: Drainage Easement
Dated: September 28, 2004
Executed by: Rick Blanchard, who acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated February 21, 2002
Recording Date: October 4, 2004
Recording No.: 2004-0221851, of Official Records

Reference is hereby made to said document for full particulars.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

12. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted 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
Purpose:	The exclusive, permanent right to maintain, cause, permit, create, 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.
Recording Date:	October 4, 2004
Recording No.:	2004-0221851, of Official Records
Affects:	Said land and other land

Among other things, said Drainage Easement provides for the following:

Pursuant to this Easement and the Settlement, Owners hereby release, waive, and abandon any and all claims, demands, rights, or causes of action which they have asserted, or could have asserted, against the United States and/or Westlands in the Lawsuit or the Court of Federal Claims Lawsuit arising out of facts alleged in, or relating to the subject matter of, the Lawsuit of the Court of Federal Claims Lawsuit.

13. Matters contained in that certain document

Entitled:	Declaration Of Restrictive Covenant (Nonirrigation Covenant)
Dated:	November 20, 2006
Executed by:	Westlands Water District
Recording Date:	December 21, 2006
Recording No.:	2006-0266516, of Official Records

Reference is hereby made to said document for full particulars.

14. The search did not disclose any open mortgages or deeds of trust of record, therefore the Company reserves the right to require further evidence to confirm that the property is unencumbered, and further reserves the right to make additional requirements or add additional items or exceptions upon receipt of the requested evidence.

15. Any right, interest or claim that may exist, arise or be asserted against the Title under or pursuant to the Perishable Agricultural Commodities Act of 1930, as amended, 7 USC 499a et seq., the Packers and Stockyard Act of 1921, as amended, 7 USC 181 et seq., or any similar state laws.

THE FOLLOWING EXCEPTIONS AFFECT PARCEL 2 DESCRIBED HEREIN:

16. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2016-2017.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.

17. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

18. Taxes and assessments levied by the Westlands Water District.

    Amounts are unavailable at this time. A report has been ordered and the Company reserves the right to add additional items or make further requirements after review of the requested report.

19. An easement for the purpose shown below and rights incidental thereto as set forth in a document

    Granted to: O. W. Stearns and wife
    Purpose: Road purposes
    Recorded: In Book 359, Page 349 of Deeds
    Affects: The North 30 feet of the Northeast quarter of said Section

20. An easement for the purpose shown below and rights incidental thereto as set forth in a document

    Granted to: County of Fresno
    Purpose: Public roads
    Recorded: In Book 591, Page 82, of Deeds
    Affects: The North 30 feet of the Northeast quarter of said Section, the East 30 feet of said Section, and the West 30 feet of the Southwest quarter of said Section.

21. This report is written upon the condition that the various deeds dated June 21, 1954, recorded July 8, 1954, in Book 3468, Page 12, of Official Records, Document No. 40978; and in Book 3468, Page 13, of Official Records, Document No. 40979; and in Book 3468, Page, 14 of Official Records, Document No. 40980, by and between "K" Henry Kruse, Lydia S. Kruse and Molly Poole, purported to reserve an undivided 1/2 interest of all oil, gas and minerals, but actually did in fact reserve only the undivided 1/2 of all oil, gas and minerals previously reserved in the deed from Pearl Bartlett Adams, to K. Henry Kruse and Lydia S. Kruse, husband and wife, as joint tenants, dated November 5, 1951, recorded November 23, 1951, in Book 3091, Page 328, of Official Records, Document No. 61397.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

22. The fact that the ownership of said land does not include any rights of ingress and egress from the freeway adjoining said land on the East except as therein provided, said rights having been relinquished to the State of California by deed from John J. Berkovich and Mary L. Berkovich, husband and wife, dated April 30, 1959, recorded July 10, 1959, in Book 4246, Page 214, of Official Records, Document No. 48665, which said deed recites as follows: This conveyance is made for the purposes of freeway and the grantor hereby releases and relinquishes to the grantee any and all abutters rights of access, appurtenant to grantor's remaining property, in and to said freeway, excepting and reserving, however, to the grantor, his successors or assigns, the right of access to the freeway over and across Course (5) and the Southwesterly 40 feet of Course (2) therein described.

    At the date of said deed the grantor had no record interest in and to said land which abutts and adjoins said freeway on the West, nor has said grantor since acquired any record interest therein.

23. An easement for the purpose shown below and rights incidental thereto as set forth in a document

    Granted to: Pacific Gas & Electric Company
    Purpose: Public Utilities
    Recorded: March 4, 1964, as Document No. 18071, in Book 4973, Page 236 of Official Records
    Affects: The therein described route within the hereinafter described strip of the Southeast quarter of Section 13-14/14, excepting therefrom that portion thereof lying within the boundary line of the parcel of land conveyed by John J. Berkovich and wife to State of California by deed dated April 20, 1959, and recorded in Book 4246 Page 214 of Official Records of Fresno County; the aforesaid strip is described as follows:

    A strip of land of the uniform width of 30 feet acrosssaid lands and lying equally on each side of the linewhich begins at a point in the Westerly boundary line of the parcel of land conveyed by said deed dated April 20, 1959, from which a 2-1/4 inch brass monument (marked Sec. Cor. and marking the Southeast corner of said Section 13) bears South 2° 28-1/2' East 550.9 feet distant and runs thence South 61° 45-1/2' West 1166.0 feet, more or less, to a point in the Southerly boundary line of said Section 13.

    All pipe installed hereunder shall be buried so that the top thereof be at least 60 inches below the normal surface of the ground; an first party shall not erect or construct any building or other structure, or drill or operate any well, or construct any reservoir or other obstruction on said strip, or diminish or substantially add to the ground cover over said pipe lines.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

24. An easement for the purpose shown below and rights incidental thereto as set forth in a document

Granted to:	Westlands Water District
Purpose:	Water pipelines
Recorded:	December 20, 1965, as Document No. 101873, in Book 5253, Page 465, of Official Records
Affects:	The South 45 feet of the Southwest quarter; the North 5 feet of the South 50 feet of the West 411 feet of the Southwest quarter; the North 15 feet of the South 65 feet of the South 75 feet of the Southwest quarter, the South 45 feet of the Southeast quarter; the North 15 feet of the South 60 feet of the West 50 feet of the Southeast quarter, all in Section 13-14/14; except therefrom that portion lying within the land described in the deed to the State of California, recorded July 10, 1959, in Book 4246 Page 214 of Official Records of Fresno County.

All interest of Westlands Water District in said easement has passed to and is now held by United States of America.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

25. An easement for the purpose shown below and rights incidental thereto as set forth in a document

Granted to: Pacific Gas & Electric Company
Purpose: Public Utilities
Recorded: January 11, 1967, as Document No. 2170, in Book 5396, Page 299, Official Records
Affects: That portion of the East half of the East half of **S**ection 13-14/14, described in the deed from Manuel J. Silveira and wife, to Edgar A. Wilkins and wife, dated September 20, 1962, and recorded in Book 4775, Page 347, of Official Records of Fresno County.

The aforesaid strip is described as follows:

1. A strip of land of the uniform width of 20 feet extending from the Southerly boundary line of the County road known as California Avenue and the Southwesterly boundary line of the state highway known as Derrick Avenue Southerly to the Northwesterly boundary line of the strip of land described in the deed from Edgar A. Wilkins and wife to Pacific Gas & Electric Company dated June 27, 1963, and recorded in Book 4973, Page 236, of Official Records, and lying equally on each side of the line which begins at a point in the Southerly boundary line of said California Avenue, from which the Northwest corner of said Section 13 bears North 69° 22-1/2' East 85.8 feet distant, and runs thence South 0° 37' West 2655.2 feet; thence South 44° 23' East 56.6 feet; thence South 0° 37' West 2035 feet, more or less, to a point in the Northwesterly boundary line of the strip of land described in said deed dated June 27, 1963.

2. A strip of land of the uniform width of 10 feet lying contiguous to and Westerly of the Westerly boundary line of the parcel of land described in the deed from John J. Berkovich and wife to the State of California dated April 20, 1959, and recorded in the office of the County Recorder of said County in Book 4246, Page 214, of Official Records, and extending from the Southerly boundary line of said California Avenue Northerly 30 feet, more or less, to the Northerly boundary line of said Section 13.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

26. Covenants and restrictions imposed by a Land Conservation Contract executed pursuant to Section 51200 et seq. California Government Code (Williamson Act) authorizing the establishment of agricultural preserves. The use of the land within the preserve may be restricted by the contract to agricultural, recreational, open-space, and other approved compatible uses.

Dated:	February 21, 1969
Executed by:	Edgar A. Wilkins Ranch, a corporation and the County of Fresno
Recording Date:	February 27, 1969
Recording No.:	14029, Book 5665, Page 732, of Official Records
Affects:	Said land

27. An easement for the purpose shown below and rights incidental thereto as set forth in a document

Granted to:	Westlands Water District
Purpose:	Water pipelines
Recorded:	March 27, 1973, as Document No. 28644, in Book 6144, Page 720 of Official Records
Affects:	The North 60 feet of the Southwest quarter of said Section 13; the North 60 feet of the West 250 feet of the Southeast quarter of said Section 13; that portion of the North 45 feet of said Southeast quarter lying East of the West 250 feet thereof and lying West of the East 80 feet thereof; and that portion of the West 30 feet of the East 110 feet of the Northeast quarter of said Section 13 lying South of the North 65 feet thereof; that portion of the North 55 feet of said Northeast quarter lying West of the East 110 feet thereof; and the North 65 feet of the East 110 feet of said Northeast quarter; BUT EXCEPTING THEREFROM that portion thereof lying within the parcel of land described in the deed to the State of California recorded July 10, 1959, in Book 4246, Page 214 of Fresno County Official Records.

All interest of Westlands Water District in said easement has passed to and is now held by United States of America.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

28. 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, at any and all points over, on and through portions of the herein described property as granted to Westlands Water District by Contract and Grant of Easement,

    Recorded: March 27, 1973, as Document No. 28644, in Book 6144, Page 720, of Official Records
    Affects: That portion of the South 10 feet of the North 65 feet of the Northeast quarter of said Section 13 lying West of the East 110 feet thereof; also that portion of the West 20 feet of the East 130 feet of said Northeast quarter lying South of the North 65 feet thereof.

    Reference is made to said document for full particulars.

    All interest of Westlands Water District in said easement has passed to and is now held by United States of America.

29. An easement for the purpose shown below and rights incidental thereto as set forth in a document

    Granted to: Westlands Water District
    Purpose: Water pipelines
    Recorded: Marvh 7, 1977, as Document No. 22127, in Book 6752, Page 124, Official Records
    Affects: The South 15 feet of the North 75 feet of the Southwest quarter of said Section 13; also the South 15 feet of the North 75 feet of the West 250 feet of the Southeast quarter of said Section 13; that portion of the South 15 feet of the North 60 feet of the Southeast quarter of said Section 13 lying East of the West 250 feet thereof, and lying West of the East 80 feet thereof.

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SCHEDULE B - SECTION II
EXCEPTIONS
(continued)

30. 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, at any and all points over, on and through portions of the herein described property as granted to Westlands Water District by Contract and Grant of Easement,

    Recorded: March 7, 1977, as Document No. 22127, in Book 6752, Page 124 of Official Records
    Affects: That portion of the South half of said Section 13, described as follows:

    The South 20 feet of the North 95 feet of the Southwest quarter of said Section 13; the South 20 feet of the North 95 feet of the West 250 feet of the Southeast quarter of said Section 13; and that portion of the South 20 feet of the North 80 feet of the Southeast quarter lying East of the West 250 feet thereof and lying West of the East 80 feet thereof.

    Reference is made to said document for full particulars.

31. Matters contained in that certain document

    Entitled: Declaration Of Restrictive Covenant (Nonirrigation Covenant)
    Dated: November 20, 2006
    Executed by: Westlands Water District
    Recording Date: December 21, 2006
    Recording No.: 2006-0266516, of Official Records

    Reference is hereby made to said document for full particulars.

32. The search did not disclose any open mortgages or deeds of trust of record, therefore the Company reserves the right to require further evidence to confirm that the property is unencumbered, and further reserves the right to make additional requirements or add additional items or exceptions upon receipt of the requested evidence.

33. Any right, interest or claim that may exist, arise or be asserted against the Title under or pursuant to the Perishable Agricultural Commodities Act of 1930, as amended, 7 USC 499a et seq., the Packers and Stockyard Act of 1921, as amended, 7 USC 181 et seq., or any similar state laws.

END OF SCHEDULE B - SECTION II

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CONDITIONS

1. DEFINITIONS
(a) "Mortgage" means mortgage, deed of trust or other security instrument. (b) "Public Records" means title records that give constructive notice of matters affecting your title according to the state statutes where your land is located.

2. LATER DEFECTS
The Exceptions in Schedule B - Section II may be amended to show any defects, liens or encumbrances that appear for the first time in the public records or are created or attach between the Commitment Date and the date on which all of the Requirements (a) and (c) of Schedule B - Section I are met. We shall have no liability to you because of this amendment.

3. EXISTING DEFECTS
If any defects, liens or encumbrances existing at Commitment Date are not shown in Schedule B, we may amend Schedule B to show them. If we do amend Schedule B to show these defects, liens or encumbrances, we shall be liable to you according to Paragraph 4 below unless you knew of this information and did not tell us about it in writing.

4. LIMITATION OF OUR LIABILITY
Our only obligation is to issue to you the Policy referred to in this Commitment, when you have met its Requirements. If we have any liability to you for any loss you incur because of an error in this Commitment, our liability will be limited to your actual loss caused by your relying on this Commitment when you acted in good faith to:

Comply with the Requirements shown in Schedule B - Section I

or

Eliminate with our written consent any Exceptions shown in Schedule B - Section II.

We shall not be liable for more than the Policy Amount shown in Schedule A of this Commitment and our liability is subject to the terms of the Policy form to be issued to you.

5. CLAIMS MUST BE BASED ON THIS COMMITMENT
Any claim, whether or not based on negligence, which you may have against us concerning the title to the land must be based on this Commitment and is subject to its terms.

END OF CONDITIONS

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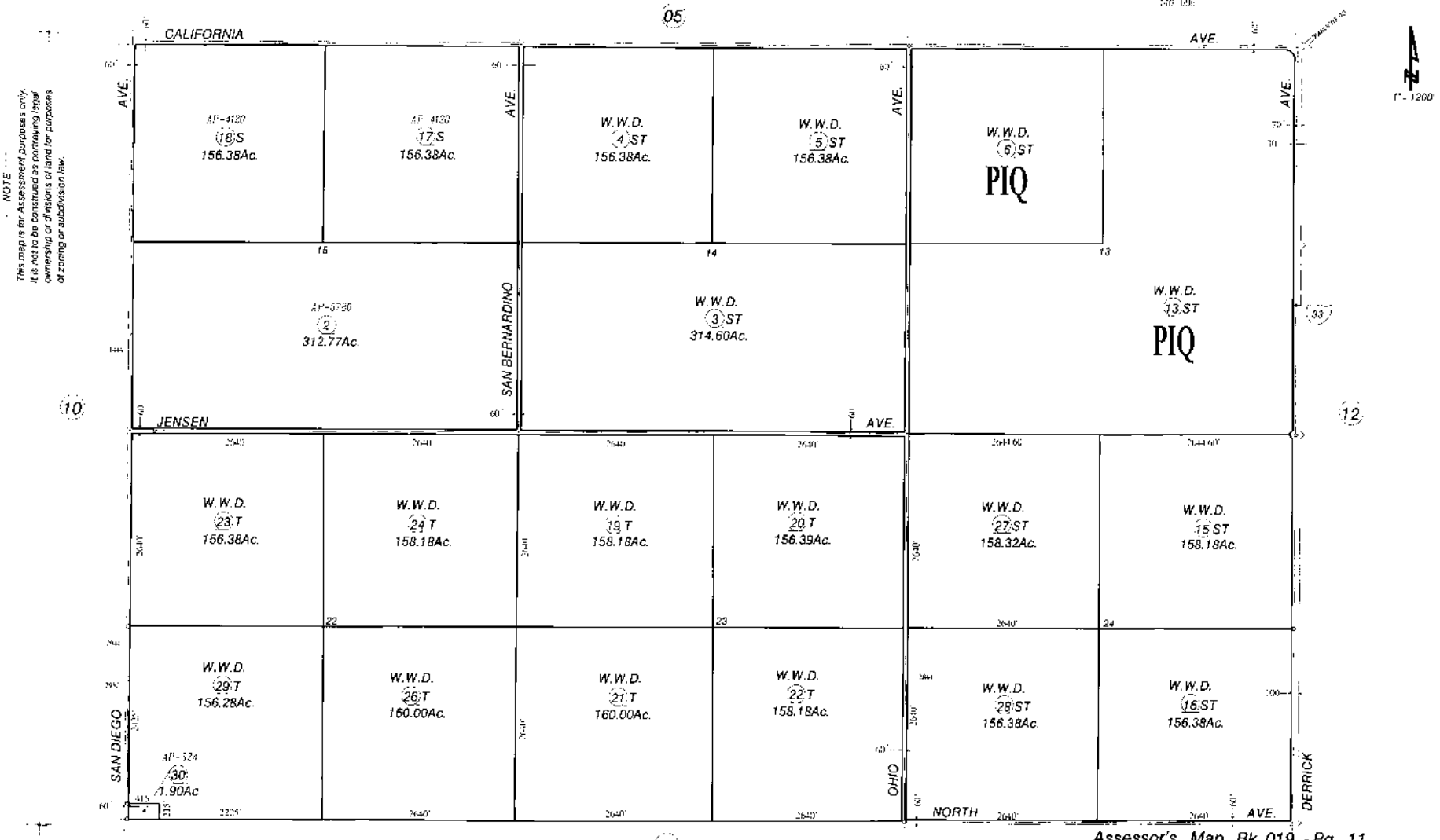
SEC'S. 13,14,15,22,23, & 24, T. 14 S., R. 14 E., M.D.B. & M.

Tax Rate Area

019-11



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 Preserv

This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of improvements, acreage or other matters shown thereon.

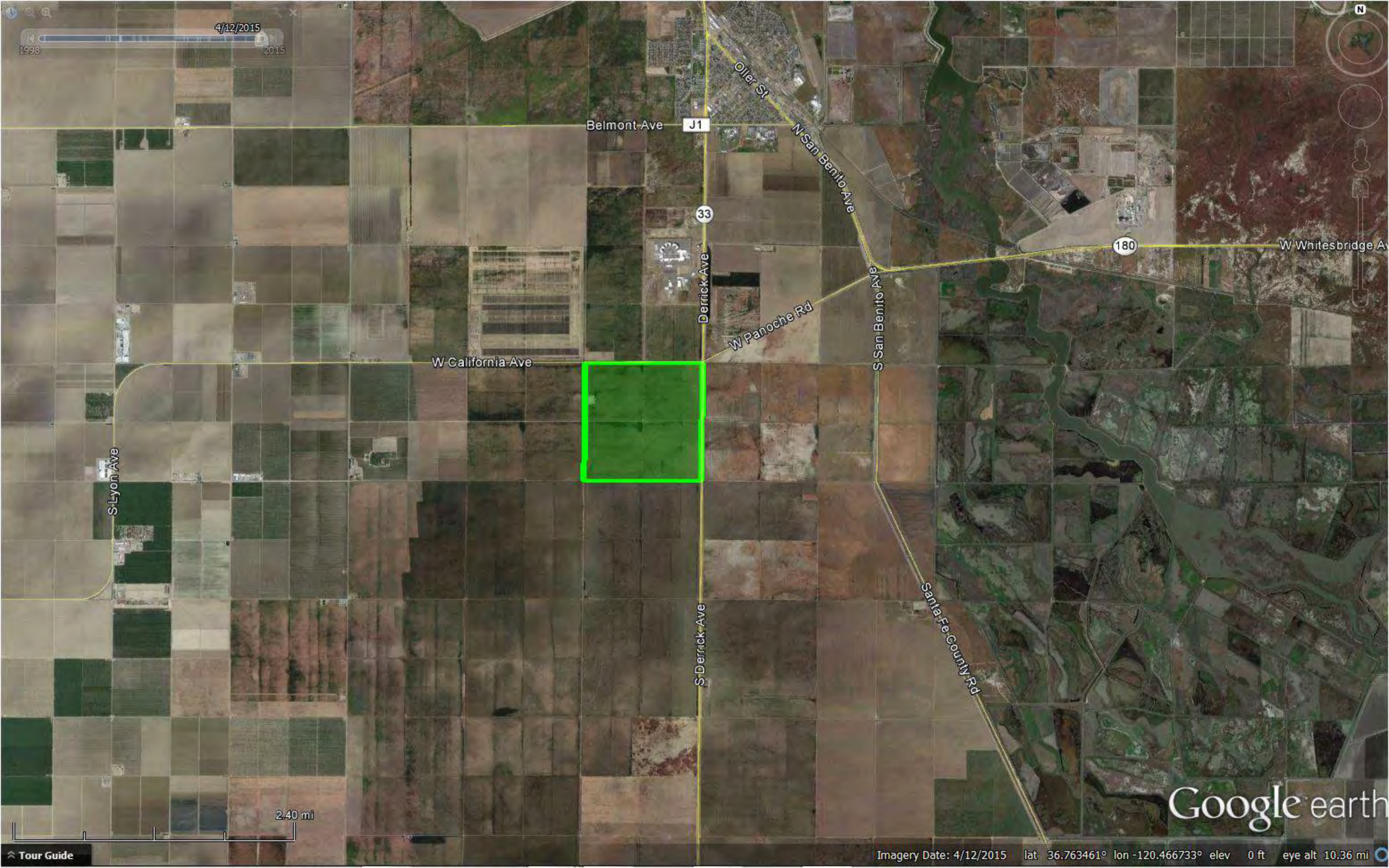
NOTE - Assessor's Block Numbers Shown in Ellipses.
Assessor's Parcel Numbers Shown in Circles.

Assessor's Map Bk. 019 - Pg. 11
County of Fresno, Calif.

03-09-06

APPENDIX C

Historical Research Documentation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Derrick Ave
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S San Benito Ave
W California Ave
S Lyon Ave
S Derrick Ave
Santa Fe County Rd
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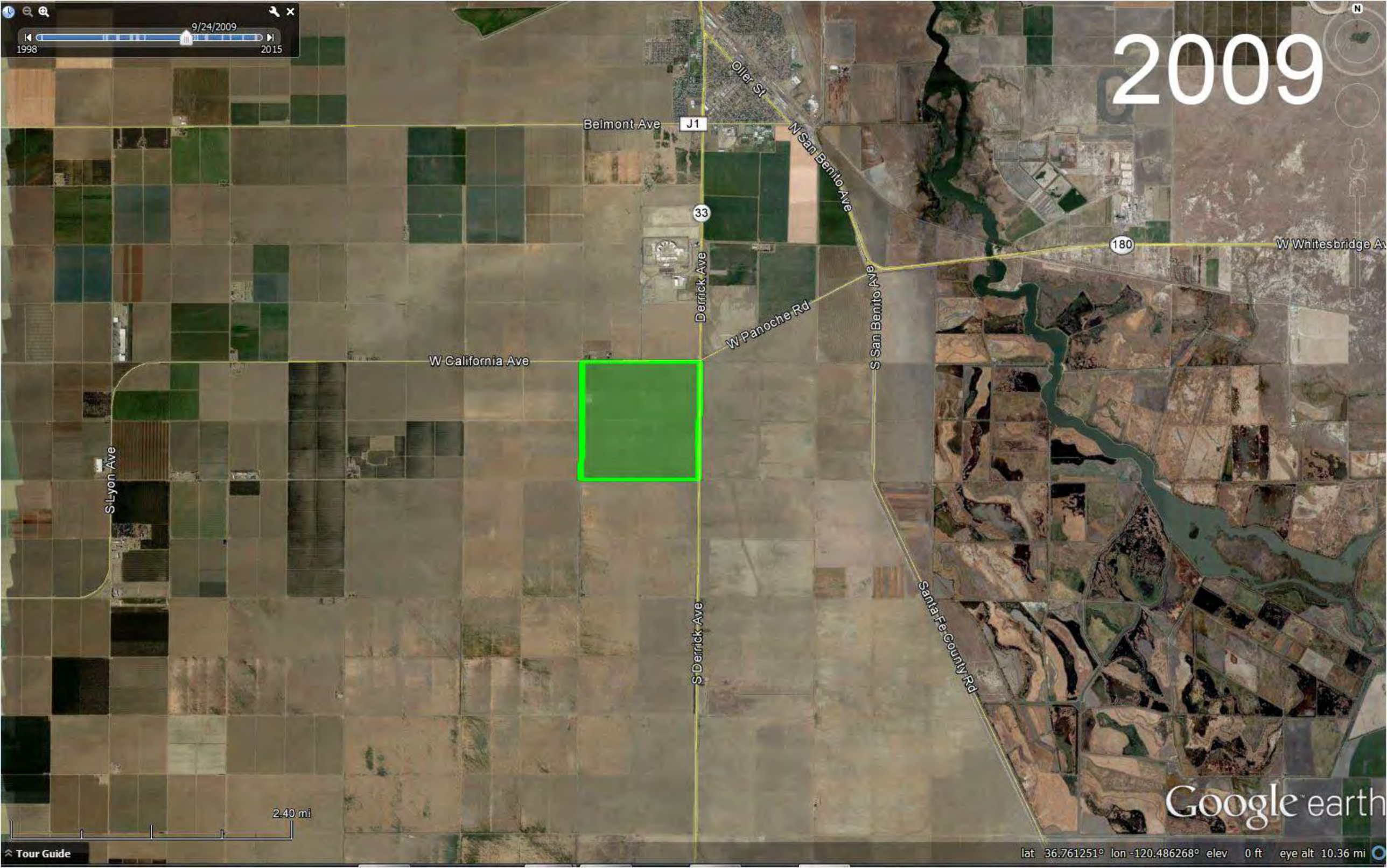
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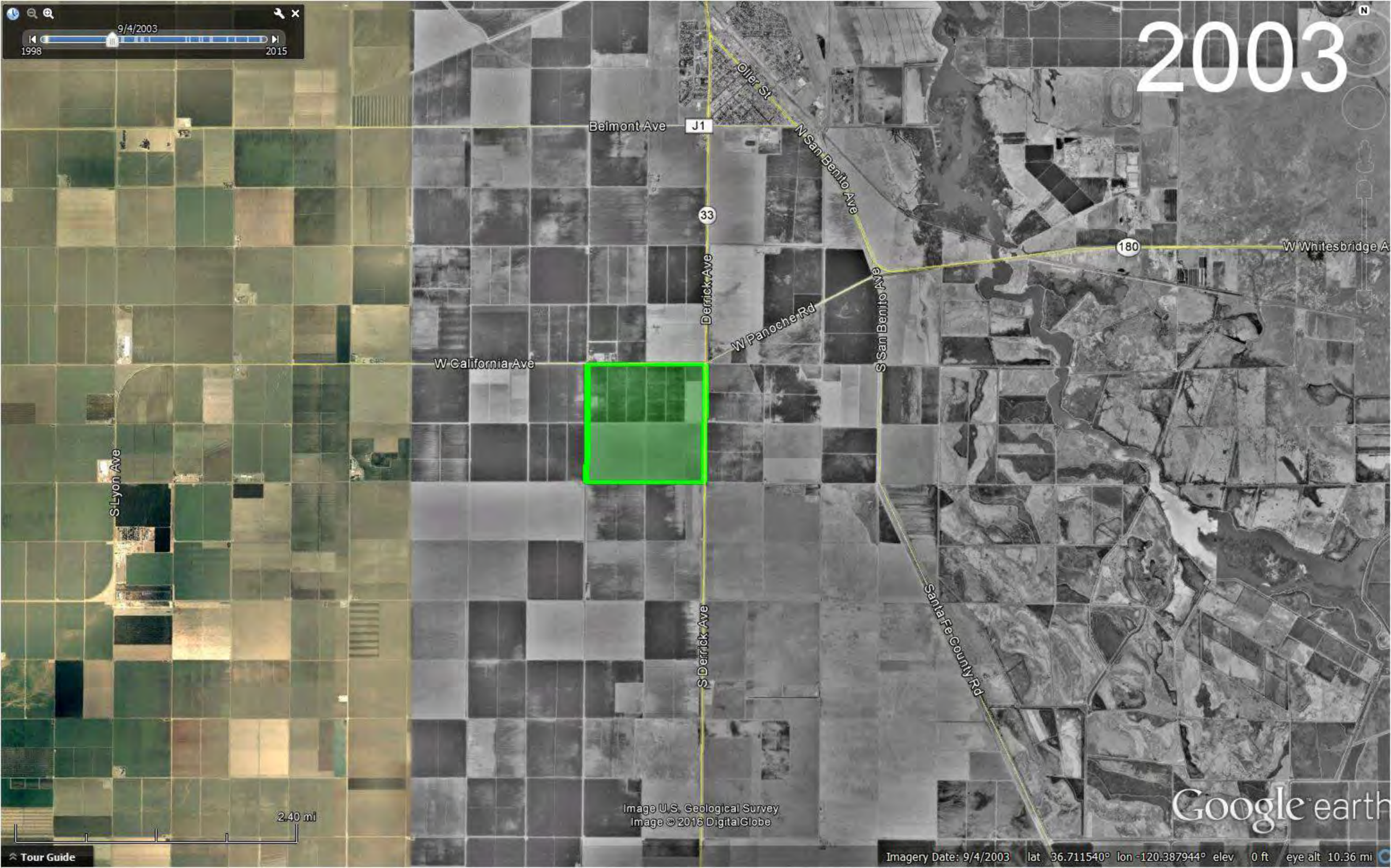
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S San Benito Ave
W California Ave
S Lyon Ave
S Derrick Ave
Santa Fe County Rd
2.40 mi
Image U.S. Geological Survey
Image © 2016 DigitalGlobe
Google earth
Tour Guide
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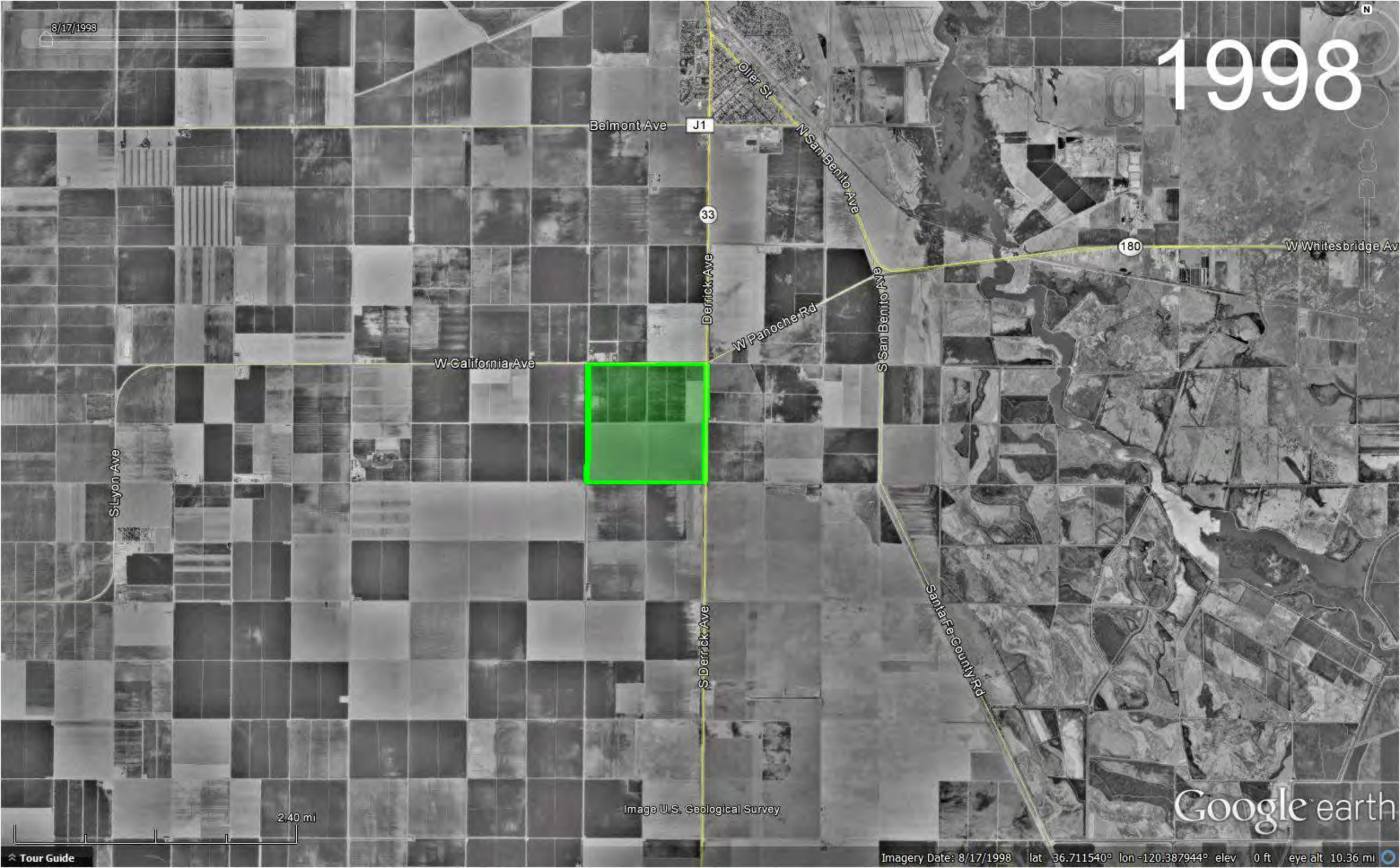
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N San Benito Ave
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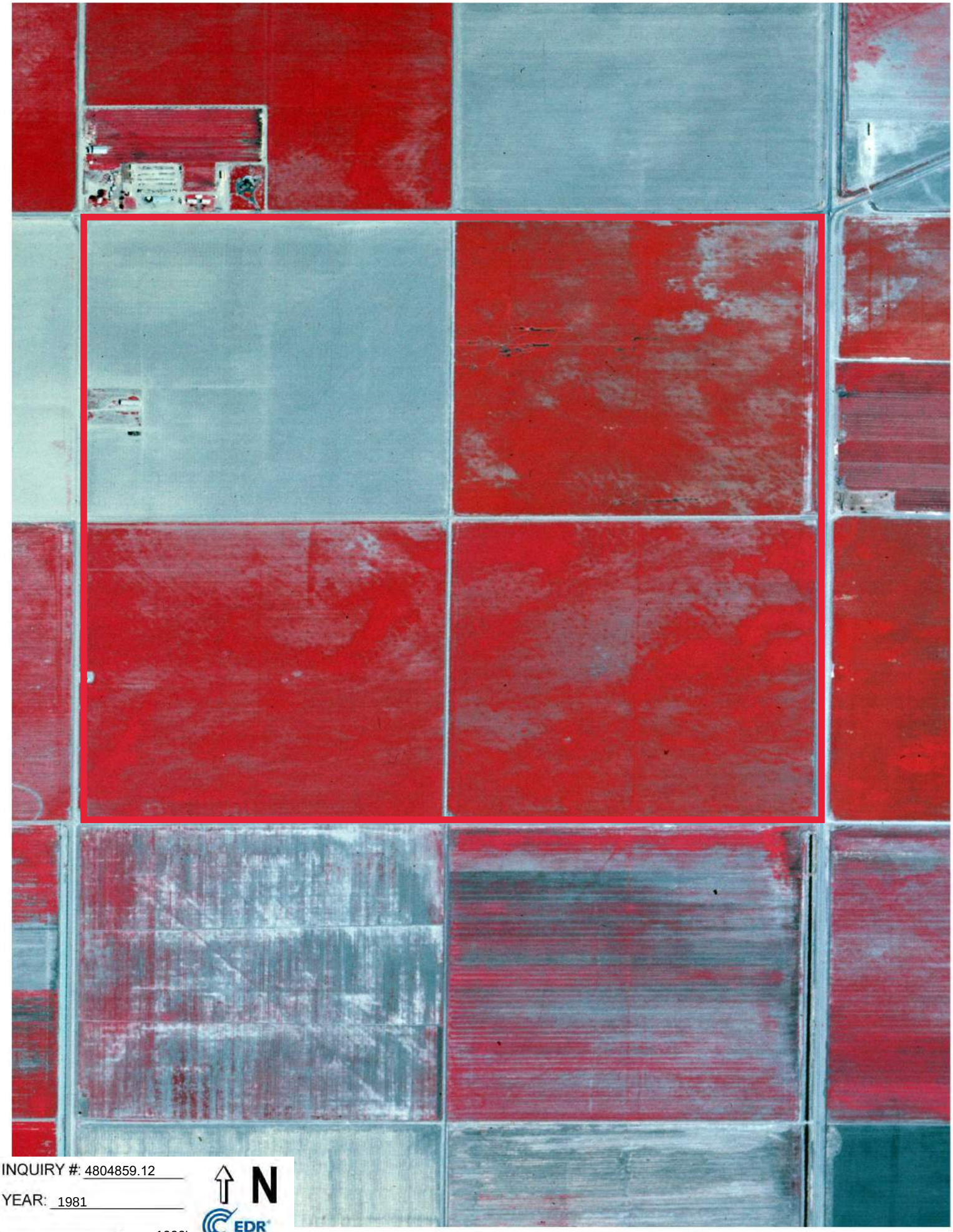
180
W Whitesbridge Av
Derrick Ave
W Panoche Rd
S San Benito Ave
W California Ave
S Lyon Ave
S Derrick Ave
Santa Fe County Rd
Image U.S. Geological Survey
2.40 mi
Google earth
Tour Guide
Imagery Date: 8/17/1998 lat 36.711540° lon -120.387944° elev 0 ft eye alt 10.36 mi



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YEAR: 1981

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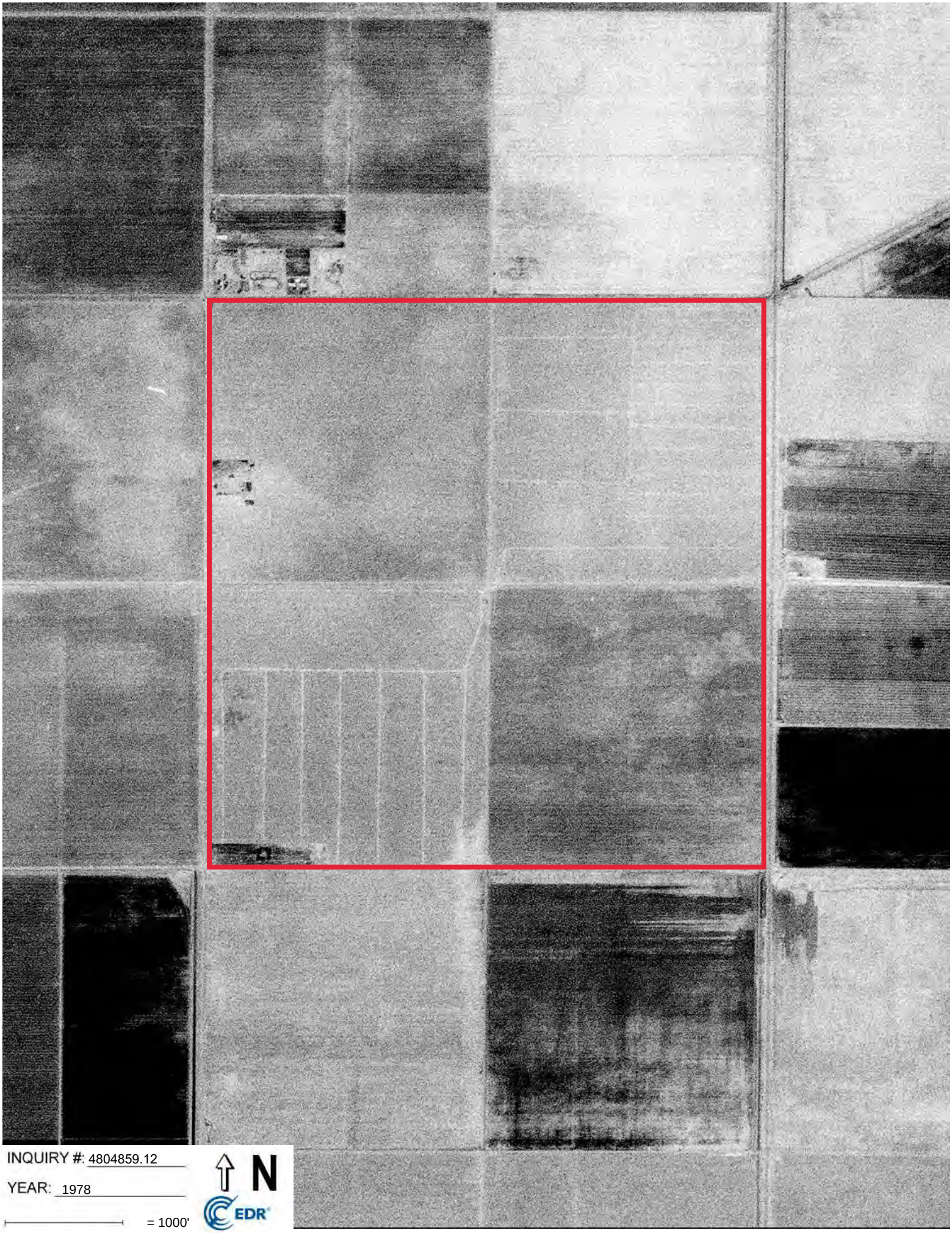
EDR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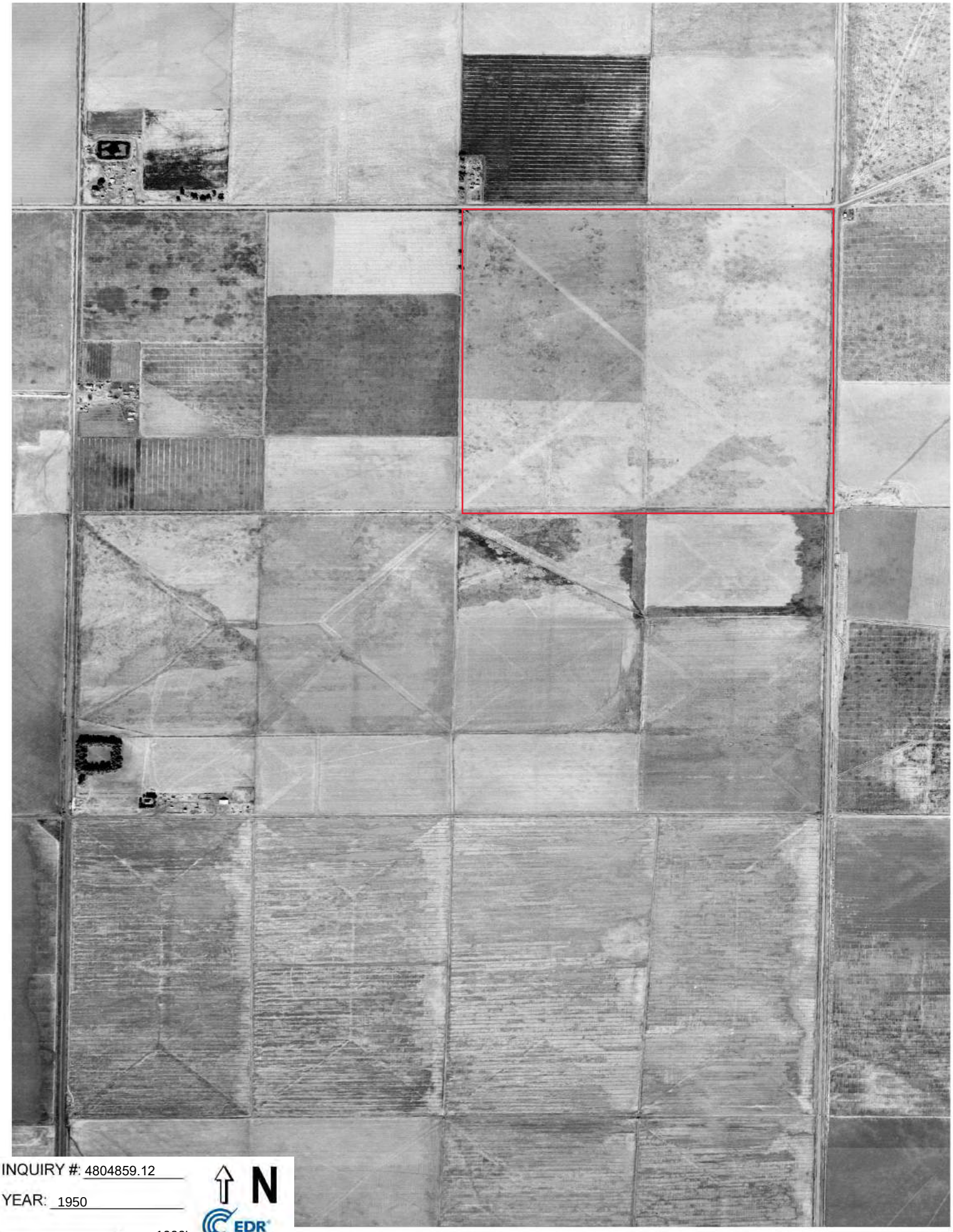

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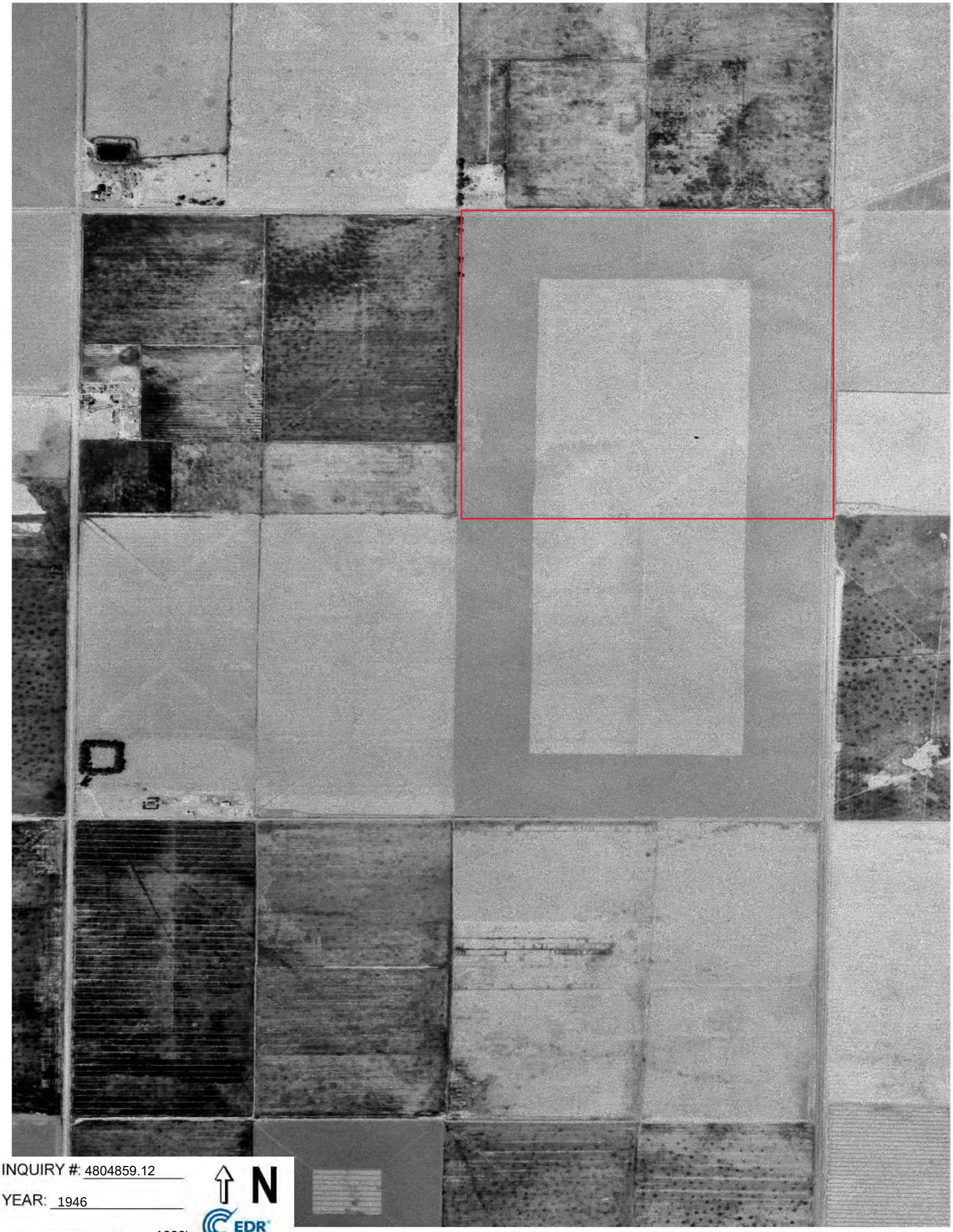

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YEAR: 1937

= 1000'

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EDR

Little Bear Expansion Project

SWC of W. California Avenue & S. Derrick Avenue

Mendota, CA 93640

Inquiry Number: 4804859.4

December 13, 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

12/13/16

Site Name:	Client Name:
Little Bear Expansion Project	ARCADIS U.S., Inc.
SWC of W. California Avenue &	320 Commerce Suite 200
Mendota, CA 93640	Irvine, CA 92602-0000
EDR Inquiry # 4804859.4	Contact: Janet Holtz

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ARCADIS U.S., Inc. 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:*	
P.O.#	NA	**Latitude:**	36.712761 36° 42' 46" North
Project:	CO002047.0025 00001	**Longitude:**	-120.396368 -120° 23' 47" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	732552.46
		UTM Y Meters:	4066168.73
		Elevation:	188.00' above sea level

Maps Provided:

2012
1984
1971
1956
1947
1946
1922, 1924

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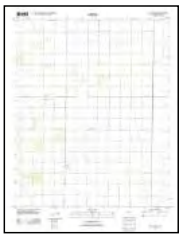
Topo Sheet Key

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

2012 Source Sheets

Tranquillity
2012
7.5-minute, 24000



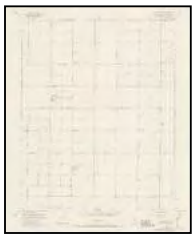
Coit Ranch
2012
7.5-minute, 24000

1984 Source Sheets

Coit Ranch
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

1971 Source Sheets



Coit Ranch
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Photo Revised 1971
Aerial Photo Revised 1971

1956 Source Sheets

Tranquillity
1956
7.5-minute, 24000
Aerial Photo Revised 1950

Coit Ranch
1956
7.5-minute, 24000
Aerial Photo Revised 1955

Topo Sheet Key

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

1947 Source Sheets

Tufts Ranch
1947
7.5-minute, 24000
Edited 1946

Tranquillity
1947
7.5-minute, 24000
Edited 1946

1946 Source Sheets

Tranquillity
1946
15-minute, 62500
Aerial Photo Revised 1946

1922, 1924 Source Sheets

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1924
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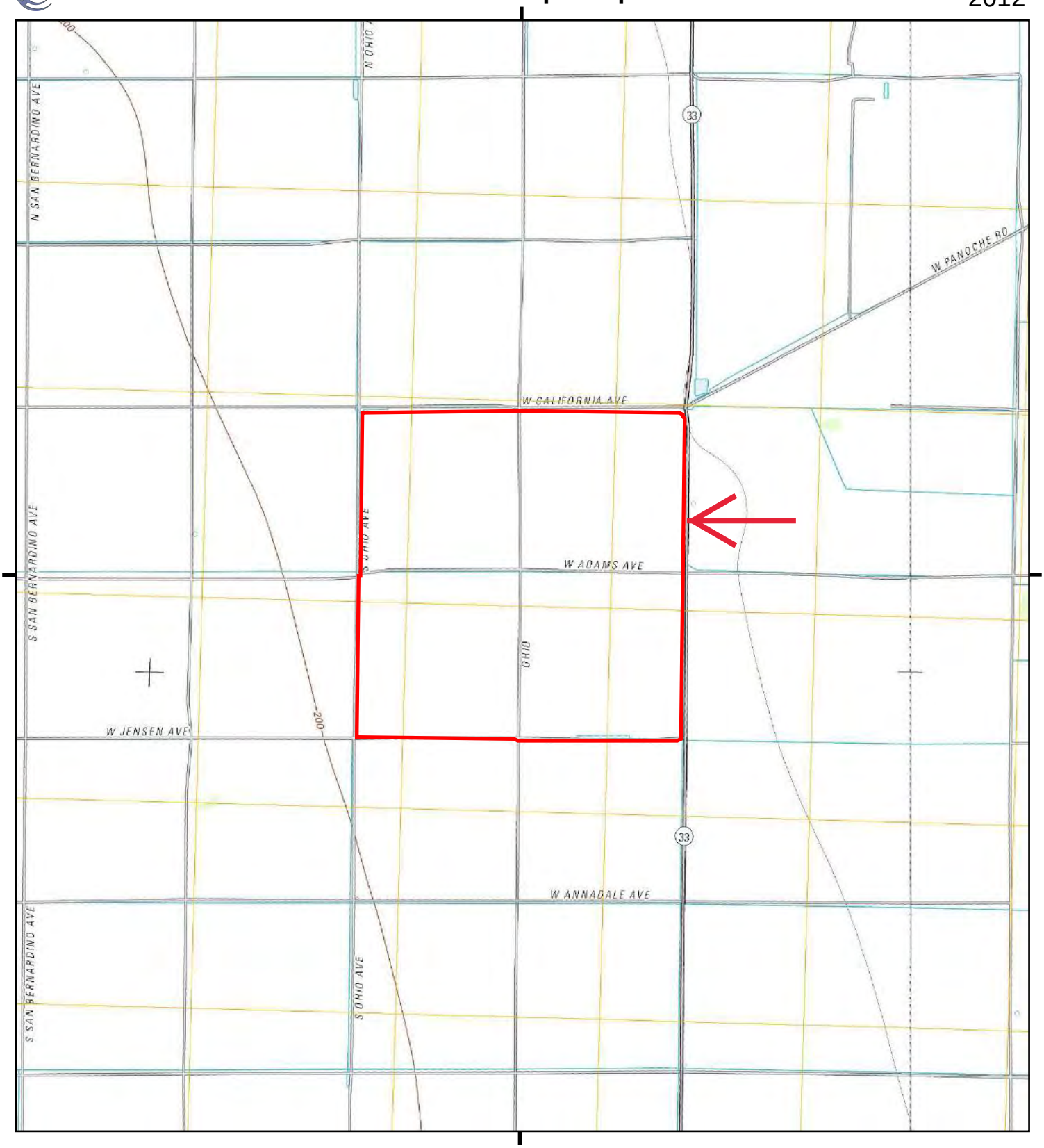
Historical Topo Map

2012



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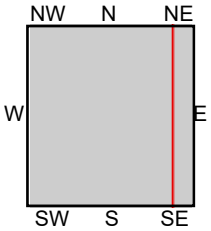


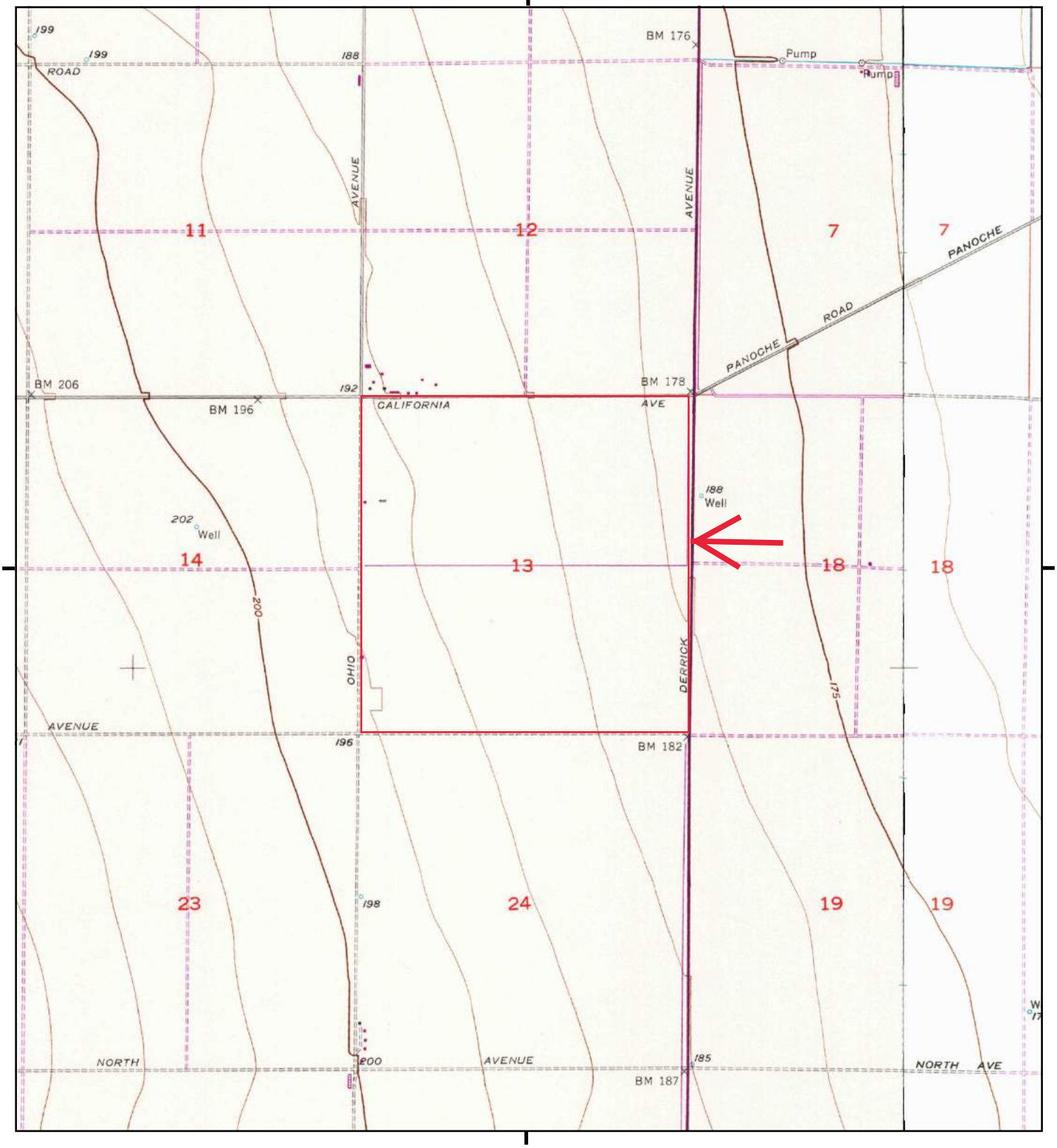
TP, Coit Ranch, 2012, 7.5-minute
E, Tranquillity, 2012, 7.5-minute

SITE NAME: Little Bear Expansion Project
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Historical Topo Map

1984



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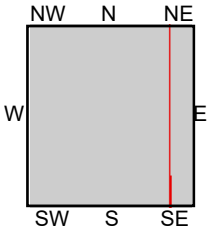

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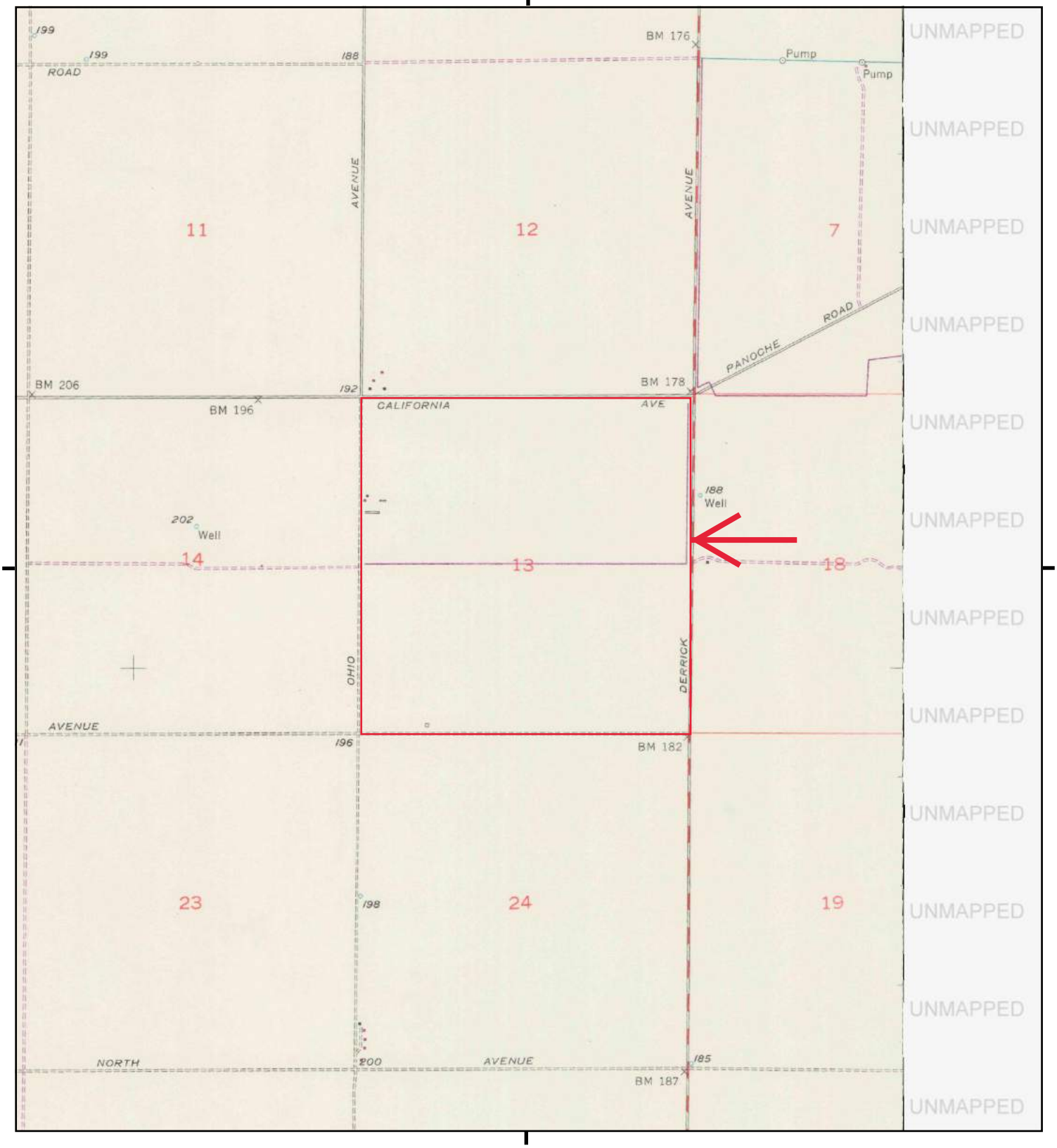
E, Tranquillity, 1984, 7.5-minute

SITE NAME: Little Bear Expansion Project
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Historical Topo Map

1971



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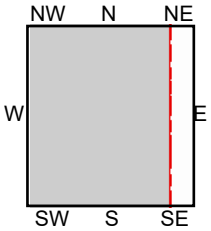


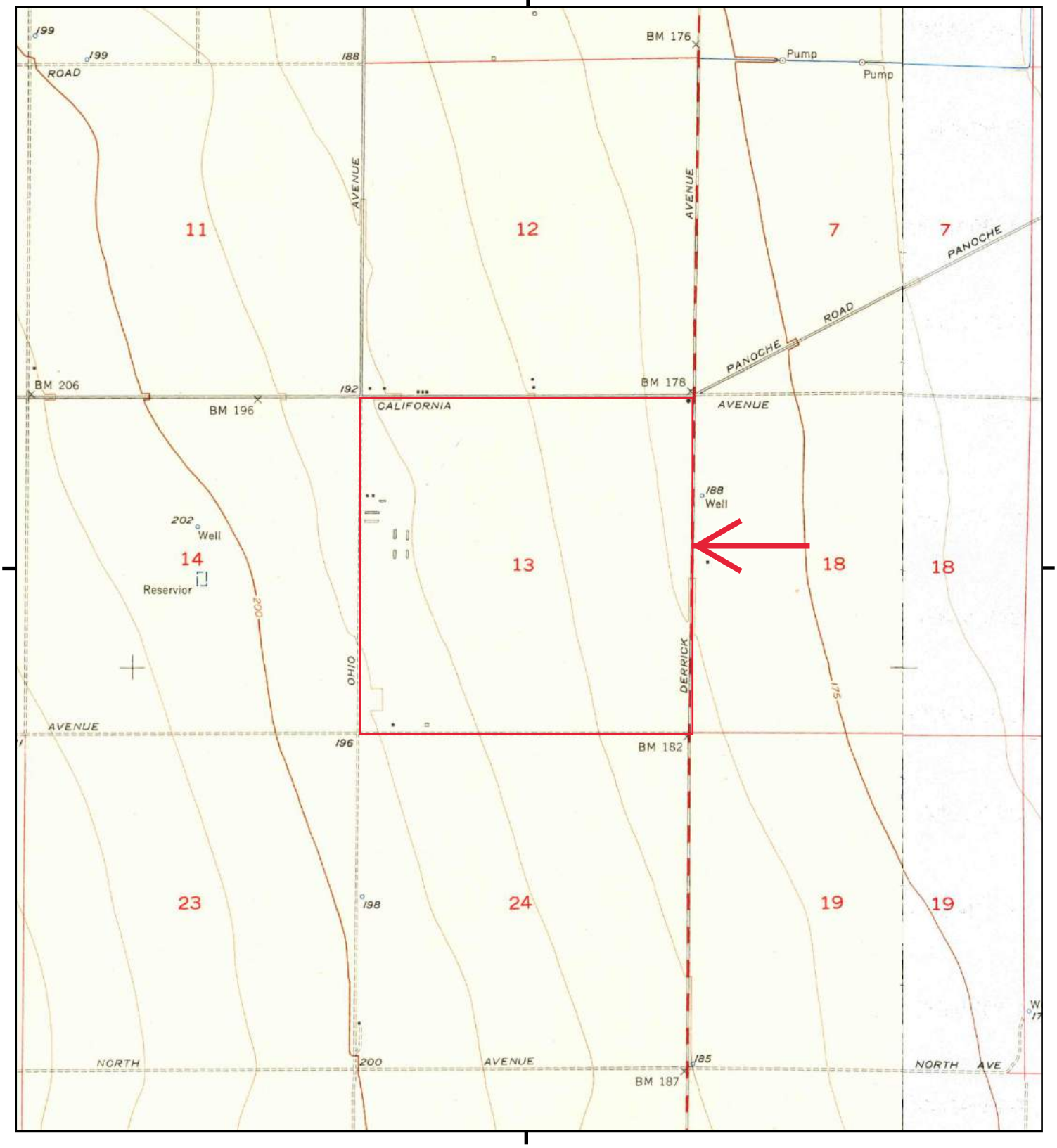
TP, Coit Ranch, 1971, 7.5-minute

SITE NAME: Little Bear Expansion Project
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Historical Topo Map

1956



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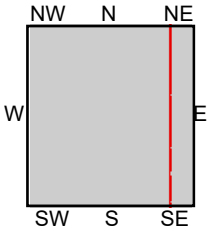

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E, Tranquillity, 1956, 7.5-minute

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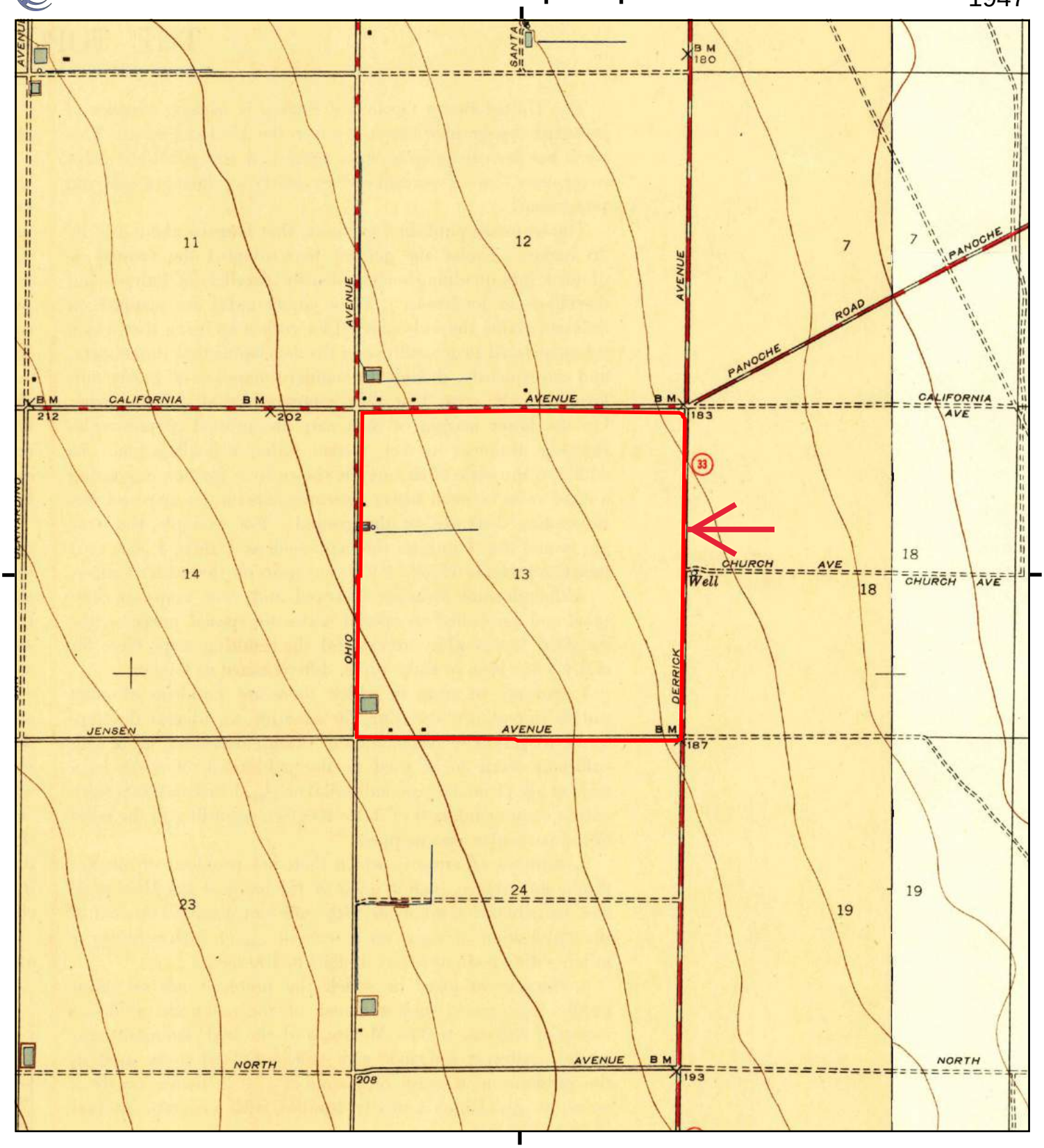
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Historical Topo Map

1947



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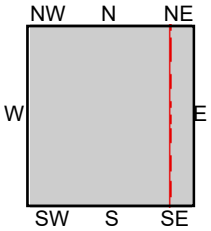


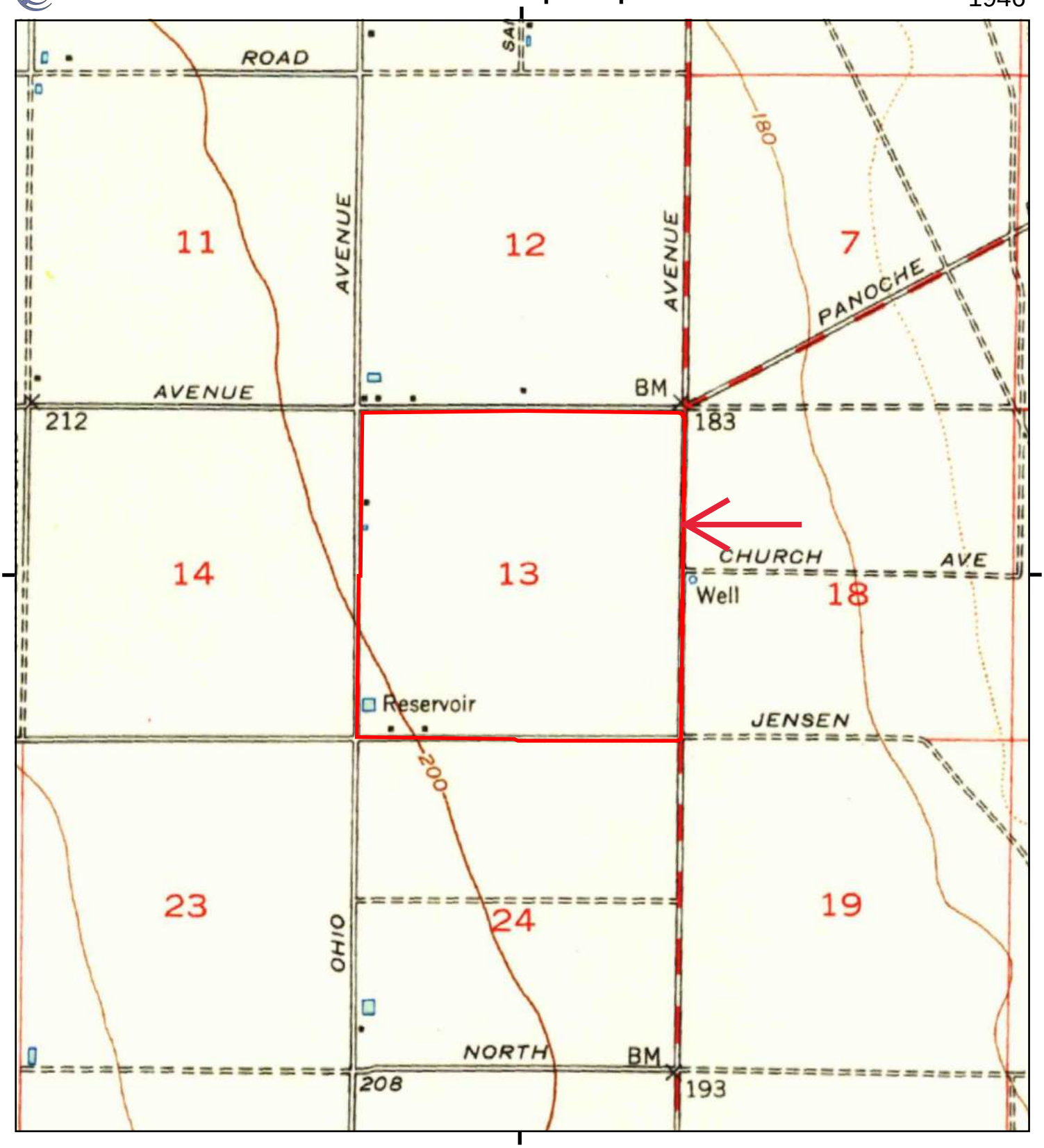
TP, Tufts Ranch, 1947, 7.5-minute
E, Tranquillity, 1947, 7.5-minute

SITE NAME: Little Bear Expansion Project
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Historical Topo Map

1946



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NW N NE
W E
SW S SE

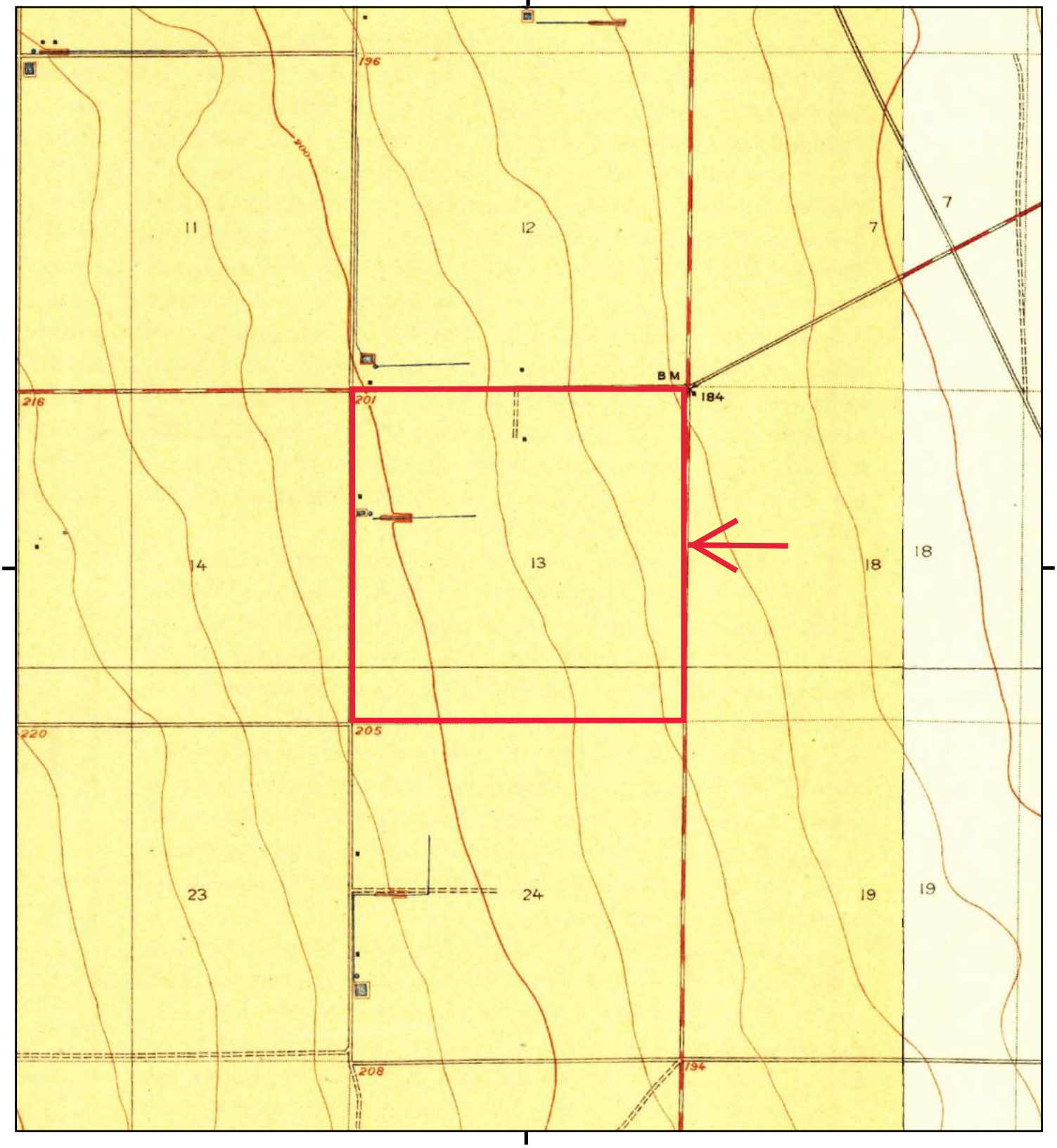
TP, Tranquillity, 1946, 15-minute

SITE NAME: Little Bear Expansion Project
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Historical Topo Map

1922, 1924



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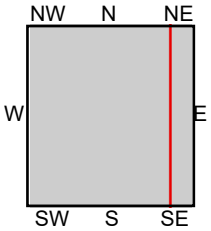

TP, Tufts Ranch, 1922, 7.5-minute
E, Tranquillity, 1924, 7.5-minute

SITE NAME: Little Bear Expansion Project
ADDRESS: SWC of W. California Avenue & S. Derric
Mendota, CA 93640
CLIENT: ARCADIS U.S., Inc.

N

Little Bear Expansion Project

SWC of W. California Avenue & S. Derrick Avenue

Mendota, CA 93640

Inquiry Number: 4804859.3

December 13, 2016

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6 Armstrong Road, 4th floor
Shelton, CT 06484
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Certified Sanborn® Map Report

12/13/16

Site Name:	Client Name:
Little Bear Expansion Project	ARCADIS U.S., Inc.
SWC of W. California Avenue &	320 Commerce Suite 200
Mendota, CA 93640	Irvine, CA 92602-0000
EDR Inquiry # 4804859.3	Contact: Janet Holtz

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Project CO002047.0025 00001

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APPENDIX D

Prior Reports

BSK

567 W. Shaw Ave., Ste. B
Fresno, CA 93704
(559) 497-2880
FAX (559) 497-2886

VIA HAND-DELIVERY **BSK E03.132.01F**

August 19, 2003

Mr. Russ Freeman
WESTLANDS WATER DISTRICT
3130 North Fresno Street
Fresno, California 93703

SUBJECT: Limited Phase I Environmental Site Assessment Report
31,500 Acres of Farmland within the Westlands Water District
Fresno County, California
Westlands W.D. RFP #03-402

Dear Mr. Freeman:

BSK Associates has conducted a Limited Phase I Environmental Site Assessment (LESA) of the various agricultural properties within the Westlands Water District (Westlands) in accordance with the scope of services presented in BSK's proposal E03.132.01F, dated June 25, 2003.

We appreciate this opportunity to be of continuing service to Westlands Water District. Please contact us if you have questions concerning the report.

Sincerely,
BSK ASSOCIATES

C. Scott Smith, P.E.
Senior Environmental Engineer

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT SMITH
No. 040118
Exp. 3/31/04
CIVIL
STATE OF CALIFORNIA

Amer A. Hussain, P.E.
Regional Manager

CSS/AAH/mlt

Enclosure: ESA Report

Distribution: Mr. Russ Freeman (1 unbound original, 3 bound originals, pdf copy)
BSK File 310 (1 original)

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J:\40\03\E0313201F Westlands 32K acre LESA\Westlands Limited ESA rpt.doc

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LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
31,500 ACRES OF FARMLAND WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA
WESTLANDS W.D. (RFP #03-402)

1.0 INTRODUCTION

This report presents the results of the Limited Phase I Environmental Site Assessment (LESA) of approximately 33,400 acres of agricultural properties (Site properties) within the Westlands Water District (Westlands) in Fresno County. The LESA was conducted for Westlands in accordance with the scope of services presented in BSK proposal E0313201F dated June 25, 2003.

The ESA was conducted in conjunction with the Peck Settlement. The Site properties have been divided into three transfer closings (Phases 2, 3 and 4). The Phase I of the property transfers were previously completed. In some cases, a given parcel is contained in more than one phase awaiting a determination of which transfer closing to be included in. The purchase of the Phase 2 properties is scheduled to occur in late 2003 with Phases 3 and 4 to follow in 2004 and 2005, respectively. The focus of the LESA was on conditions at the Phase 2 properties. Follow-up reviews of the Phase 3 and 4 properties will occur as the purchase date draws nearer to evaluate changes in conditions since the time of this LESA.

2.0 OBJECTIVE

The objective of the LESA was to identify and evaluate conditions at the Site properties, and adjacent properties, with regard to possible sources of recognized environmental conditions which may have impacted the Site. Recognized environmental conditions (RECs) are defined by the American Society for Testing and Materials (ASTM) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM, 2000).[1]

[1] The term "recognized environmental condition" includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

3.0 SCOPE OF ASSESSMENT

BSK's scope of services for the ESA consisted of the following:

- Acquire and review available information regarding historical land-use and development of the Site properties, including historical aerial photographs and land-use maps, and interview of property owner/lessee representatives.

- Acquire and review available information regarding the physical setting of the Site properties, including topographic, soils and groundwater maps.

- Review readily available State and Federal sources of known or potential hazardous waste sites, and inquire with local regulatory agencies for information regarding environmental permits, underground storage tank registration, environmental violations or incidents, and the status of known environmental impairments and enforcement actions at the Site and adjacent properties.

- Perform a reconnaissance of the Site properties including photographic documentation of general Site conditions and recognized environmental conditions, if present.

- Review of properties adjacent to the Site properties for indications of conditions that may have caused environmental impairment to the Site properties, as observable from the Site properties, public roads and farm roads,

- Prepare a report of the findings and conclusions.

While the LESA was generally conducted in accordance with the ASTM Standard referenced herein, it did not necessarily strictly adhere to all aspects of the standard. BSK's scope of services for the LESA did not include review information or conditions pertaining to properties beyond those immediately adjacent to the Site; acquisition of title documents; collection or analysis of soil, air, or building material, samples; nor evaluation of lead-based paint, or radon gas.

4.0 SITE LOCATION AND DESCRIPTION

The Site properties are generally located along the west side of Fresno County in areas extending from north of Mendota to south of Five Points. Collectively, the Site properties consist of about 33,400 acres of largely cropland, fallow land, farm land removed from production, farm roads, farming operation yards, and farm labor residences.

Appendix A includes the following:

- A map showing the locations/geographic coordinates for each of the properties.

- Maps, organized by family of ownership, indicating approximate parcel boundaries and geographic coordinates.

- A tabular listing of the properties by owner and Assessor's Parcel Number with a description of the number of acres involved in each phase. In cases where multiple phases are indicated for a given parcel, the actual number of acres involved in each transfer has not been determined.

5.0 PHYSIOGRAPHY, GROUNDWATER

5.1 Physiographic

The Site properties are located in the south-central portion of the San Joaquin Valley. The San Joaquin Valley, which forms approximately the southern half of the Great Central Valley of California, is a gently sloping, nearly unbroken alluvial plain bounded on the east by the Sierra Nevada and on the west by the Coast Ranges. The San Joaquin Valley contains two basins namely in the north, the San Joaquin Basin, which is drained by the San Joaquin River, and in the south, the Tulare Basin, which is normally a hydrologically closed basin of interior drainage, but which in extremely wet years, drains northward to the San Joaquin River (Page, 1986).

Alluvium derived from the Coast Ranges interfingers eastward with material derived from the Sierra Nevada to the east. The Sierran soil deposits are overlain by a veneer of flood-basin deposits derived from the Coast Ranges to the west and the Sierra Nevada to the east. The flood-basin deposits are of variable thickness (typically 5 to 35 feet) and texture, but are primarily fine-textured, moderately to densely compacted. The basin clays have a low permeability and greatly impede the downward movement of water.

The natural drainage of the Site properties is generally to the northwest with ground surface elevations ranging from about 200 feet in the east central-portion near tranquility to about 275 feet in the southwest portion feet near Five Points.

5.2 Hydrogeology

The hydrogeology of the region is strongly influenced by fine-textured, low permeablity clay known as the Corcoran Clay member of the Tulare Formation (Page 1986). The Corcoran Clay (also known as the E-clay) is a thick, diatomaceous lacustrine clay layer. It is the primary aquiclude in the region, essentially separating the unconfined or semi-confined groundwater above the clay from the confined groundwater below. The E-clay, which is laterally extensive beneath the Site properties, occurs at a depth of about 500 to 600 feet, and is about 40 to 60 feet thick. Extensive layers of other more

shallow clays have been designated A (shallowest) to D, which can create confined or semi-confined conditions, depending on location. The unconfined to semi-confined aquifer consists of Coast Range alluvial deposits, derived largely from the erosion of marine rocks, and flood plain deposits, and is typically high in salt concentrations. These deposits become thinner moving eastward, essentially disappearing near the Valley tough located east of the Site.

Perched ground waters occur over a substantial portion of the site properties. Within the general vicinity of the Site properties, perched waters may occur at depths ranging from less than 5 feet, typically along western potions of the Site properties, to about 20 feet, typically along the eastern portions.

5.3 Surface Water

Surface waters in the vicinity of the Site properties include, lined irrigation canal the California Aqueduct, unlined canals and ditches, tail ponds, and storage reservoirs. Several basins, which are now normally dry and vary substantially in size and were previously used for disposal of collected subsurface agricultural drainage water are also present. The San Luis Drain, once used for conveyance of subsurface agricultural drainage waters to the Kesterson Reservoir (located several miles north of the Site), traverses portions of the Site properties.

5.4 Soils

In the valley trough, which extends through the area of the Site properties, soil deposits derived from the Sierra Nevada are predominantly well-sorted sand, approximately 400 to 500 feet thick, thinning eastward and westward. Shallow soils at the Site properties consist largely of basin and basin rim deposits. The soils are largely silty clays and clays with varying alkalinities and typically slow permeabilities.

6.0 HISTORICAL BACKGROUND

Information on the history of the Site properties was obtained through the review of land-use maps, available aerial photographs, and interviews with individuals familiar with Site properties histories and usage.

The current owners of the Phase 2 properties were interviewed by BSK as a part of the LESA, in addition, owners of the Phase 3 and 4 properties which have fuel, chemical and/or equipment storage areas, or which have operated subsurface drainage collection systems were also interviewed.

Agricultural development of the Site properties began in the early 1940s and by the late 1980; they had been largely developed to their current state. Subsurface drainage collection systems were largely installed in the 1970s and, by the mid-1980s, the preponderance of them were not in use. Subsequently, significant areas of the Site, particularly along the western portions, are now longer farmed due to rising perched water levels.

Land Use Maps and Aerial Photographs
Aerial photographs for 1977, maintained by Westlands, and for 2000, obtained from the internet (www.terraserver-usa.com) were reviewed for information on historical usage of the Site properties. The review focused features at the numerous farming operation yards, and other structures. The review found that:

- All but one of the current operation yards was present at the time of the 1977 aerial photographs. The exception consisted of a storage yard and shed in Section 28, T13S/R14E (see Section 7, R&J Silveira)

- No demolished structures were identified.

- Addition of a few small structures, and or expansion of equipment storage areas occurred in some areas.

No indication of waste piles or surface impoundments were observed within the farming operations areas.

7.0 SITE RECONNAISSANCE AND ADJACENT PROPERTIES REVIEW

The reconnaissance of Site properties and review of adjacent properties, were performed by BSK Senior Environmental Engineer, C. Scott Smith, PE, between July 11 and August 7, 2003. At the time of the visit of the Phase 2 farming operation yards, and most Phase 3 and 4 yards, BSK was accompanied by a property owner representative.

7.1 Site Reconnaissance

The principal crops of the Site properties are cotton, tomatoes, grapes, alfalfa, onions and garlic. No orchards or rice fields are present. Several farming operation yards, and numerous water well sites (both electric and diesel-powered), abandoned subsurface drainage collection system pumps and associated reservoirs, and water storage reservoirs were observed.

Minor spillage of fuels was observed at most diesel-powered well sites, above-ground fuel tanks (AGT), motors, and/or well lubrication systems. Upon further investigation, it was determined that the petroleum products and oils appeared to be limited to the upper 1-foot of soils.

The preponderance of the subsurface drainage collection systems were inoperative and have dry associated reservoirs. Exceptions included a few systems being used for recirculation (onsite usage) of collected waters.

Irrigation ditches along the travel routes were periodically reviewed for indications of soils discoloration, water discoloration, surface sheen, and similar indications of fuels and chemical

introduction. No conditions appearing to be associated with the introduction of fuels or chemicals were observed.

Features of particular interest are summarized in Sections 7.2 through 7.4 for Phase 2 through 4, collectively. For Site properties that are currently listed under multiple phases, the observations are presented for the first phase in which they are listed. The future Phase 3 and Phase 4 update reports will address the changes in phase designation as they occur.

7.2 Phase 2

R&J Silviera (SW ¼, Section 28, T15S/R14E)

Included within the parcel are an equipment storage yard and storage shed/shop. The building has a concrete slab. A limited number of farm equipment vehicles were present (Figure 1, No 1, Phase 2 Site Photographs).

No fuel or chemical storage containers were observed at the facility and no visual or odors indications of fuel or chemical spillage were observed.

Within the shop were various tolls and small farm equipment hardware. No fuel or chemical containers or indications of spillage were observed.

No AGTs or above-ground features associated with underground fuel storage tanks (UST were observed at the facility. According to Mr. Silveira, no USTs or AGTs have been present and no chemicals have been stored.

Tom Thomsen (SW¼, Section 5, T 17S/R16E)

Mr. Eric Grouleff, farm manager, accompanied BSK during the reconnaissance on August 8, 2008. Included within the parcel are a farm office building and an equipment yard containing various farm equipment and vehicles (Figure 1, No. 2). On the east end of the yard is a concrete slab, reportedly associated with a former tool shed, and AGTs were reportedly present to the east of the slab. According to Mr. Grouleff, the shed and two diesel AGTs were at the location for only a few years and were removed few weeks ago. Minor soil discoloration from oils was observed at the reported location of the AGTs.

7.3 Phase 3

Seasholtz (SW¼, T14S/R14E and NE¼, and Section 25, T13/R13)

Included at both parcels are farming operations yards. On August 6, Mr. Seasholtz declined to provide access to the facilities until such time the properties are being considered for transfer. Accordingly, the facility was reviewed from adjoining areas, only. Observed were fuel storage areas, AGT(s), chemical container disposal areas, a shop, and equipment storage areas. No indications of

above-ground features associated with USTs, waste piles or other waste disposal areas were observed. An onsite review will be conducted in conjunction with the phase 3 update.

Wolfsen (SW ¼ Section 3, T15S/R15E)

Mr. Justin Spellman accompanied BSK during the reconnaissance on August 7. Included within the parcel are a large storage building, liquid fertilizer tanks, and a cotton gin.

The large storage building, which has a concrete slab, contained various agricultural chemicals (Figure 2A, No. 1). Minimal spillage was observed with in the building and no indication of spillage was observed in the adjoining exterior areas.

Drainage from the facility is generally to the northwest toward a shallow drainage ditch which terminates onsite. Upon further observation it appeared that the soils within the ditch were discolored from on-site processes. Mr. Spillman explained that the discoloration was largely due to runoff originating from the area of the liquid fertilizer tanks and from San Diego Avenue, adjoining the parcel on the west. No other potential sources of the discoloration were evident.

A cotton gin is located to the north of the yard. Included is a below grade hydraulic compressor. The compressor is within an enclosed concrete vault.

Wolfsen (SW¼ and NW¼ Section 4 T15S/R15E)

Mr. Justin Spellman accompanied BSK during the reconnaissance on August 7, 2003. Included within the parcel is a farming operation yard including AGTs, a maintenance building, a drum and waste oil storage area, outdoor equipment storage areas, and a crop-duster landing strip.

The AGTs, located in the east central portion of the facility, are within a concrete spill-containment berm (Figure 2A, No. 2). The drum storage area, containing empty 55-gallon lubricant drums, and a waste oil tank are present in the northwest portion of the facility (Figure 2A, No. 3). The waste oil tank is also surrounded by a concrete berm (Figure 2A, No. 4). No indications of excessive spillage of oils, beyond minor "drippings" were observed.

A north-south oriented crop-duster landing is begins along the eastern boundary of the yard and extends about ½-mile to the north. According to Mr. Spellman, the strip is maintained by others who utilizing the strip to serve Wolfsen. The turn-around and chemicals loading area is located on south end of the strip the east end of the yard. Within the area is a water tank, for chemical formulation, a bin with empty 2 to 5-gallon plastic pesticides and herbicides containers, and bags of dry sulfur. According to Mr. Spellman, the containers are triple-rinsed and recycled and the waters used in chemical formulation in the aircraft hoppers. Portions of the turn-around area are paved. Exposed soils in unpaved areas adjoining the turn-around on the west were discolored from landing-strip operations (Figure 2, No. 4). According to Mr. Spellman, much of the discoloration is associated

with organic-based fertilizers which are mixed into selected application formulations. No odors typically associate with herbicides or insecticides were encountered.

Peck (SW1/4,S12,T16S/R14E)

Mr. Ken Peck, farm manager accompanied BSK during the reconnaissance on August 1, 2003. Included within the parcel is a farming operation yard including AGTs, a shop, maintenance buildings, drum and waste oil storage and outdoor storage areas for vehicles farm equipment and farm implements are stored in various areas of the facility.

Several diesel AGTs and liquid fertilizer AGTs are present (Figure 2B, No. 1). Minor spillage was observed near the dispensers of a few AGTs. Digging into shallow soils, using a shovel, found indications of oils to be limited to less than the top about 1-foot of soils.

Lubricant drums are stored in the northeast portion of the yard and no indication of significant spillage or leakage was observed (Figure 2B, No.2). Agricultural chemicals are stored on wooden pallets within a building with concrete flooring.

A tire maintenance building is located to the north of the shop. According to Mr. Peck, an underground gasoline fuel storage tank (UST) was removed from the east side of the building in about 1990 (Figure 2B, No. 3). He indicated that only minor leakage from the inlet piping was observed that there is no documentation of its removal.

A steam cleaning system adjoins a tire shop to the west. Wastewater is discharged to a small unlined sump. Minor oil accumulation was observed on the water surface and the exposed side walls of the sump (Figure 2B, No. 4).

Peck (NW¼, Section 5, T16S/R15E)

A series of six large, connected subsurface drainage basins is present. The basins are divided by drive on berms and collectively comprise about 130 acres and, according to Mr. Peck, have not been used for several years. Salt accumulation was observed in some of the low points of the reservoirs (Figure 2B, No. 5). The basins are subject to closure requirements of the California Regional Water Quality Control Board (see Section 8.2)

7.4 Phase 4

Peck (SW, Section 12, T16S/R14E)

A crop duster landing strip is located along the eastern boundary of the parcel (Figure 3A, No. 1). Surface discoloration of the paving and exposed soils was along the eastern portion of the turn-around area, located at the south end of the strip. To the east of the strip is a ditch where burning of plastic chemical containers is evident.

Tom Thomsen (NW¼, Section 15, T 17S/R16E)

Mr. Eric Grouleff, farm manager, accompanied BSK during the reconnaissance on August 1, 2003. The parcel consisted of a farm operations yard which, included a large area designated for vehicle and equipment storage, AGTs (Figure 3A, No. 2), liquid fertilizer storage tanks, a shop, and adjoining farm equipment maintenance area (Figure 3, No.3). The chemicals present were limited to small containers within in covered areas.

Piping from the dispenser to the gasoline is above ground. Digging into the soils near the AGTs found indications of fuels to be limited to the top about 1+ foot of soils in some areas. According to Mr. Grouleff, no USTs have been present at the property.

The yard contained various farm equipment and vehicles. On the east end of the yard is a concrete slab reportedly associated with a former tool shed and AGTs were reportedly present to the west of the slab. According to Mr. Grouleff, the shed and two diesel AGTs were at the location for only a few years and were removed few weeks ago. Minor soils discoloration from oils was observed at the reported location of the AGTs.

O'Neill SW1/4, Section 4,T18S,R17E

Mr. Mr. Curtis Stubblefield, farm manager, accompanied BSK during the reconnaissance on August 1, 2003. Included within the parcel is a maintenance building and equipment storage area.

Minor repairs of farm equipment and vehicles are reported to be conducted within the building. Included is a tool room and a petroleum-based lubricants storage area (Figure 3B, No. 1). Adjoining the building on the east is a covered well pump storage area (Figure 3B, No. 2). A waste oil tank is present on the north side of the building. Farm equipment is stored in an unpaved area to the east of the building (Figure 3B, No. 3).

No indication of oil spillage or chemical storage was observed during the site recon.

Orff (NW¼, Section 31, T15S/R15E)

Mr. Frank Orff accompanied BSK during the reconnaissance. Present within the parcel is a farming operations headquarters including a chemical storage building, AGTs, various equipment storage areas and equipment and vehicle repair areas.

The agricultural chemical storage building is located in the north-central portion of the facility and has concrete slab flooring. (Figure 3C, No. 1). No indication of significant spillage was observed within the building or the adjoining exterior areas.

Hydraulic fluids are stored in a small shed to the west of the chemical storage building. A waste oil tank is present on the south side of the shed. A rack mounted 1,000-gasoline AGT and 13,000 gallon

diesel AGT, with a concrete spillage containment berm, are present on the north side (Figure 3C, No. 2).

7.5 Adjacent Properties Review

The adjacent properties were reviewed from the Site properties and adjoining public and farm roads. The preponderance of the adjacent properties are farmland. Farming operation headquarters with AGTs, equipment storage areas, well sites are also present in several areas. Also present in a few areas are abandoned subsurface drainage collection systems (which all appear to be abandoned) and associated dry drainage discharge basin, grain operations and cotton gins. No waste disposal areas, indication of features associated with USTs, crop-duster landing strip were observed.

An assessment conducted at a farm operations equipment yard located to the north of the Section 22, T13S/R14E, identified fuel hydrocarbons in soils associated with a leaking UST (BSK, 1996).

8.0 REGULATORY REVIEW

BSK's regulatory review included a review of selected agency regulatory data bases, inquires with agency representatives, and review of selected agency files. Appendix B contains a description of the regulatory programs associated with the lists reviewed.

8.1 Agency Lists

USEPA

The review of the following USEPA sources did not find any of the Site properties or adjacent properties currently listed:

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

National Priorities List (NPL)

RCRA Violators List (RCRA-Violators)

State of California

The review of the following State of California sources did not find any of the Site properties or adjacent properties currently listed:

- *Annual Work Plan (AWP)*
- *CalSites*
- *Site Mitigation and Brownfields Reuse Program*

- *Leaking Underground Storage Tank Information System (LUSTIS)*

- *Solid Waste Information System (SWIS)*

Fresno County Community Health Department (FCCHD)

The FCCHD participates in the Certified Unified Program Agencies (CUPA) program which is responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The Site properties and adjacent properties are not currently contained on the CUPA.

The Site and adjacent properties or adjacent properties are not currently listed.

8.2 Agency Inquiries and Files Review

Phase 2

The Wolsen parcel in Section 19, T14S/R15E previous include a discharge basin (solar evaporator) which received wastewater discharges associated with a agroforestry demonstration project. The RWQCB required that the basin be closed (capped compacted with low permeability soils). A closure plan was submitted by Murietta Farms in December 2002, approved by the CRWQCB and subsequently implemented (Appendix C). The project was completed last month and a report documenting closure in compliance with CRWQCB requirement is currently being prepared for submittal.

Phase 3

The California Regional Water Quality Control Board (CRWQCB) was contacted regarding the status of subsurface agricultural drainage basins. Based on the information contained in their files and our communications with Mr. Lonnie Wass, Supervising Engineer, the Peck drainage basins in Section 5 are required to be closed. In 1996, a Closure/Financial Assurance Plan was submitted by Peck. By letter dated May 24, 1996 (included as Appendix C) the CRWQCB did not accept the plan and requested further information. The required revised plan has not been submitted and, based on an interview with Mr. Wass on August 1, 2003, such a plan is still required.

9.0 SUMMARY AND RECOMMENDATIONS

Section 9.1 summarizes our findings and recommendations applicable to all phases and Sections 9.1 through 9.3 address our findings and recommendations individually applicable to Phases, 2, 3, and 4, respectively.

9.1 Phases 2, 3 and 4

Based on BSK's review of historical land use maps, selected aerial photographs, and interviews with property owner representatives, the Site properties have been farmed dating back to the 1940s or 1950s. Land use activities other than agricultural include a cotton gin and grain storage.

At the time of the reconnaissance, the Site properties land usage consisted principally of cropland, fallow land, and idle land. Other features observed included those typical with farming operations as well as single family residences, a cotton gin, and grain storage facility.

Waste disposal areas observed were limited to former (now dry) subsurface drainage discharge basins. Indoor chemical storage areas were observed at several facilities, No waste disposal sites, agricultural chemical storage areas, aircraft landing strips, or features associated with UST's were observed during the reconnaissance or were identified (based on our research) as having been present at the Site properties in the past.

Diesel engine-powered lift stations or water wells are present at a few sites. Soils discolored from diesel were observed near the ASTs, diesel engines, and lift pumps. Soils discoloration, in those areas reviewed, is limited to a depth of less than 2-feet. The condition can be regarded as *de minimus*, under the ASTM definition of recognized environmental conditions and, accordingly, no action appears warranted.

The Site properties and adjacent properties are not currently contained on the regulatory agency program lists reviewed in conjunction with the LESA.

No conditions which appear to have the potential to environmentally impair the Site were observed at the adjacent properties.

Agricultural properties are subject to the use of a variety of agricultural chemicals, including pesticides, herbicides, insecticides, fungicides, etc. Problematic concentrations of such chemicals in soil or water, those which would constitute recognized environmental conditions if evidenced, are most-commonly associated with agricultural chemical storage areas, formulation areas, equipment/container wash-down areas, or irrigation tail water conveyance and storage facilities. No such activities were identified as being currently or historically associated with the Site properties. However, general application of such chemicals may also result in environmental impairment under certain circumstances. While BSK found no evidence of recognized environmental conditions, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.

Oil-lubricated irrigation supply wells, such as those onsite, can potentially be a source of impact to groundwater, through loss of oil from the lubrication system or turbines. The regulatory agencies have not requested investigation of such potential releases in the absence of suspected impacts to

municipal water supplies. Further assessment would be required to evaluate whether such releases have occurred and if so, the conditions warrant further action.

Several of the parcels include farm labor residences, and/or office buildings and similar improvements. Such structures were not reviewed for the presence and condition of wall board, linoleum, and other potential asbestos containing materials (ACBMs). Due to the age of the Site structures, ACBM's and lead-based paints could be present. If demolition or renovations are to occur, testing for ACBMs by a Certified Asbestos Consultant and for lead-based paint would be required.

9.2 Phase 2

No conditions which appear to have the potential to environmentally impair the Site properties were observed, nor were conditions which appear to have the potential to environmentally impair the Site properties observed.

9.3 Phase 3

Peck

A UST was reportedly removed from the Section 12 yard in the early 1990s. It has not been established if there were fuel releases requiring possible remediation. Accordingly, it is recommended that an assessment be conducted to evaluate the potential for impacts to soils and groundwater.

Closure is required for the Section 5 subsurface drainage basins. It is conceivable that the CRWQCB may allow capping as a method of closure. Any closure method which satisfies the CRWQCB requirements would be a major undertaking.

Wolfsen

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

9.4 Phase 4

Peck

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Burning of empty plastic chemical containers was evident to the east of the area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

9.5 Adjacent Properties

An assessment conducted at a farm operations equipment yard located to the north of the Section 22, T13S/R14E, identified fuel hydrocarbons in soils associated with a leaking UST (BSK, 1996). The assessment report included a recommendation that the impacted soils be removed, or that the area be capped, to protect groundwater quality. BSK is not It is not known if groundwater beneath this site or the adjoining Site properties have been impacted.

No other conditions which appear to have the potential to environmentally impair the Site were identified.

10.0 LIMITATIONS

This report has been prepared for the exclusive use of Westlands Water District in conjunction with the subject settlement agreement. It is strictly prohibited for others to use or rely on the information contained in this report unless given express written consent of BSK Associates.

The findings and conclusions presented in this report are based on field reviews, and data obtained from the sources listed in the report. No other warranty, either express or implied, is made as to the findings or conclusions contained herein.

Industry associations and trade groups have published differing, and sometimes conflicting, guidelines for the preparation of site assessments. In many instances these guidelines provide a level of investigation which differs from current practice and the scope of services presented above. This report has been prepared in accordance with BSK's scope of services in general recognition of, as opposed to specific adherence to, the ASTM standard referenced herein.

The purpose of the assessment was to provide a preliminary evaluation for the possible presence of recognized environmental conditions at the Subject Site. This report provides neither certification nor guarantee that the properties are free of hazardous substance contamination nor individually in compliance with current regulations.

11.0 REFERENCES

ASTM, 2000, American Society for Testing and Materials, *Standards on Environmental Site Assessments for Commercial Real Estate,* E-1527, second edition.

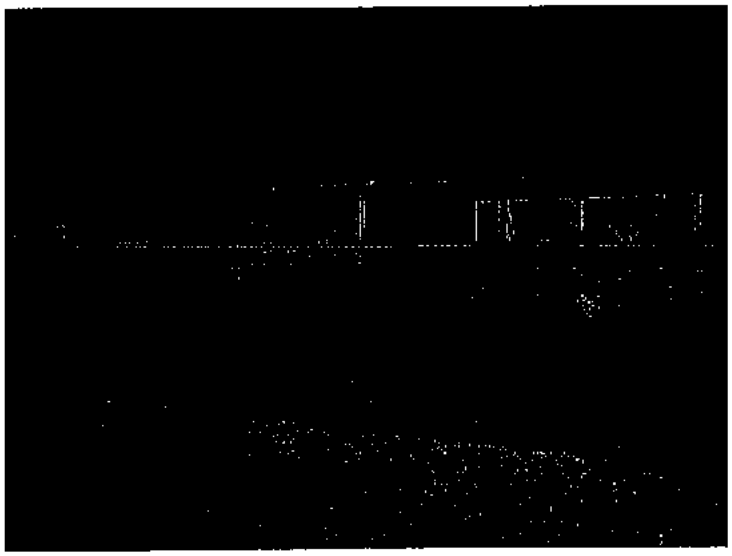
Harradine, Frank F., 1950, *Soils of Western Fresno County, California,* University of California, Berkley, Division of Soils, August 1950

Page, R.W., 1986, *Geology of the Fresh Ground-Water Basin of the Central Valley, California*, U.S. Geologic Survey, Professional Paper 1401-c

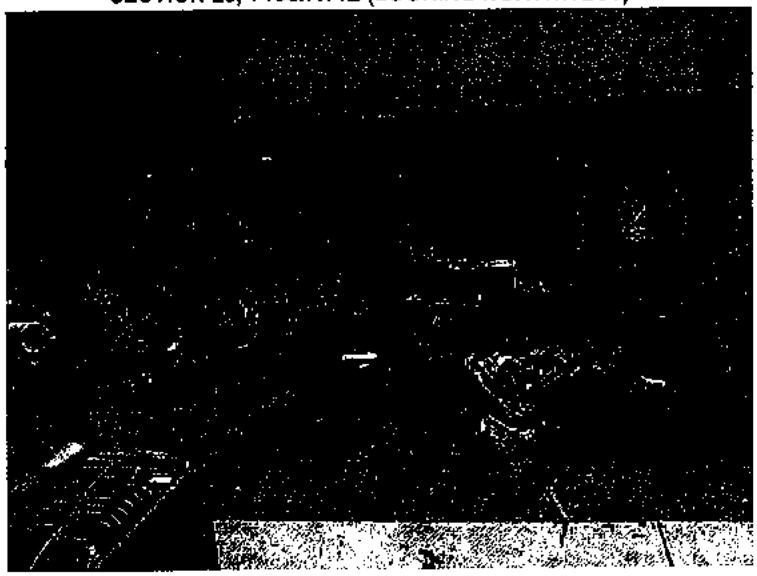
USDA, 1986, United States Department of Agriculture, Soil Conservation Service, *Soil Survey of King County, California. September 1986*

FIGURES

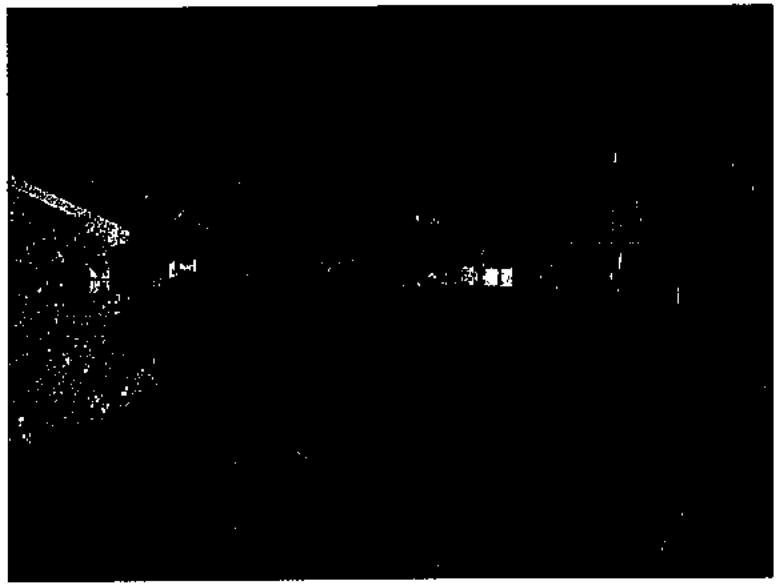
FIGURE 1A
BSK E0313201F
AUGUST 2003



NO. 1 FARM OPERATION YARD - R & J SILVEIRA
SECTION 28, T13S/R14E (LOOKING NORTHWEST)



NO. 3 LOCATION OF FORMER AGTS - T. THOMSEN
SECTION 5, T 17S/R16E (LOOKING EAST)



NO. 2 FARM HEADQUARTERS OFFICE AND EQUIPMENT YARD
T. THOMSEN - SECTION 5, T 17S/R16E
(LOOKING SOUTHEAST)

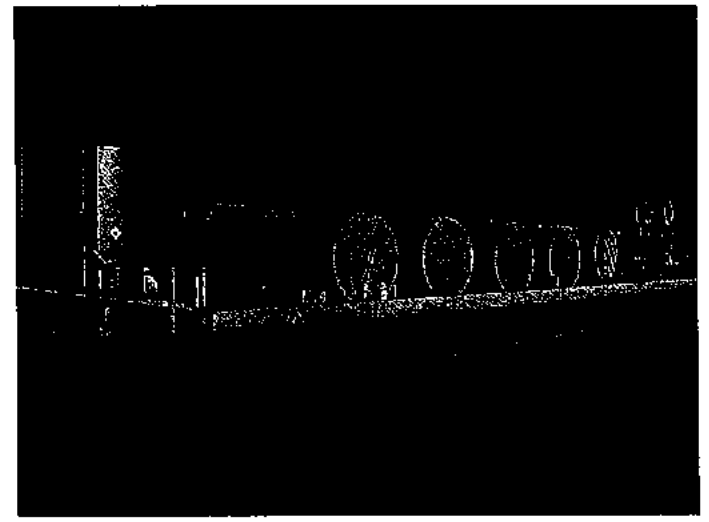
PHASE 2 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 2A
BSK E0313201F
AUGUST 2003

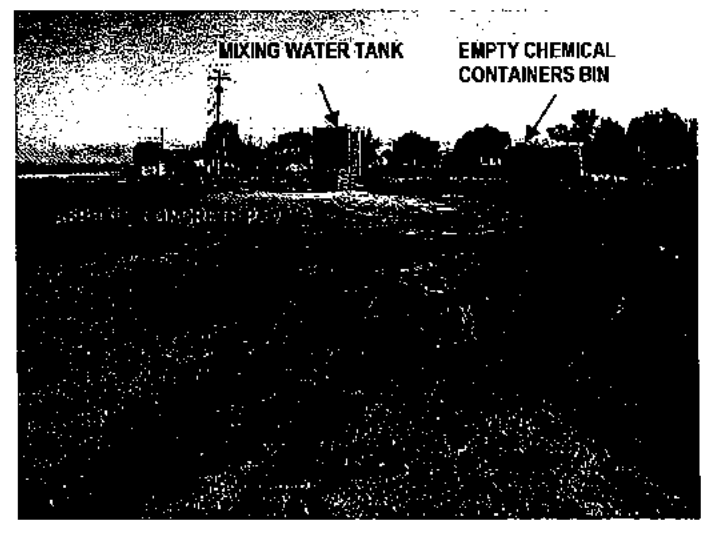
NO. 1 CHEMICAL STORAGE BUILDING - WOLFSEN SECTION 3, T15S/R15E (LOOKING NORTH)



NO. 2 AGTS WITHIN SPILLAGE CONTAINMENT BERM WOLFSEN - SECTION 4, T15S/R15E (LOOKING SOUTHEAST)

NO. 3 EMPTY DRUM STORAGE AREA - WOLFSEN SECTION 4, T15S/R15E (LOOKING NORTHWEST)

NO. 4 WASTE OIL TANK WITHIN SPILLAGE CONTAINMENT BERM - WOLFSEN - SECTION 4, T15S/R15E (LOOKING SOUTHEAST)



NO. 5 DISCOLORED SOILS ADJOINING LANDING STRIP TURN - AROUND AREA—WOLFSEN SECTION 4, T15S/R15E (LOOKING SOUTH)

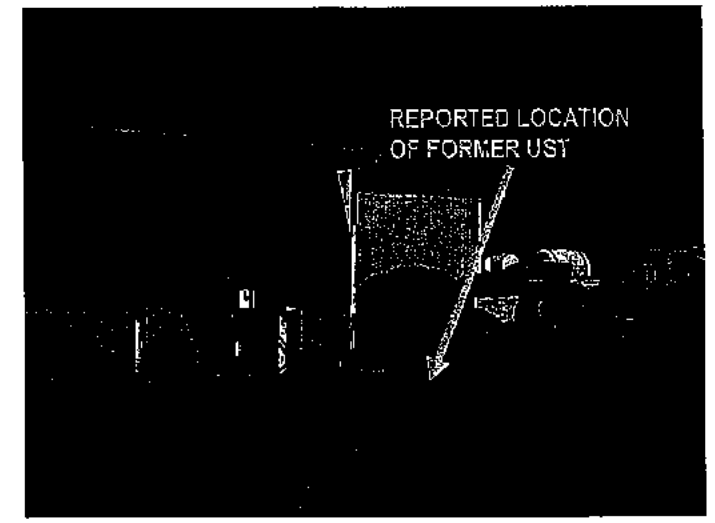
PHASE 3 SITE PROPERTY PHOTOGRAPHS
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 2B
BSK E0313201F
AUGUST 2003

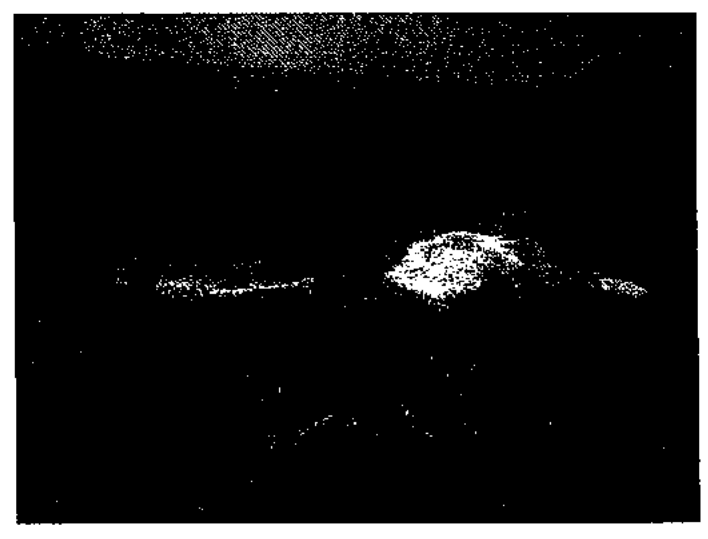
NO. 1 ABOVE-GROUND DIESEL AND LIQUID FERTILIZER TANKS - PECK - SECTION 12

NO. 2 DRUM STORAGE AREA - PECK - SECTION 12 (LOOKING NORTHEAST)

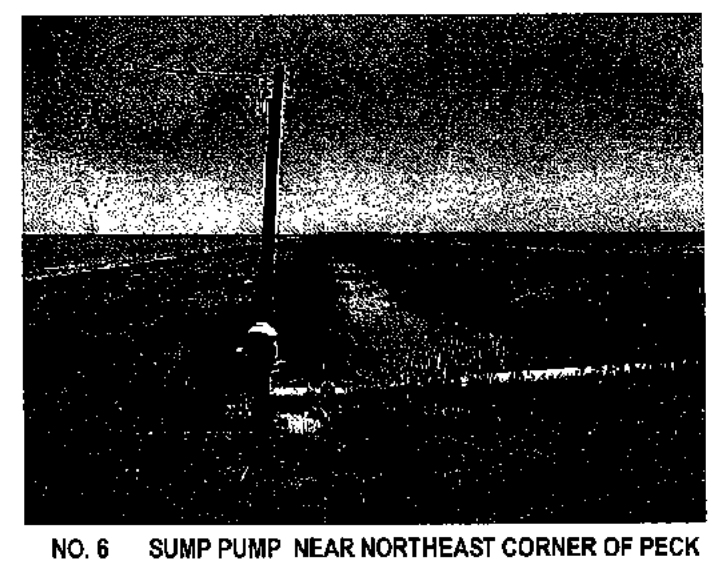


NO. 3 WASTE OIL TANK ON EAST SIDE OF TIRE MAINTENANCE SHOP. - PECK - SECTION 5, T16S/R15E (LOOKING WEST)

NO. 4 UNLINED WASH RACK WASTEWATER DISPOSAL SUMP - SECTION 4, T15S/R15E (LOOKING WEST)



NO. 5 ACCUMULATED SALT WITHIN DRAINAGE DISCHARGE BASIN. - PECK - SECTION 5, T16S/R15E (LOOKING WEST)



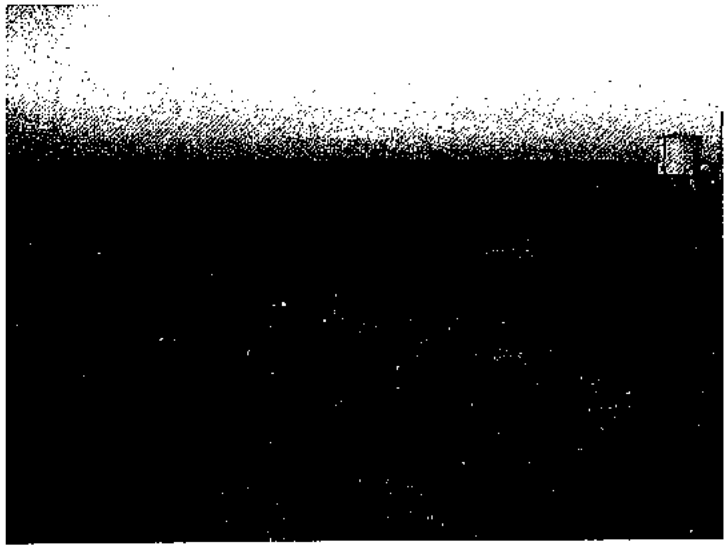
NO. 6 SUMP PUMP NEAR NORTHEAST CORNER OF PECK DRAINAGE BASINS—SECTION 5, T16S/R15E

PHASE 3 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 3A
BSK E0313201F
AUGUST 2003



NO. 1 CROP DUSTER LANDING STRIP - PECK - SECTION 12 (LOOKING NORTHEAST)

NO. 2 GASOLINE AND DIESEL AGTS - THOMSEN SECTION 15, T 17S/R16E (LOOKING SOUTHEAST)

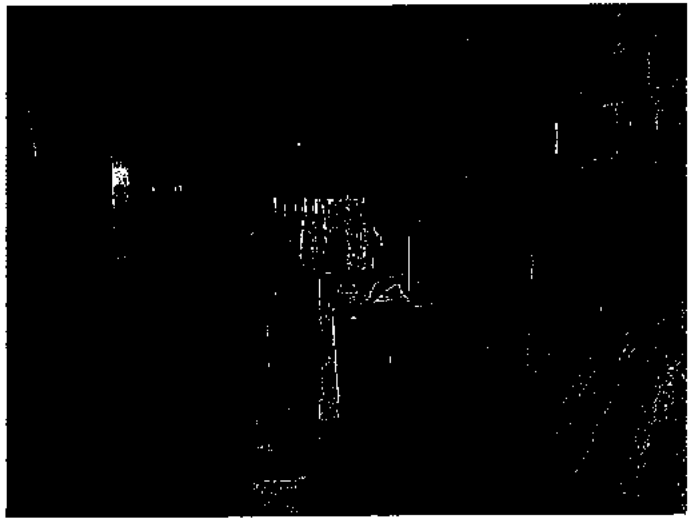
NO. 3 FARM VEHICLE EQUIPMENT MAINTENENCE AREA. THOMSEN - SECTION 15, T 17S/R16E (LOOKING WEST)

PHASE 4 SITE PROPERTY PHOTOGRAPHS

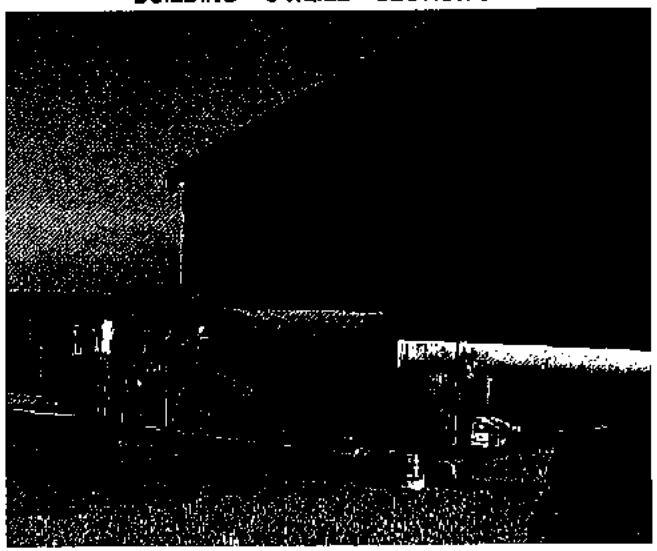
LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

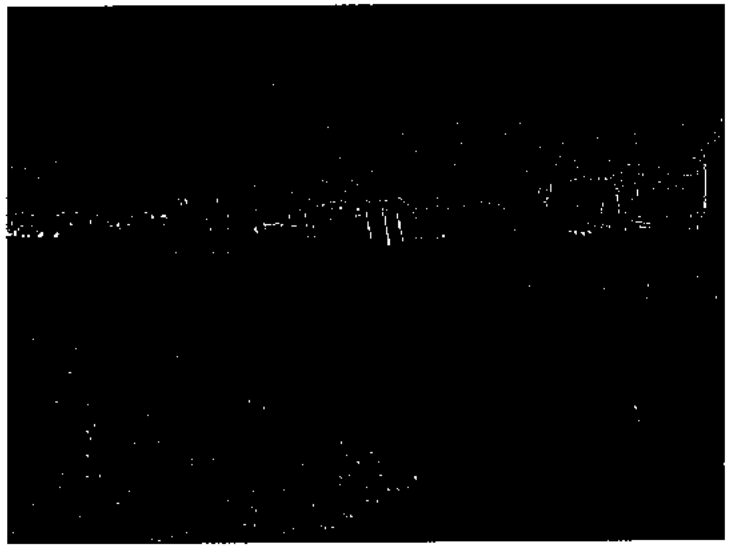
FIGURE 3B
BSK E0313201F
AUGUST 2003



NO. 1 LUBE OIL STORAGE AREA WITHIN MAINTENANCE BUILDING - O'NEILL - SECTION 3



NO. 3 WASTE OIL TANK ON NORTH SIDE OF MAINTENANCE BUILDING - O'NEILL - SECTION 3 (LOOKING SOUTHEAST)



NO. 2 EQUIPMENT STORAGE AREA - O'NEILL - SECTION 3 (LOOKING EAST)

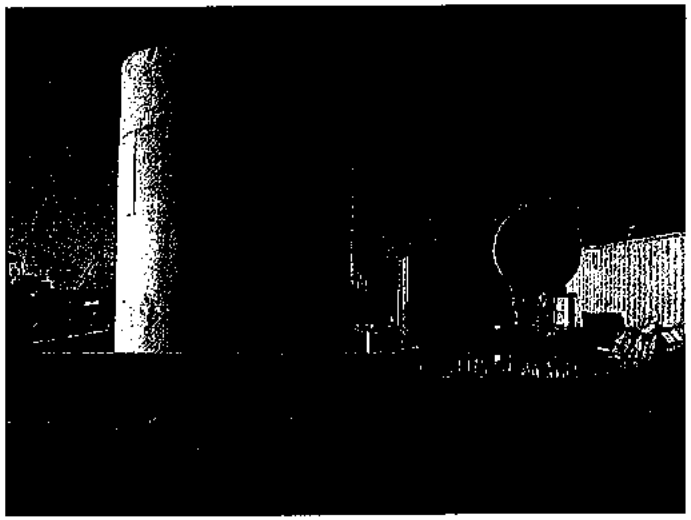
PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

FIGURE 3C
BSK E0313201F
AUGUST 2003

NO. 1 CHEMICAL STORAGE BUILDING - ORFF
SECTION 31, T15S/R15E (LOOKING NORTH)



NO. 2 GASOLINE AND DIESEL AGTS - ORFF
SECTION 31, T 15S/R15E (LOOKING EAST)

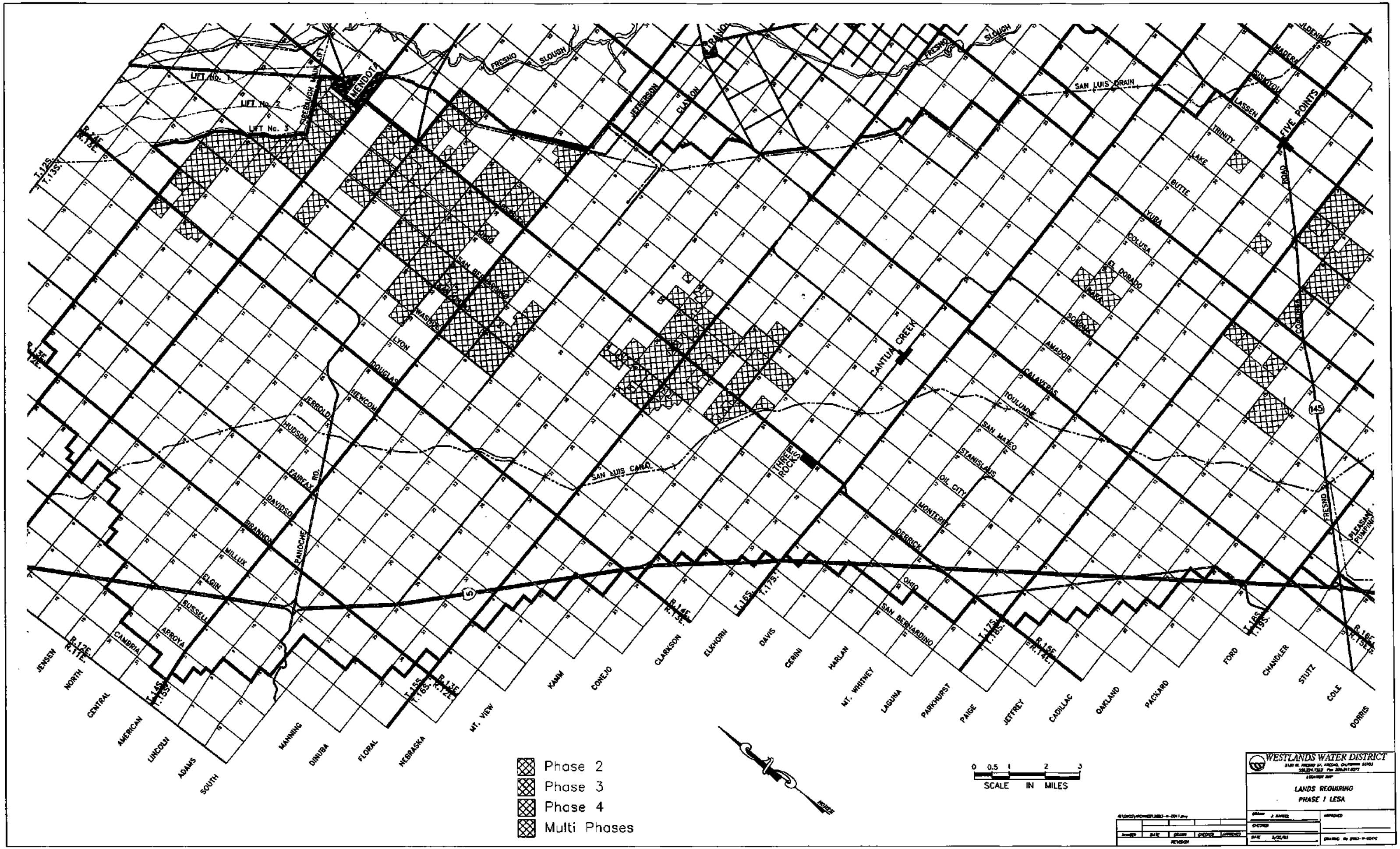
NO. 3 VEHICLE AND EQUIPMENT STORAGE AREA IN
EASTERN PORTION OF FACILITY - ORFF
SECTION 31, T 15S/R15E (LOOKING EAST)

PHASE 4 SITE PROPERTY PHOTOGRAPHS

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
33,400 ACRES OF FARMLAND
WITHIN THE WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNIA

BSK

APPENDIX A

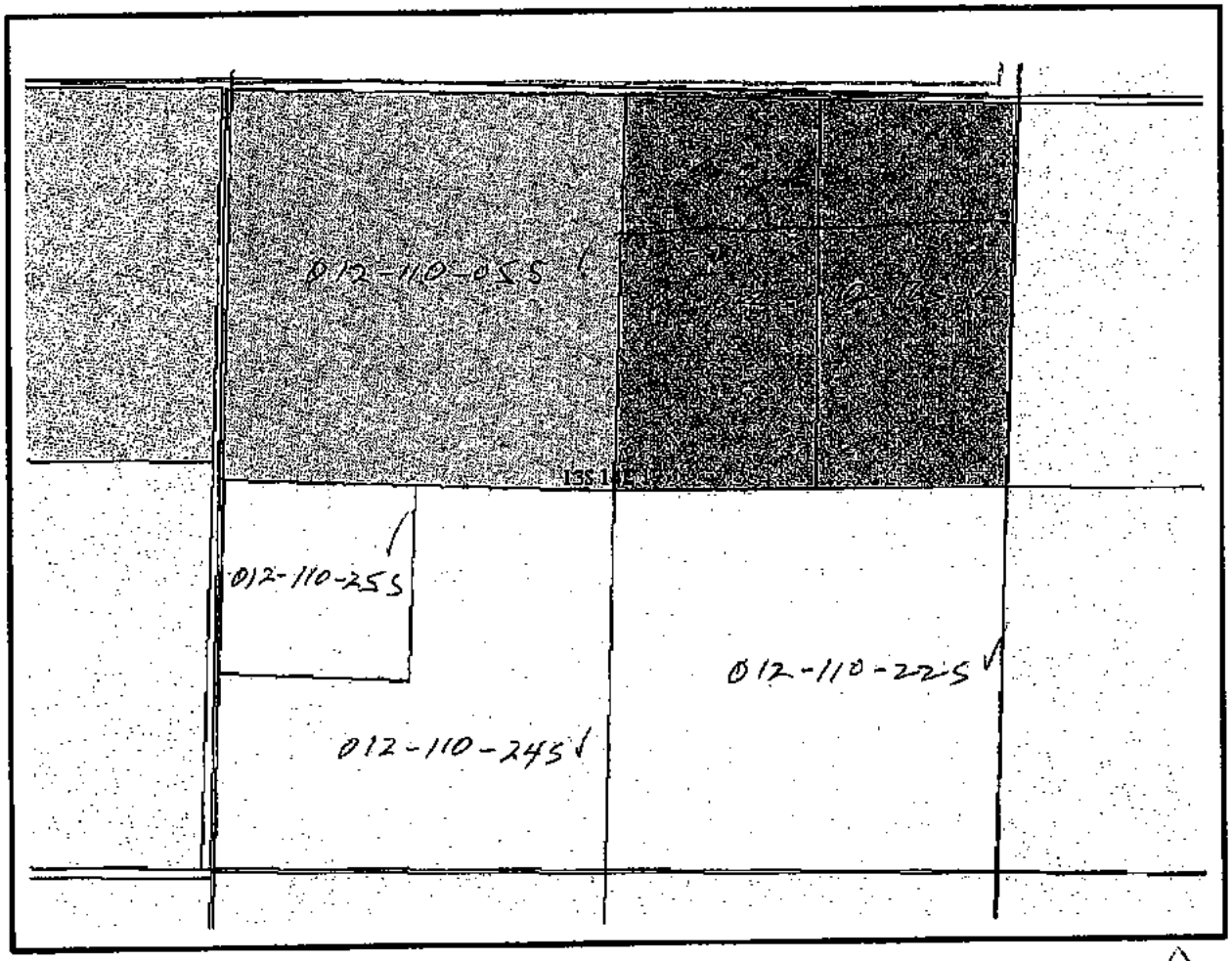


LIFT No. 1
LIFT No. 2
LIFT No. 3
MENDOTA
FRESNO SLOUGH
JEFFERSON
CLAYTON
SAN LUIS DRAIN
SAN LUIS CANAL
CANTUA CREEK
THREE ROCKS
FIVE POINTS
ROAD
LASSEN
TRINITY
LAKE
BUTTE
YUBA
COLUSA
EL DORADO
AMADOR
CALAVERAS
TOULUMNE
SAN MATEO
STANISLAUS
OIL CITY
MONTEREY
DERRICK
OHIO
SAN BERNARDINO
LYON
DOUGLAS
NEWCOM
JERROLD
HUDSON
FAIRFAX RD.
DAVIDSON
BRANNON
PANOCHE
MILLUX
ELGIN
RUSSELL
ARROYA
CAMBRIA
JENSEN
NORTH
CENTRAL
AMERICAN
LINCOLN
ADAMS
SOUTH
MANNING
DINUBA
FLORAL
NEBRASKA
MT. VIEW
KAMM
CONEJO
CLARKSON
ELKHORN
DAVIS
CERINI
HARLAN
MT. WHITNEY
LAGUNA
PARKHURST
PAIGE
JEFFREY
CADILLAC
OAKLAND
PACKARD
FORD
CHANDLER
STUTZ
COLE
DORRIS
PLEASANT PUMPING
FRESNO
145
5
Phase 2
Phase 3
Phase 4
Multi Phases
0 0.5 1 2 3
SCALE IN MILES
NORTH
WESTLANDS WATER DISTRICT
LANDS REQUIRING
PHASE I LESA

R. D. ALLEN

ESRI ArcExplorer 2.0

Map Title



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- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

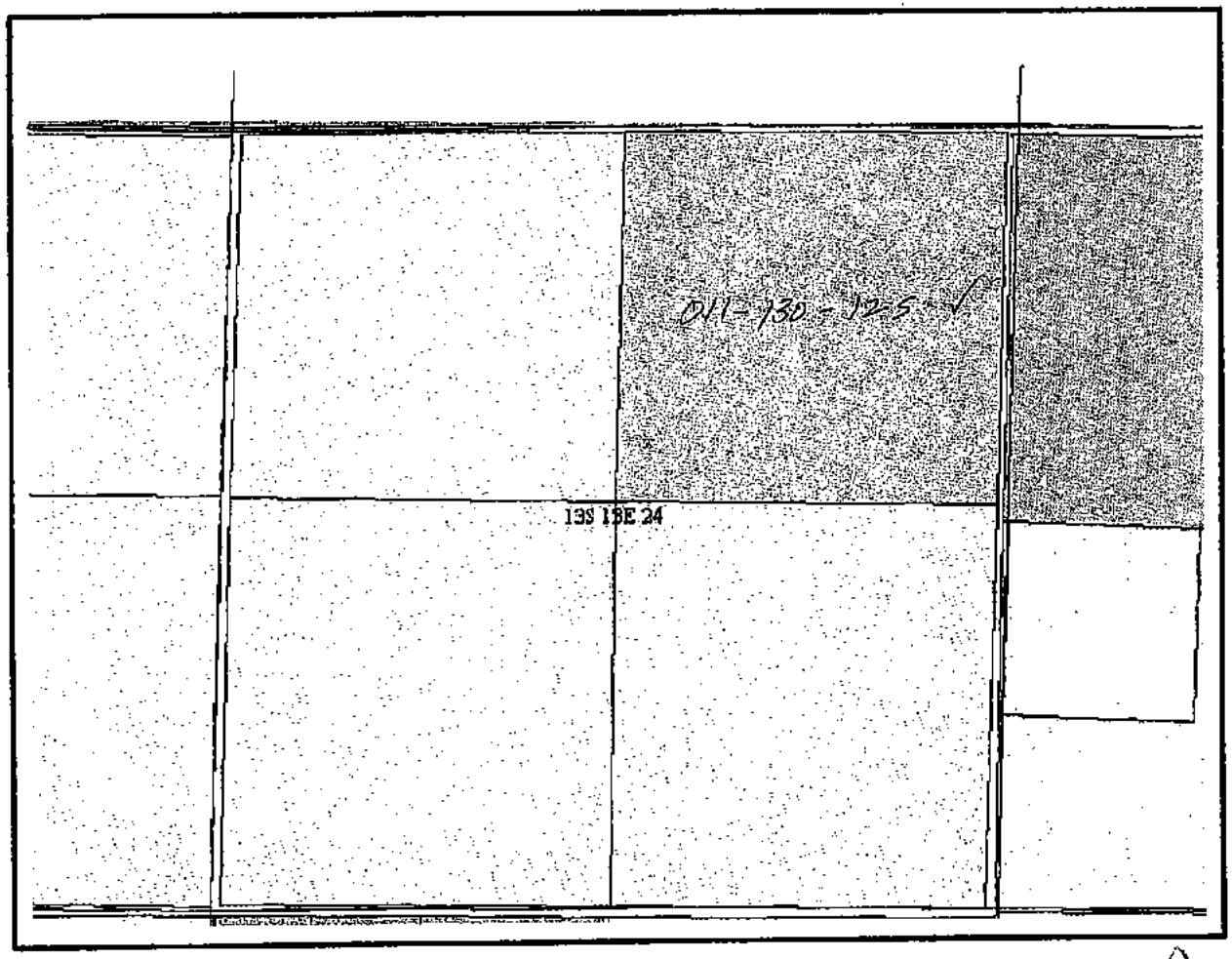
N

Wednesday, May 7 2003

A.E. ALLEN

ESRI ArcExplorer 2.0

Map Title



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- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
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- WWDBoundryCalIV
- retirelands

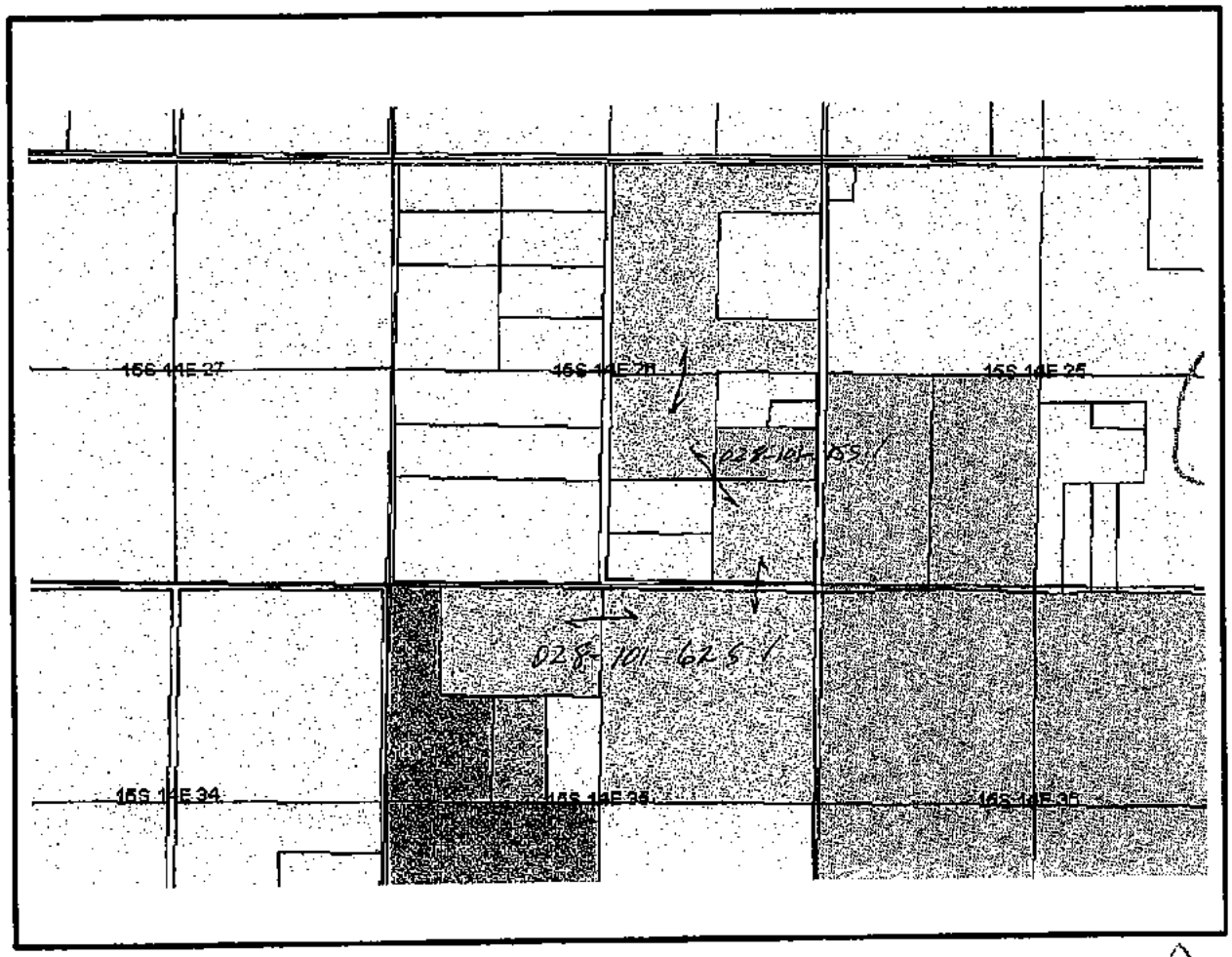
N

Wednesday, May 7 2003

ETCHEBERRY

ESRI ArcExplorer 2.0

Map Title



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- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
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- retirelands

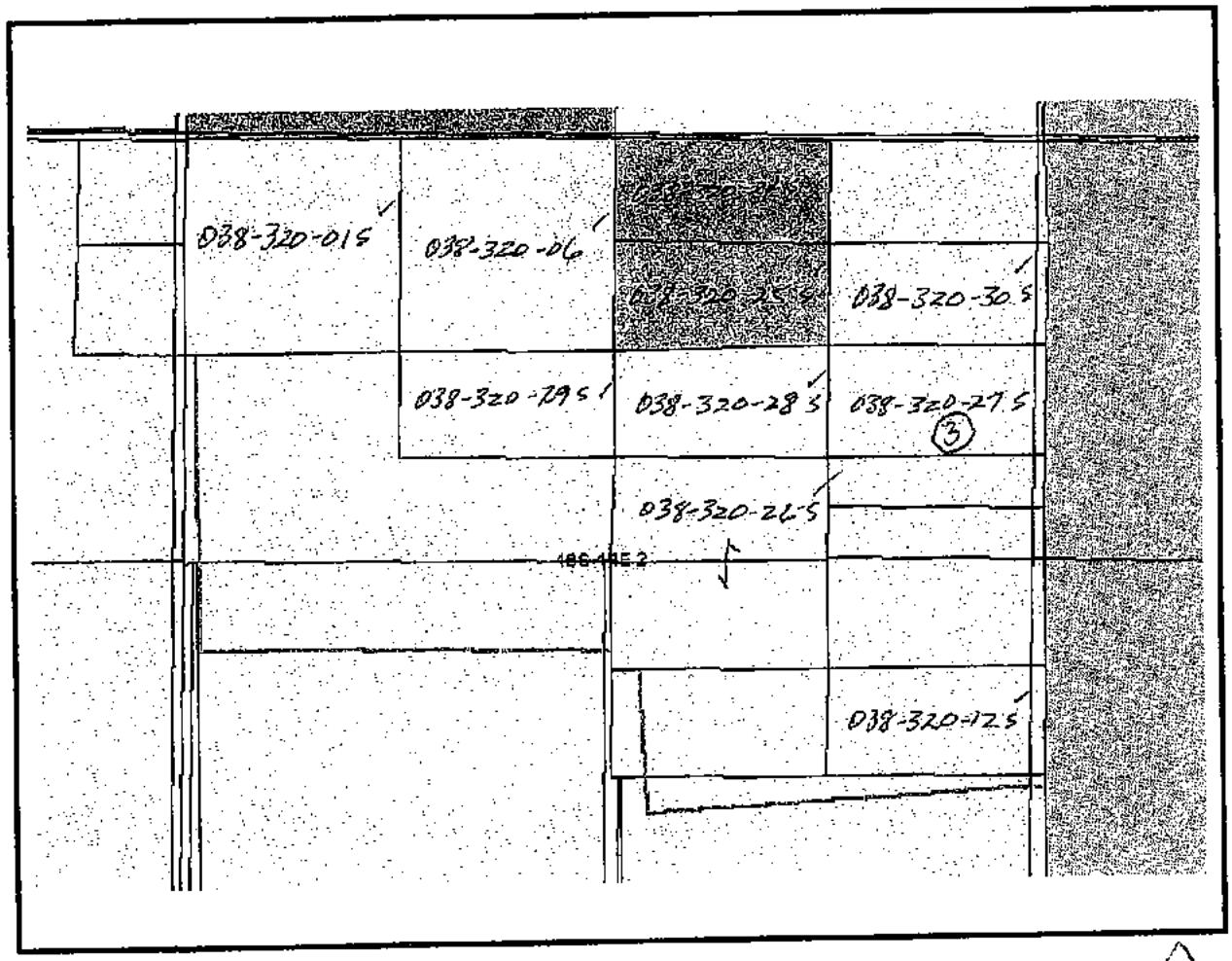
N

Wednesday, May 7 2003

GUENTHER #1

ESRI ArcExplorer 2.0

Map Title



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a2a3
a2a3a4
a3a4
phase4
phase3
phase2
200k_CA_IV
wwdpavedroadscaliv
WWDBoundryCalIV
retirelands

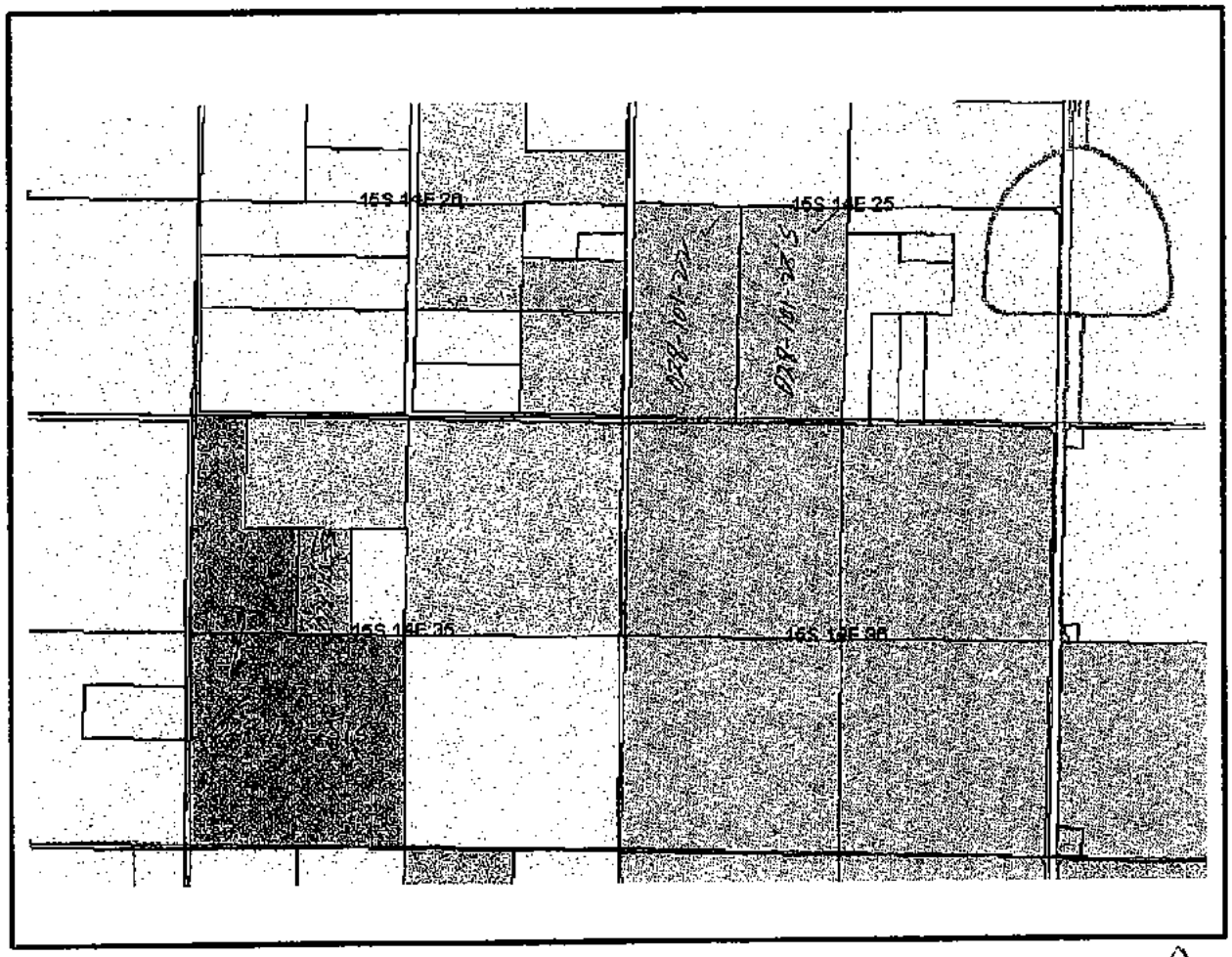
N

Wednesday, May 7 2003

GUENTHER #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

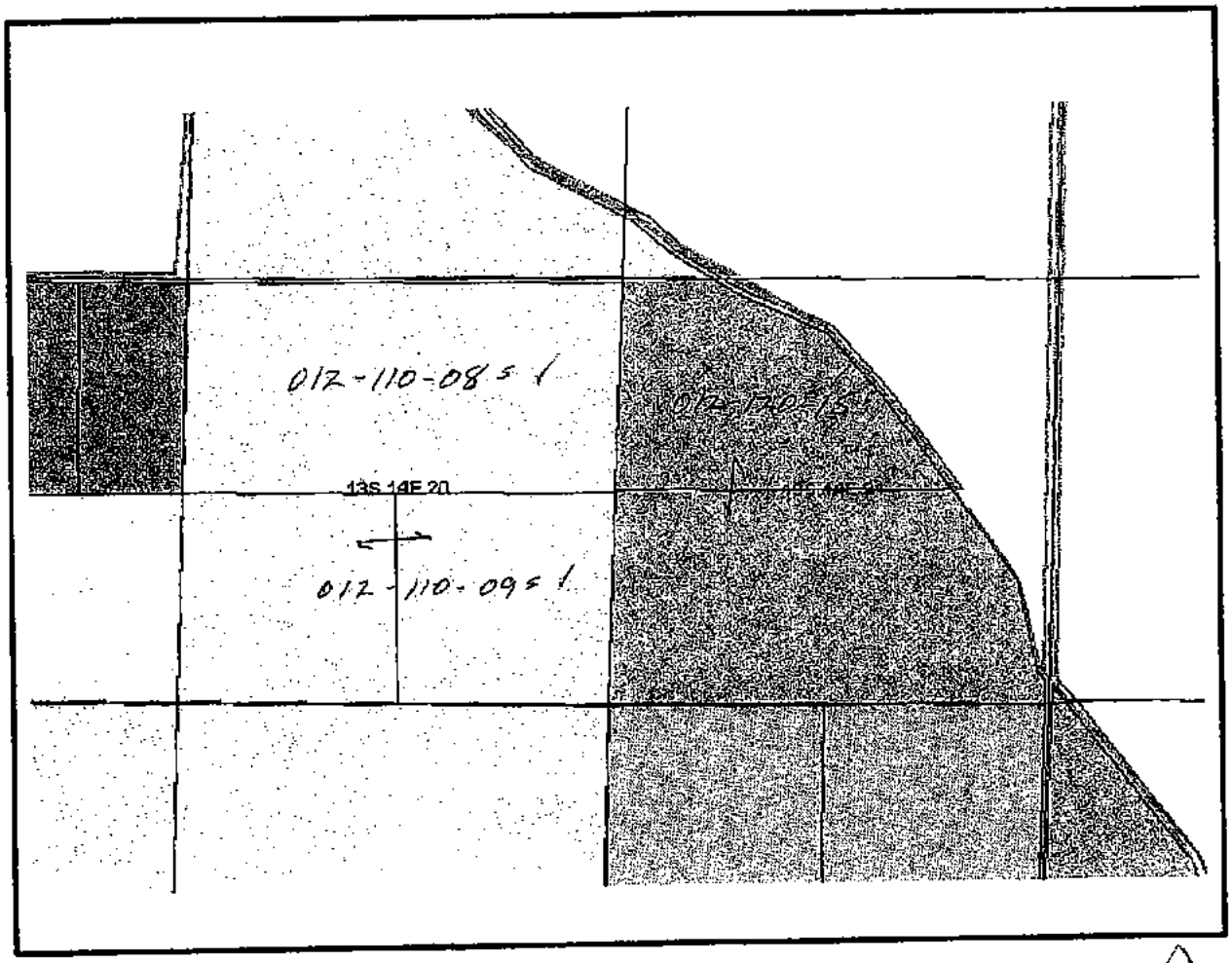
N

Wednesday, May 7 2003

JONES #1

ESRI ArcExplorer 2.0

Map Title



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- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

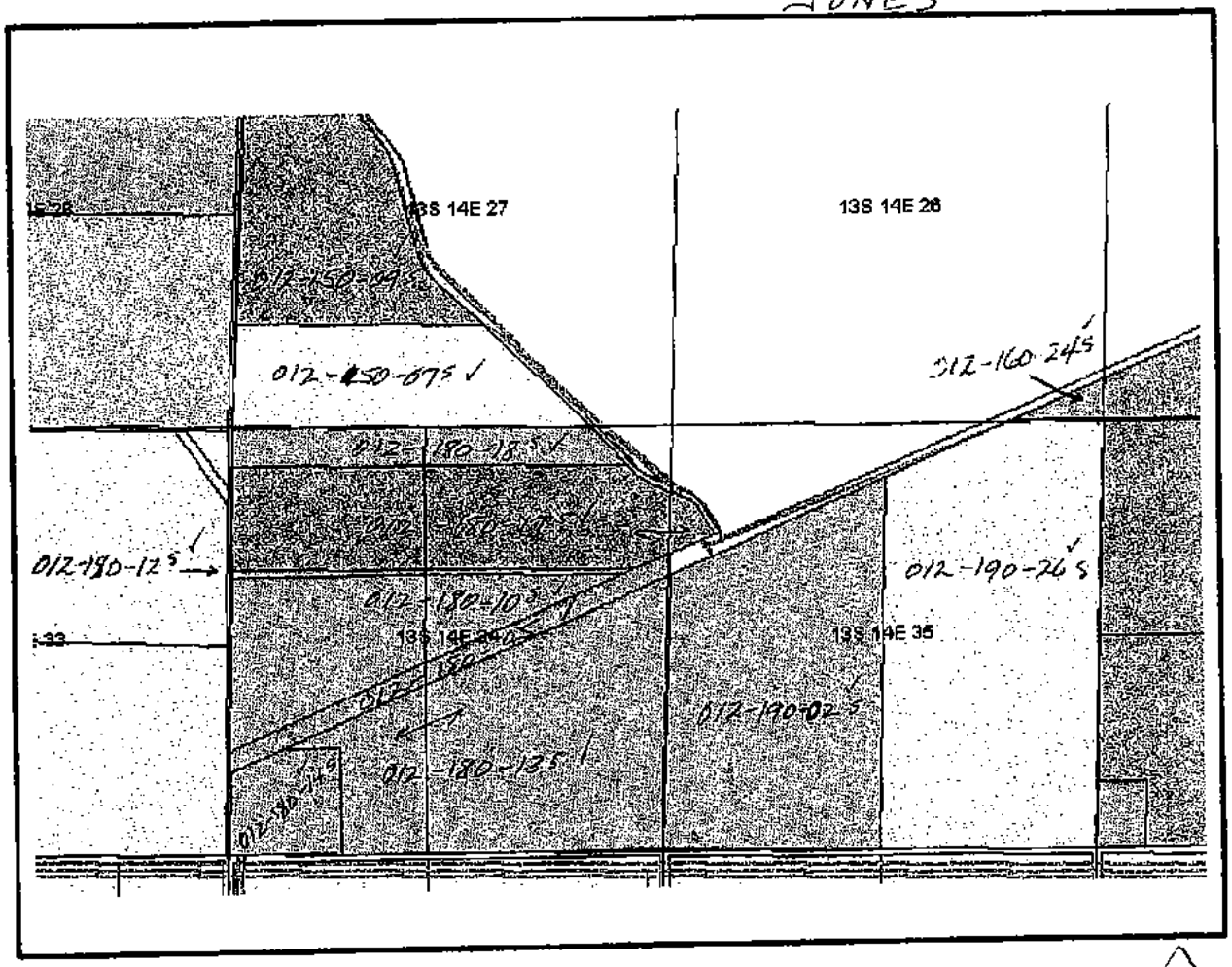
Wednesday, May 7 2003

JONES #2

ESRI ArcExplorer 2.0

Map Title

JONES



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- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

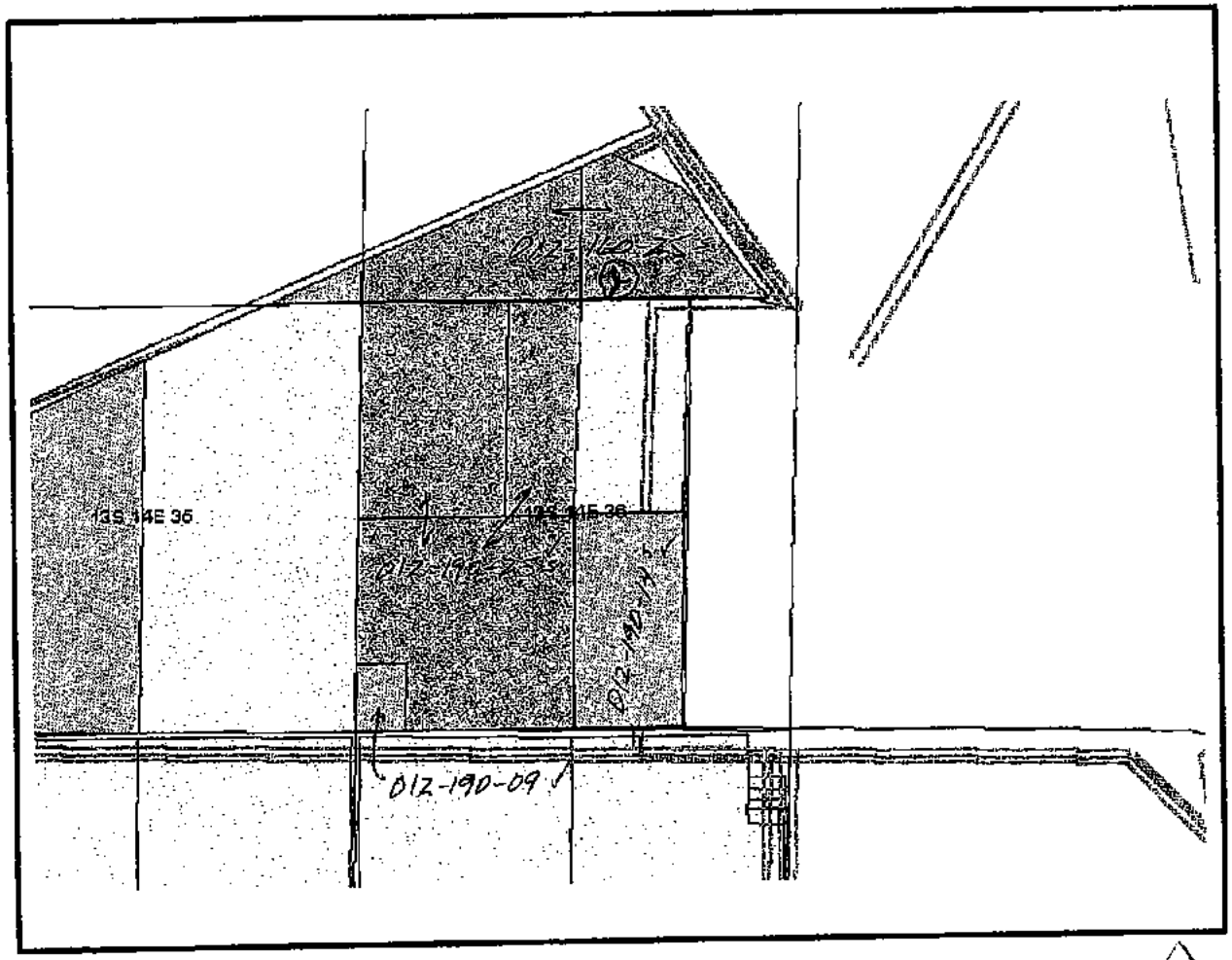
N

Wednesday, May 7 2003

JONES #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

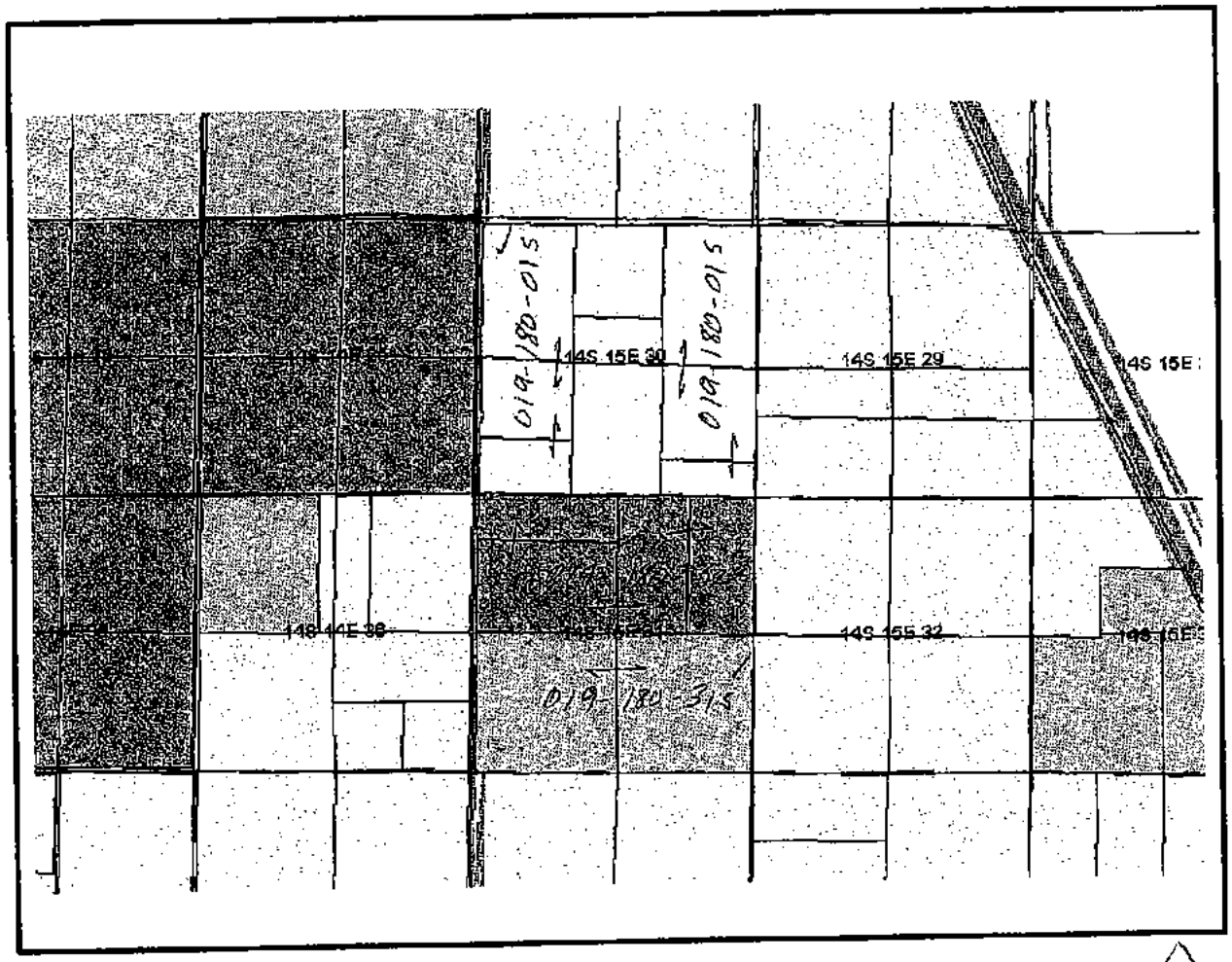
N

Wednesday, May 7 2003

KRIESANT #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

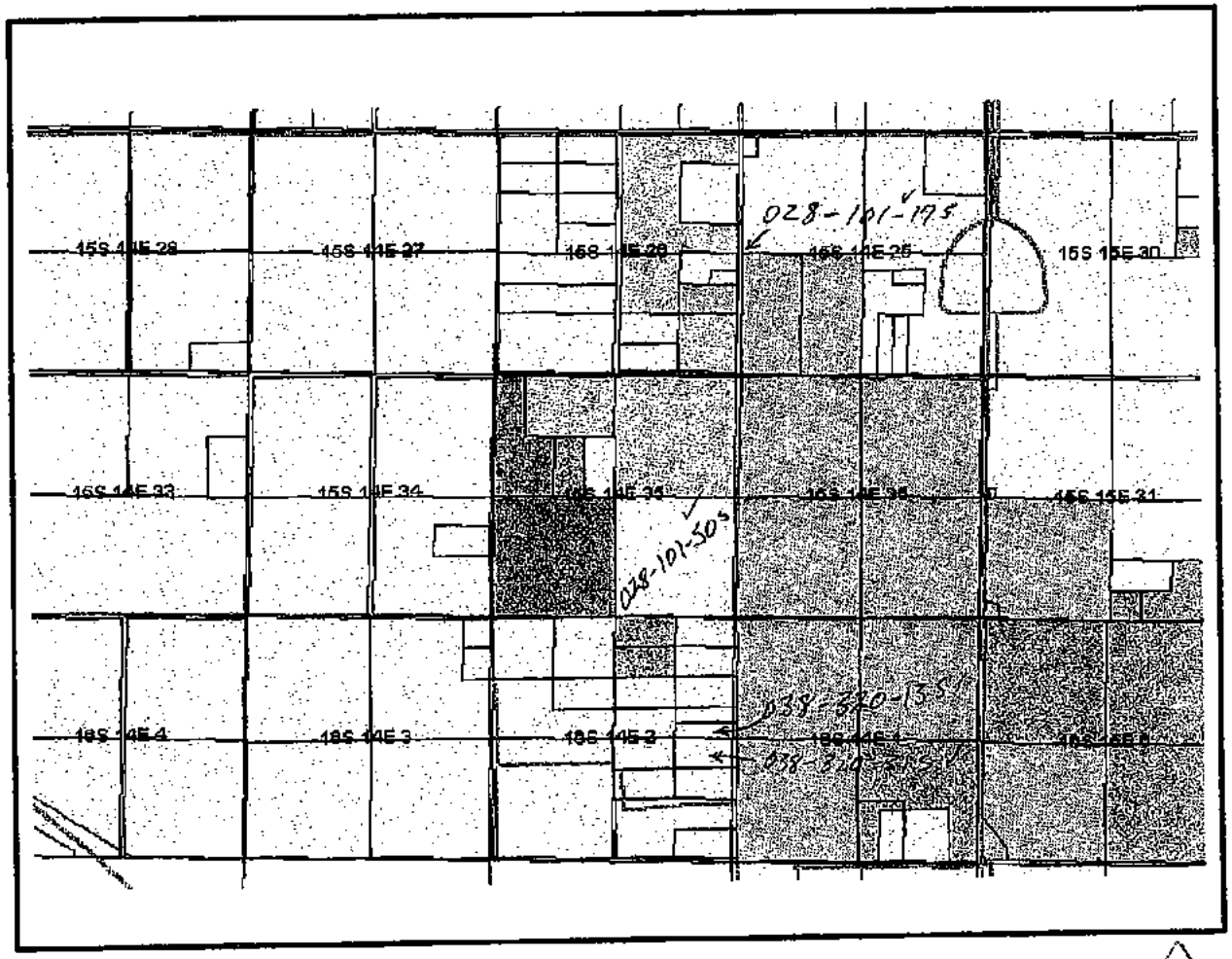
N

Thursday, May 8 2003

KRIESANT 82

ESRI ArcExplorer 2.0

Map Title



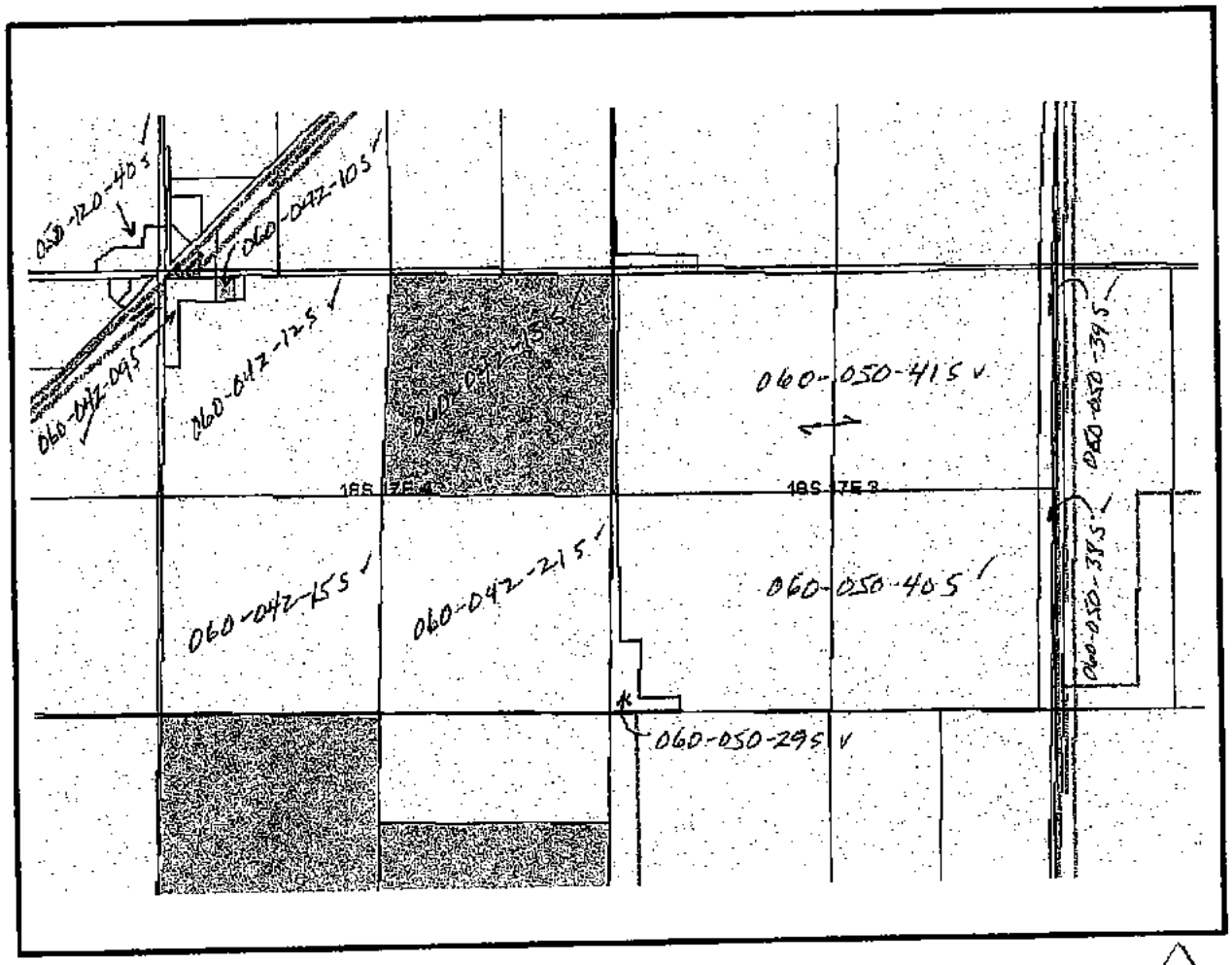
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

Thursday, May 8 2003

O'NEILL #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

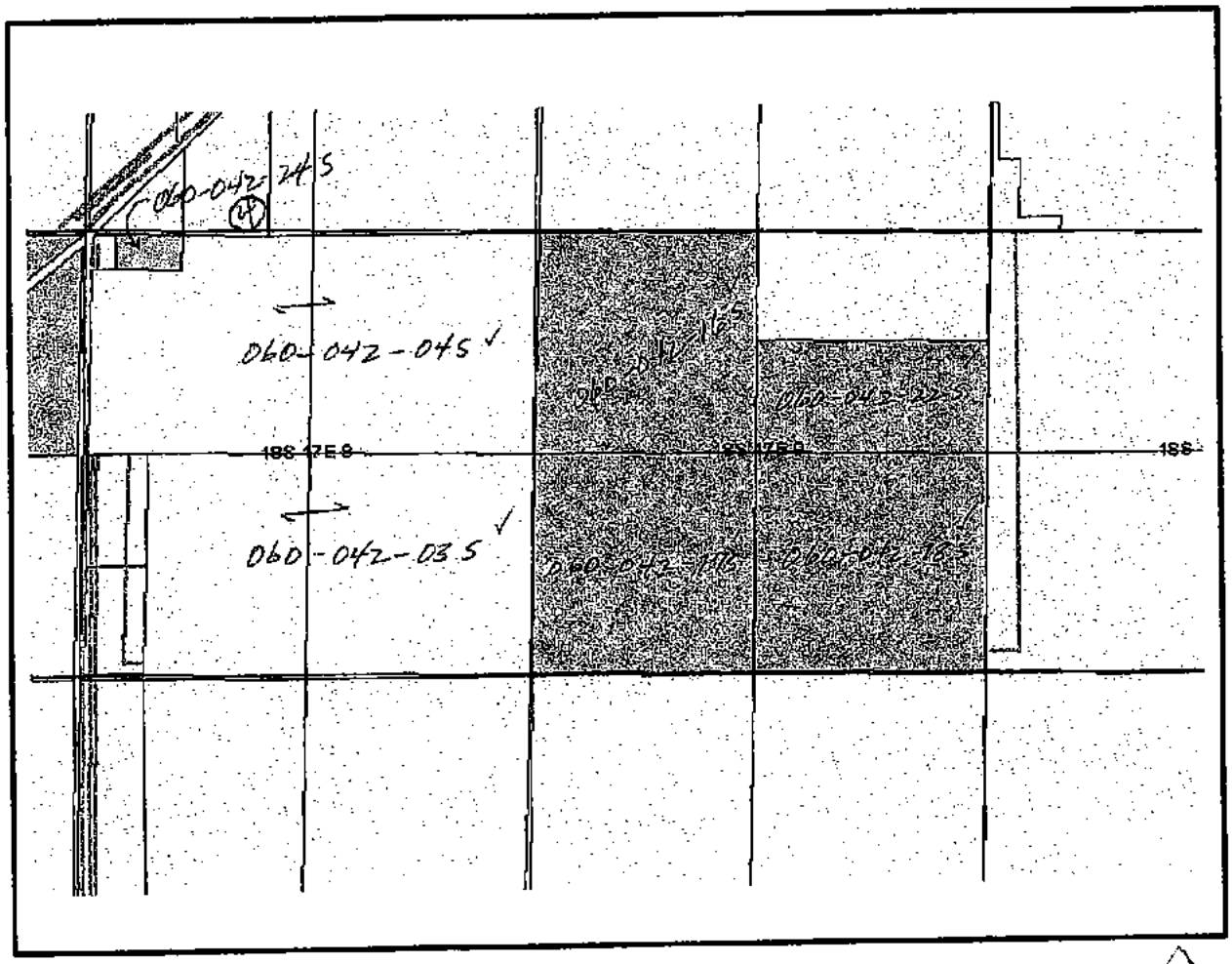
N

Thursday, May 8 2003

O'NEILL #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

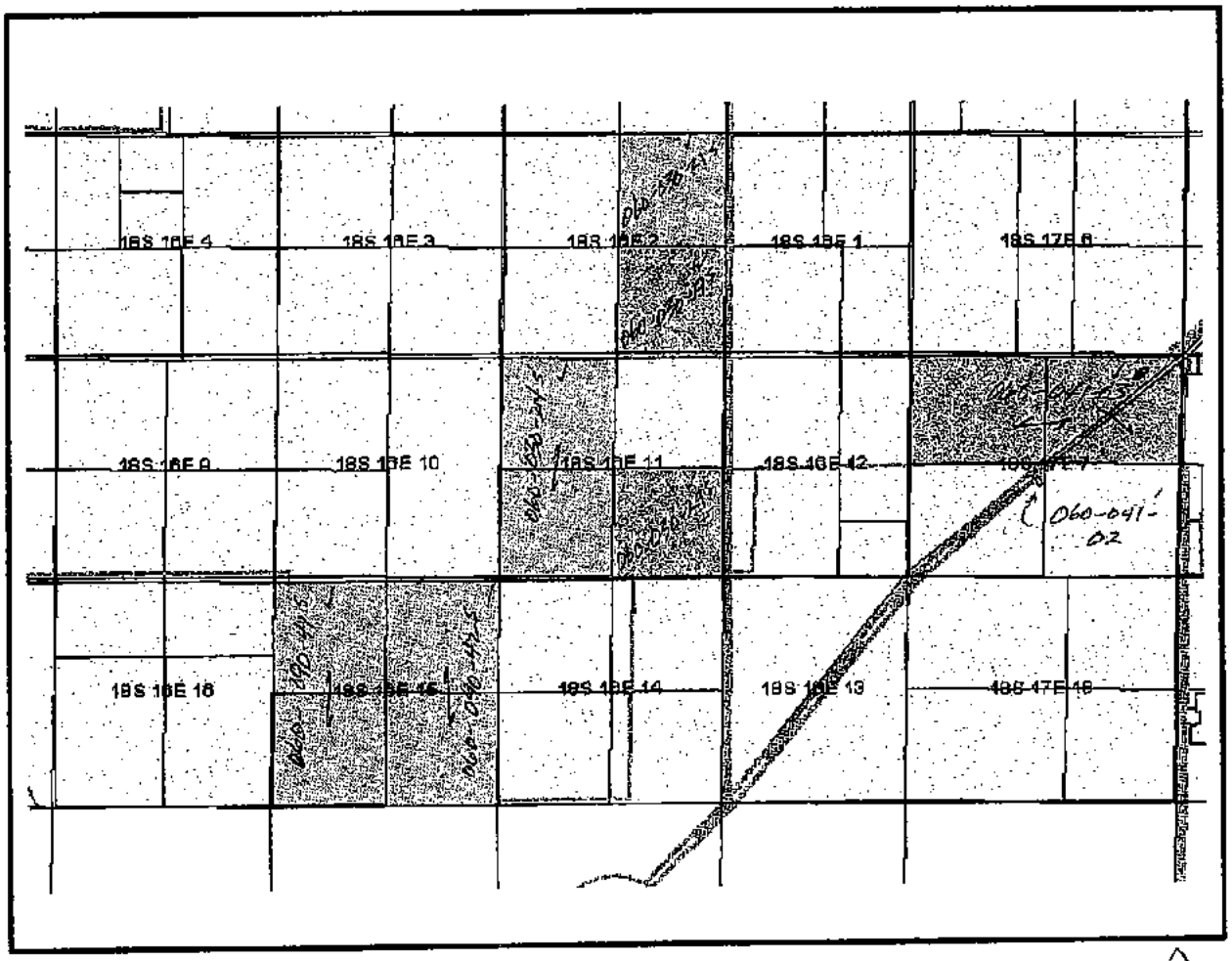
N

Thursday, May 8 2003

O'NEILL #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

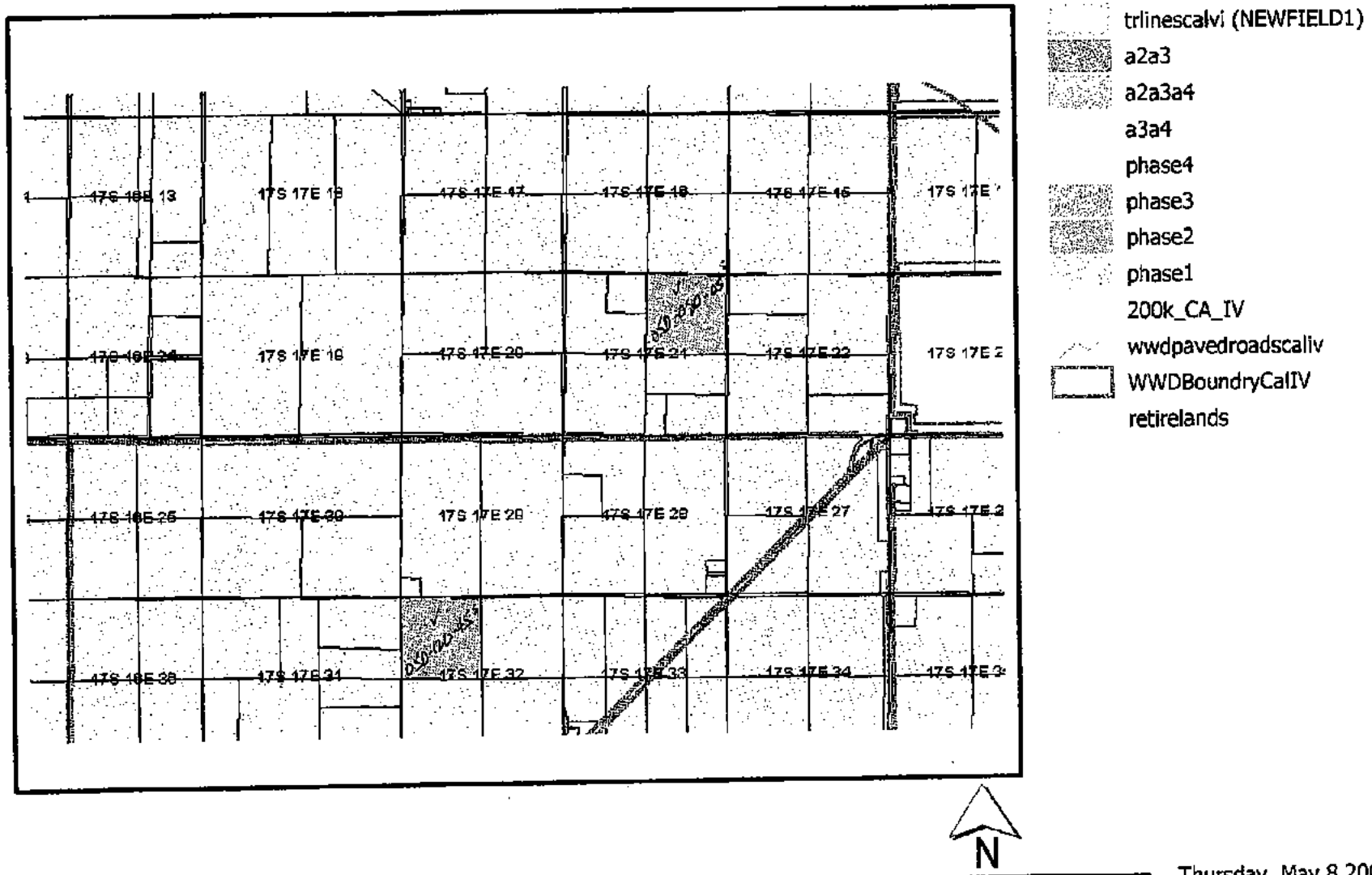
N

Thursday, May 8 2003

O'Neil #4

ESRI ArcExplorer 2.0

Map Title



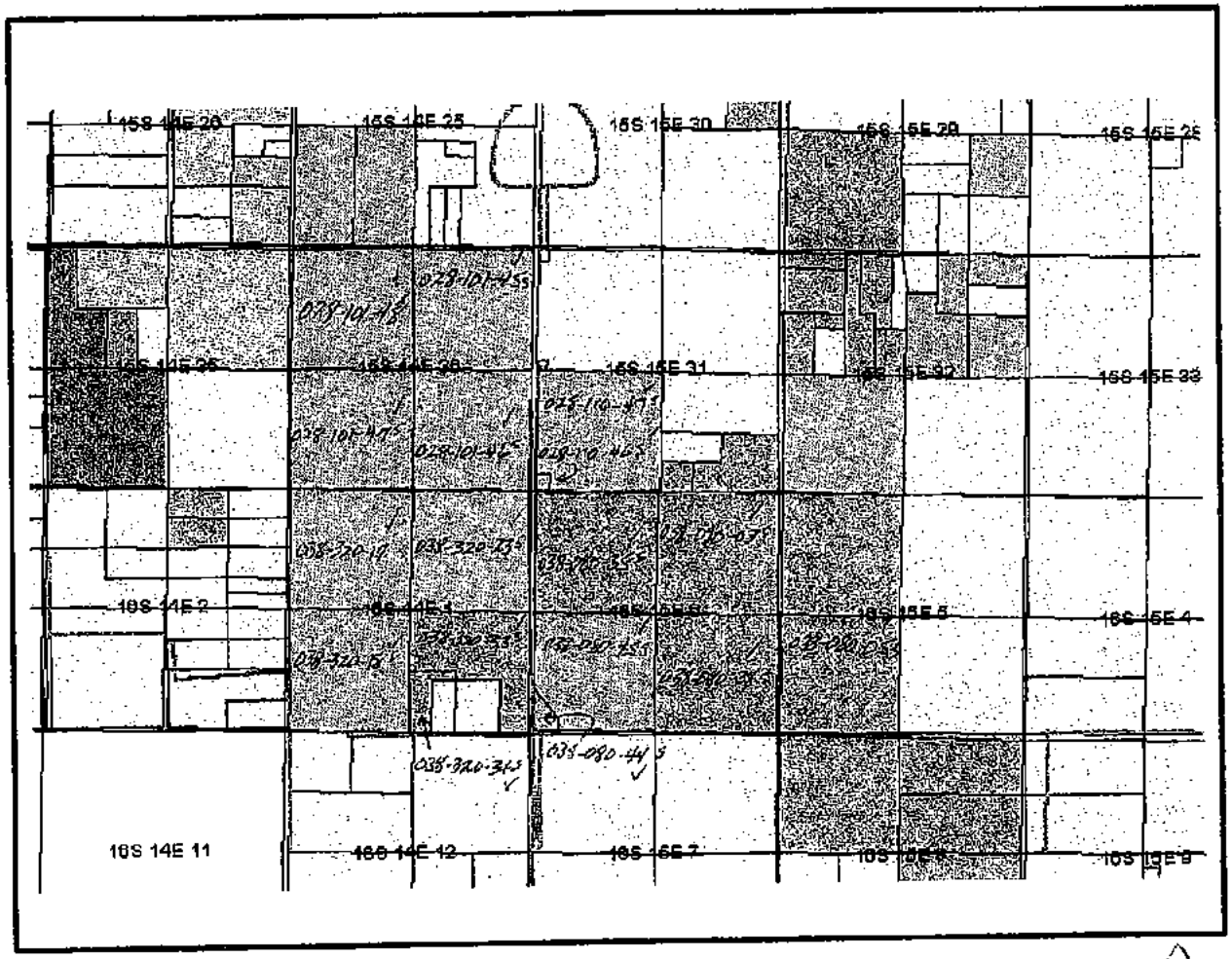
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

Thursday, May 8 2003

PECK #1

ESRI ArcExplorer 2.0

Map Title



- trilinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

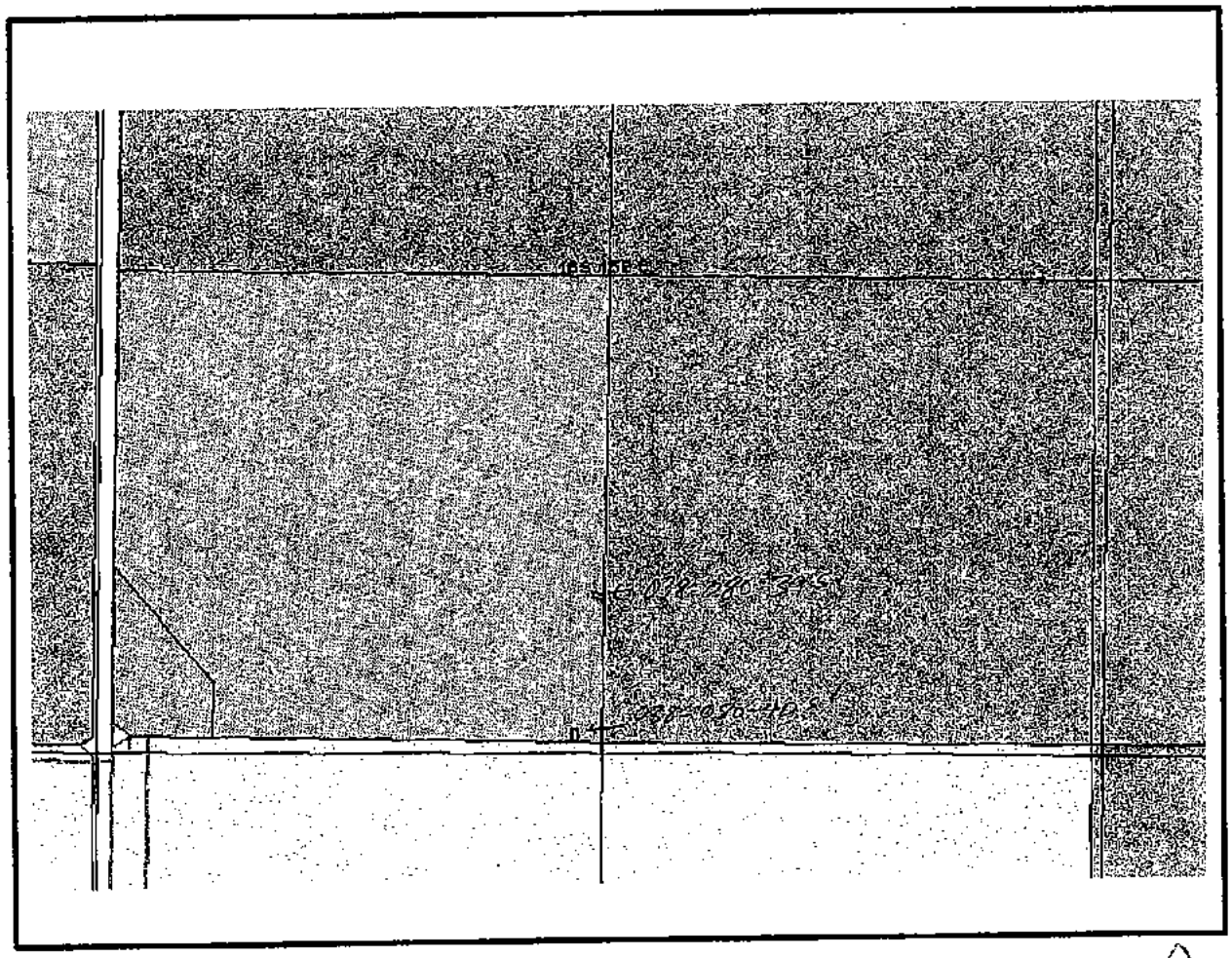
N

Friday, May 9 2003

PECK #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

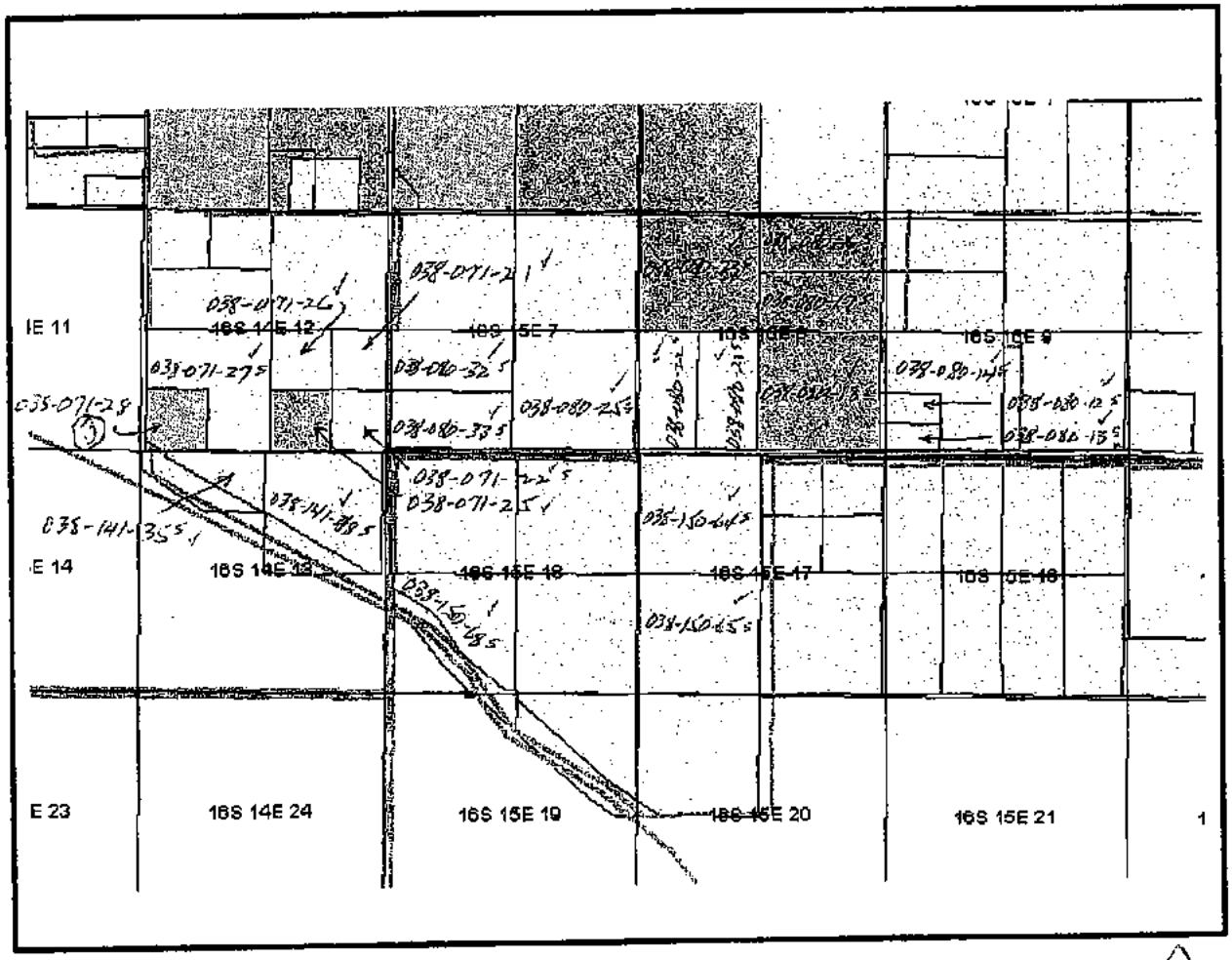
N

Friday, May 9 2003

Peck #5

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

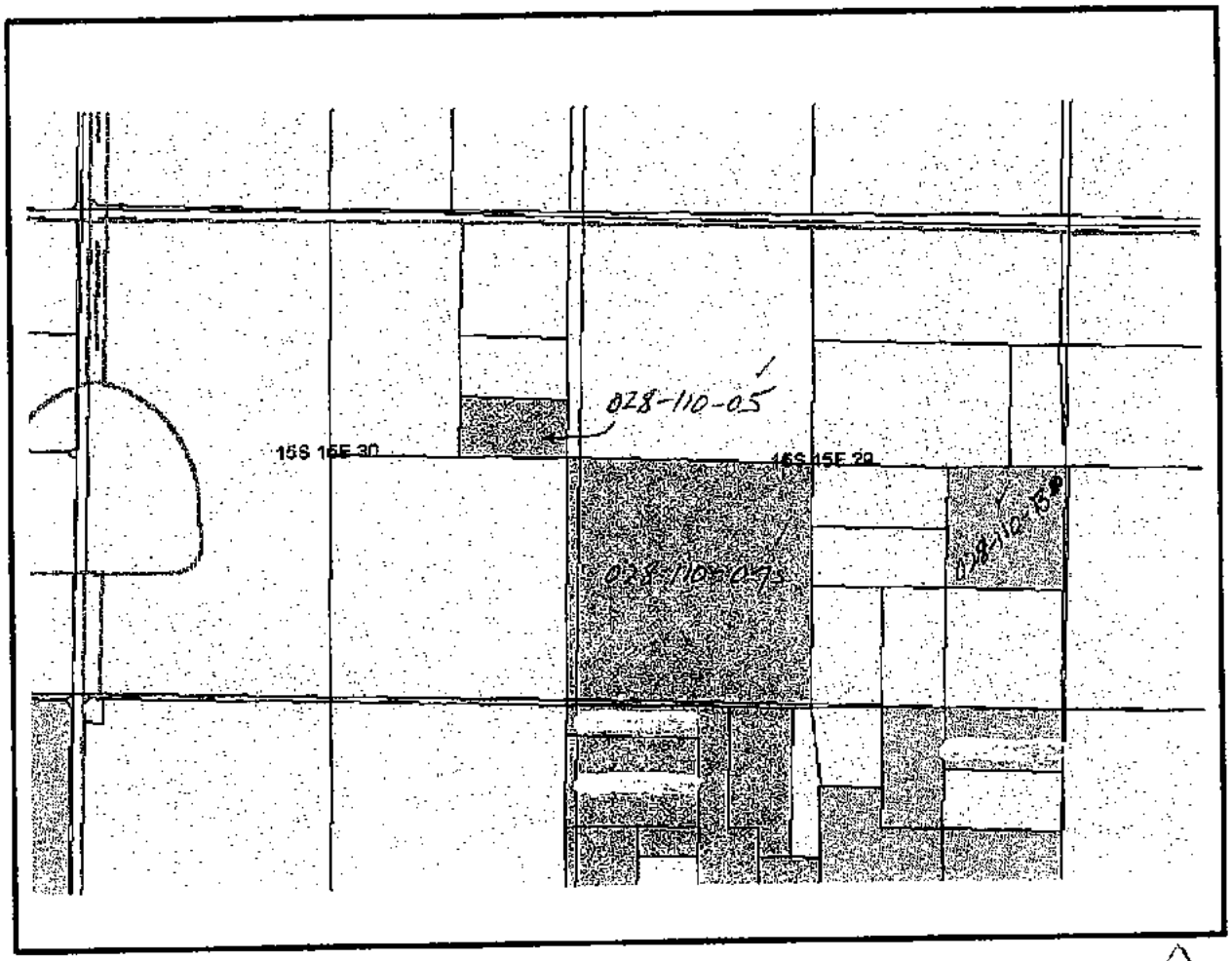
N

Friday, May 9 2003

ORFF #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

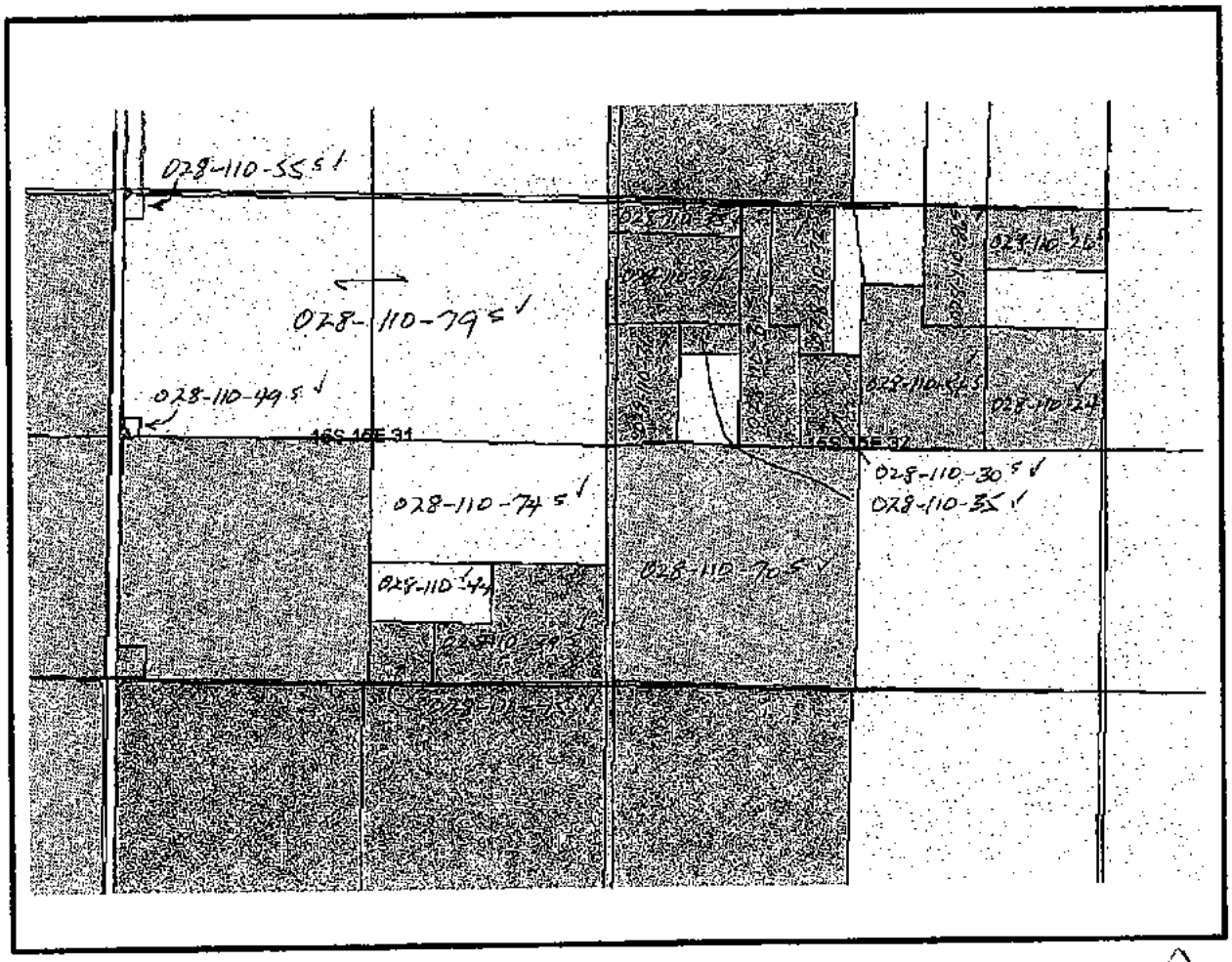
N

Friday, May 9 2003

ORFF #2

ESRI ArcExplorer 2.0

Map Title



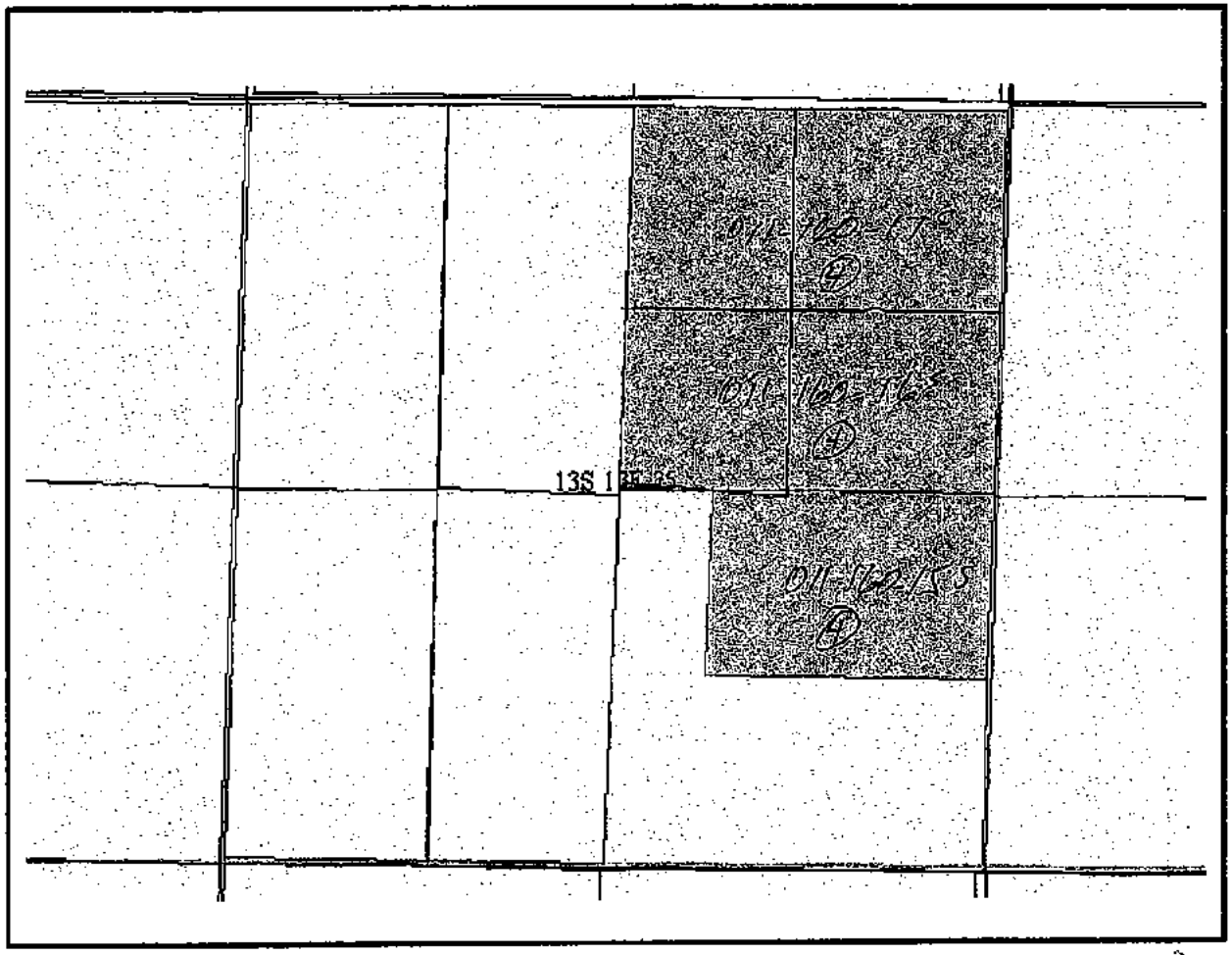
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Friday, May 9 2003

ESRI ArcExplorer 2.0 Seashotty #1

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

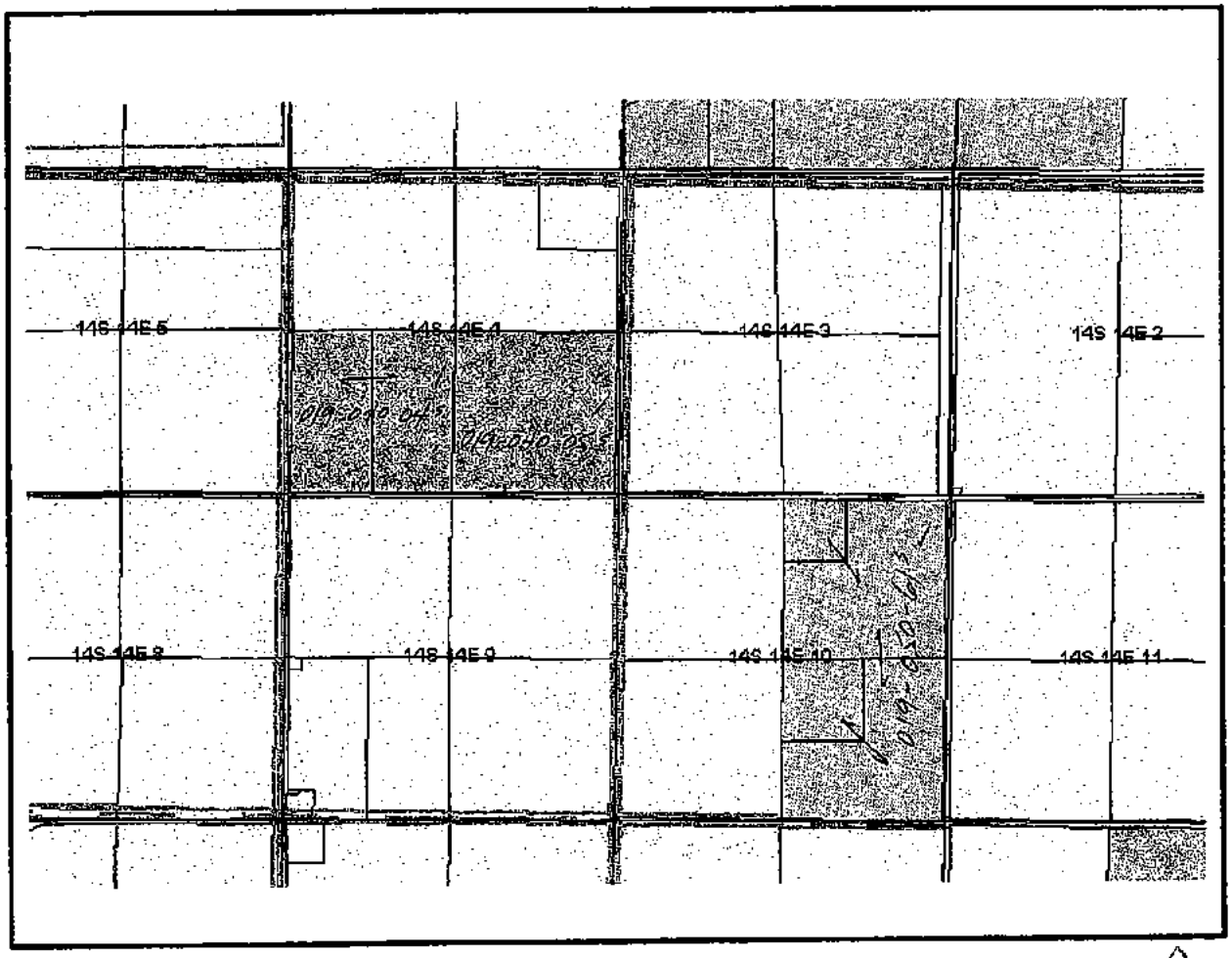
N

Tuesday, May 13 2003

SEASHOLTZ #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

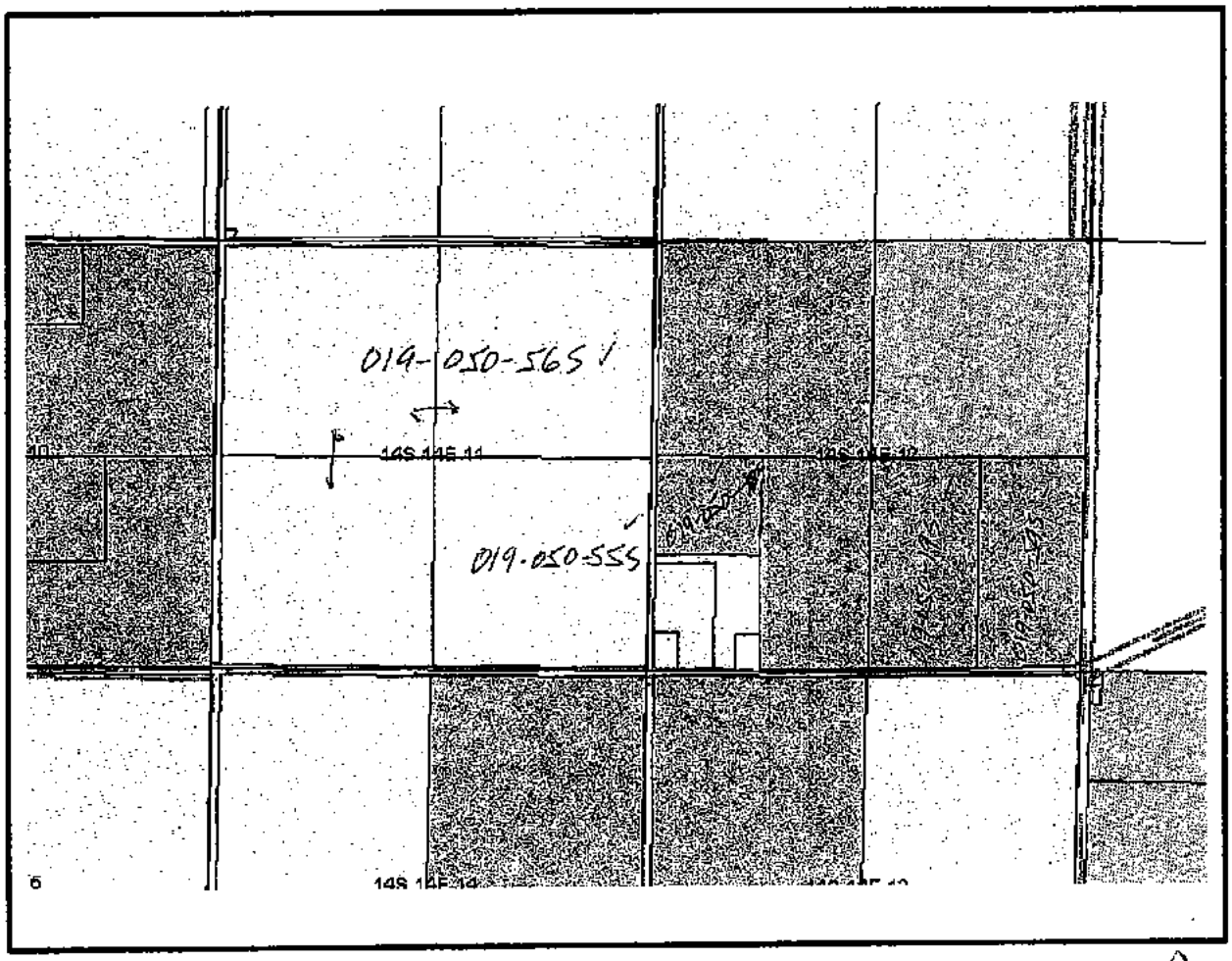
N

Friday, May 9 2003

D SILVEIRA #1

ESRI ArcExplorer 2.0

Map Title



trlinescalvi (NEWFIELD1)
a2a3
a2a3a4
a3a4
phase4
phase3
phase2
200k_CA_IV
wwdpavedroadscaliv
WWDBoundryCalIV
retirelands

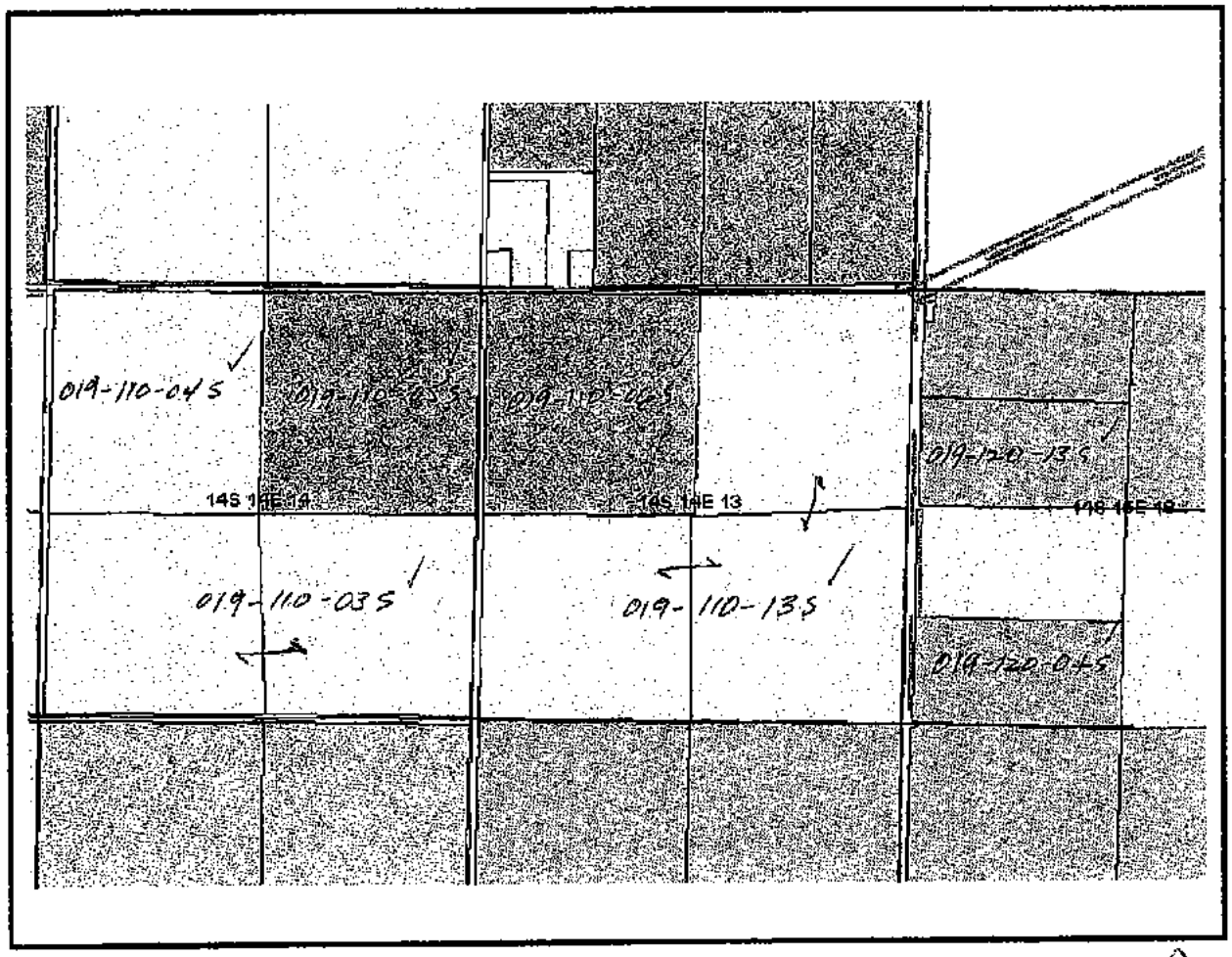
N

Wednesday, May 7 2003

D. SILVEIRA #2

ESRI ArcExplorer 2.0

Map Title



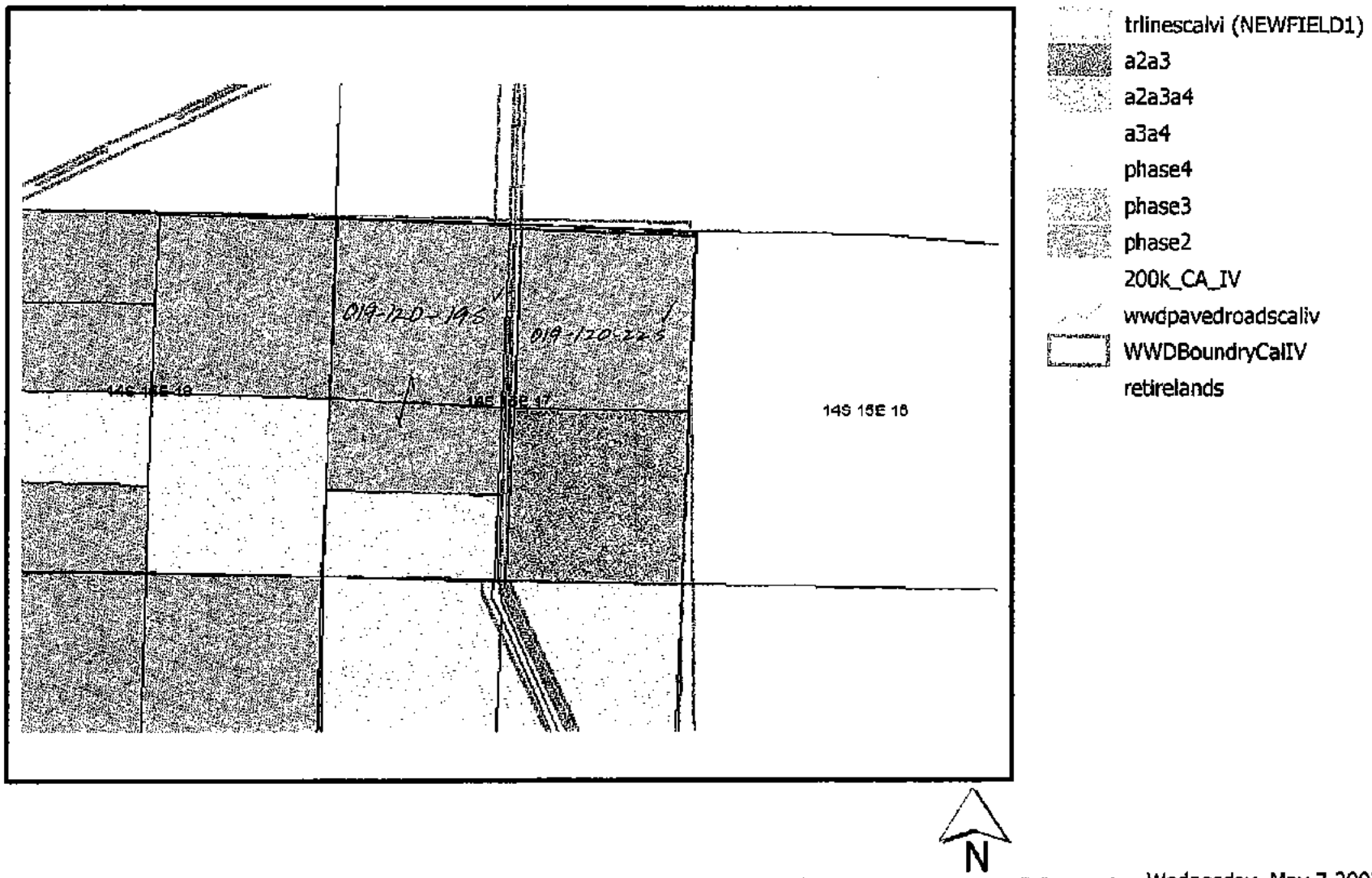
- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Wednesday, May 7 2003

ESRI ArcExplorer 2.0 Silveira D #3

Map Title

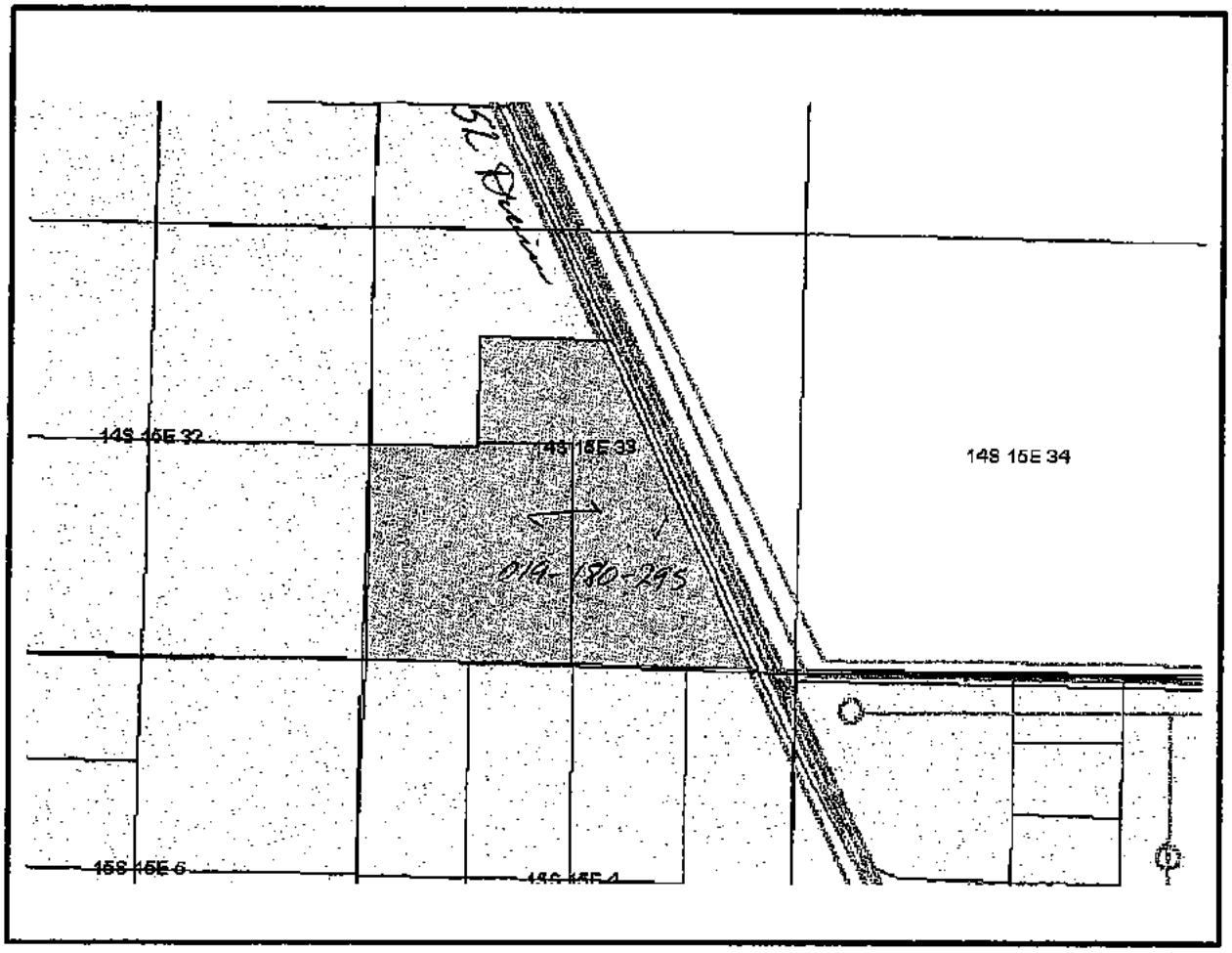


Wednesday, May 7 2003

D. SILVEIRA #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

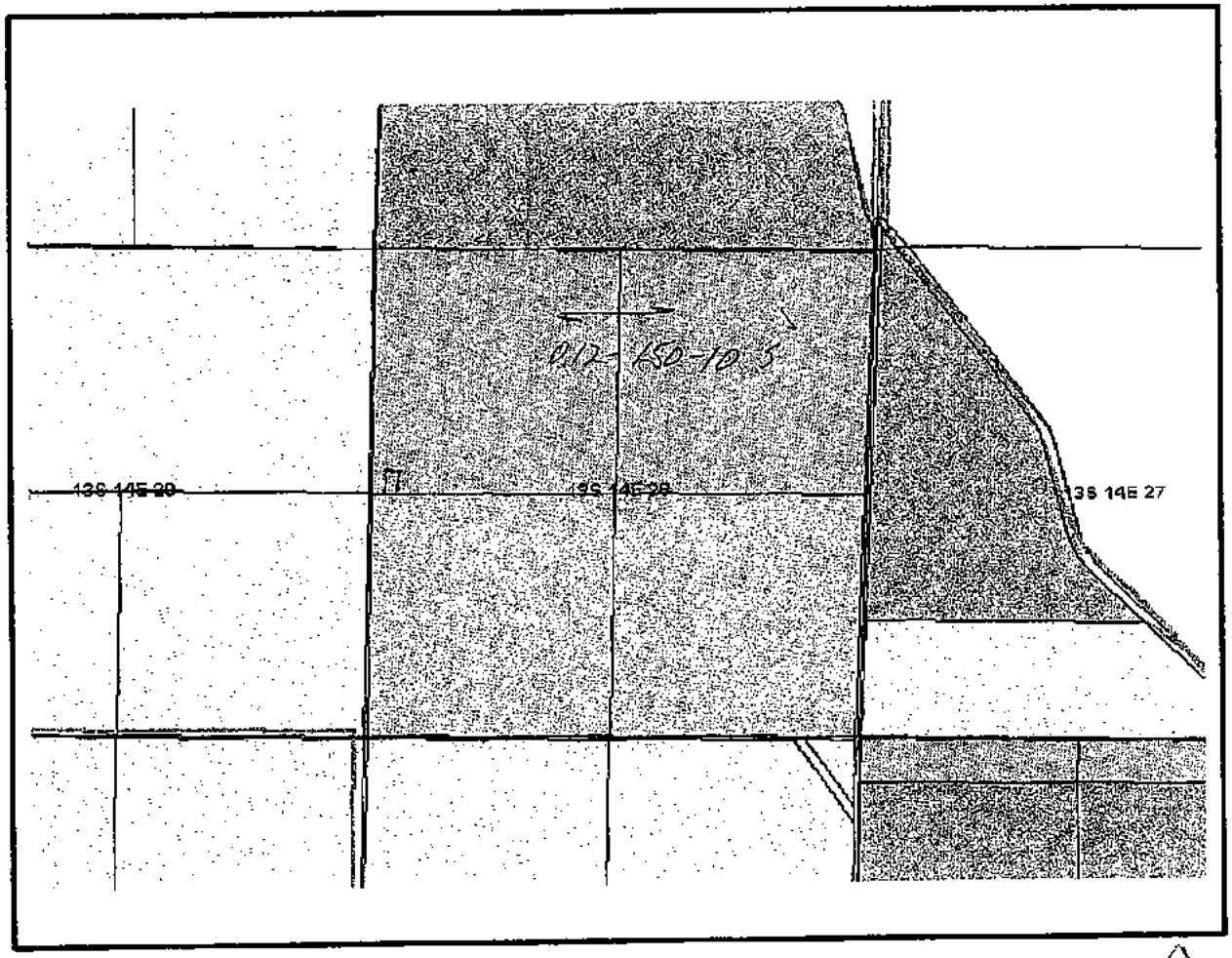
N

Wednesday, May 7 2003

SILVEIRA M.

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

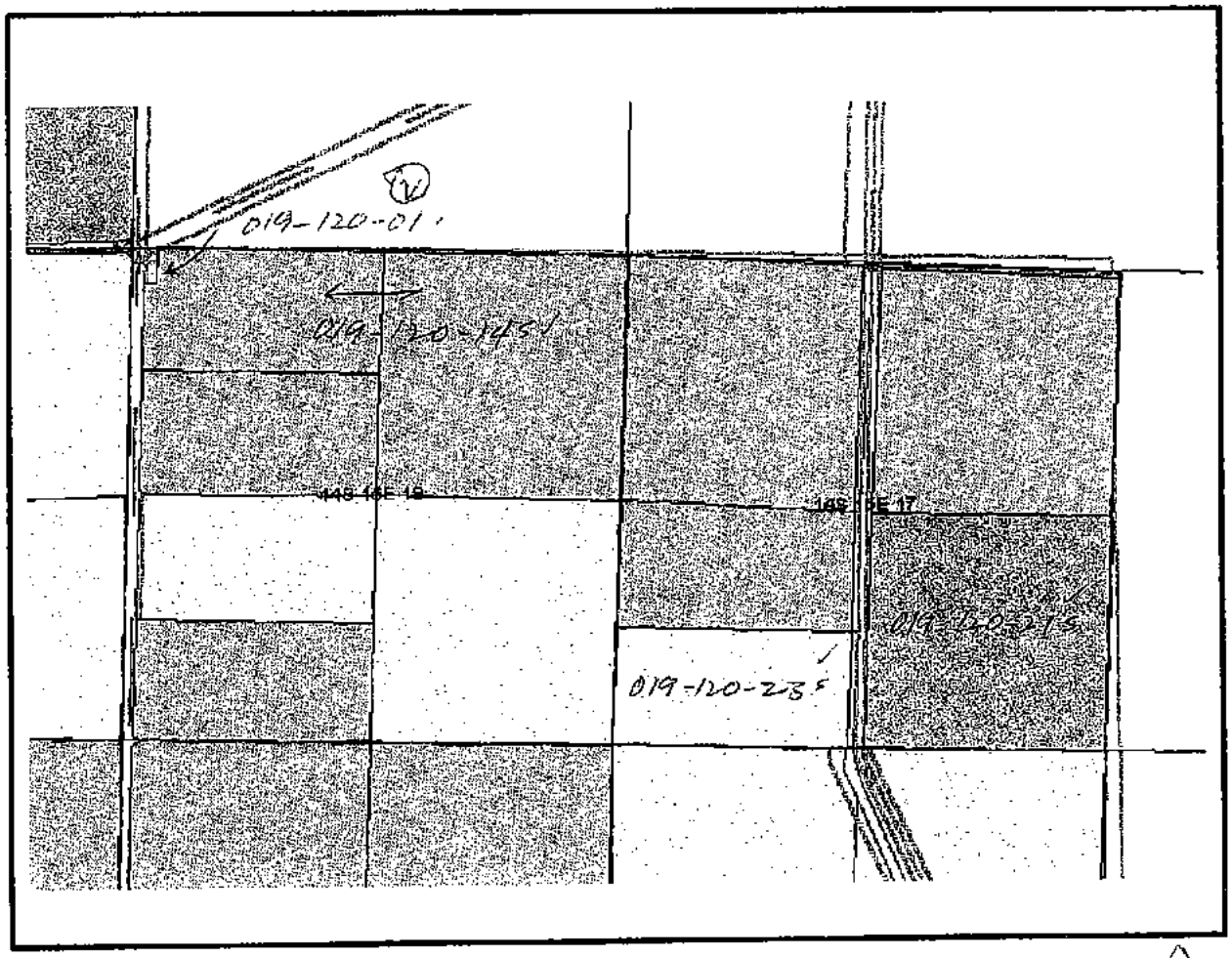
N

Thursday, May 8 2003

SILVEIRA MOR.

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

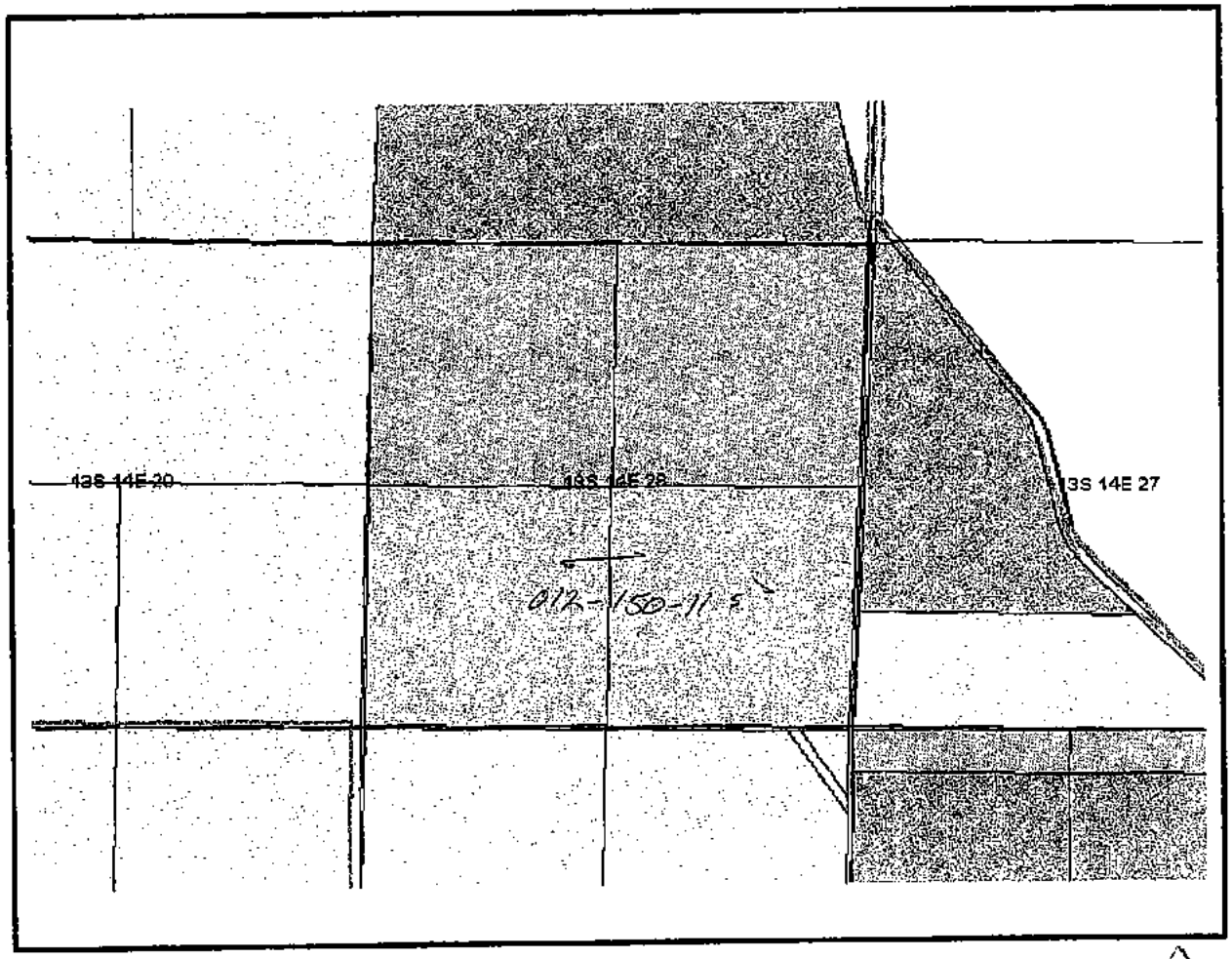
N

Thursday, May 8 2003

R. SILVEIRA

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

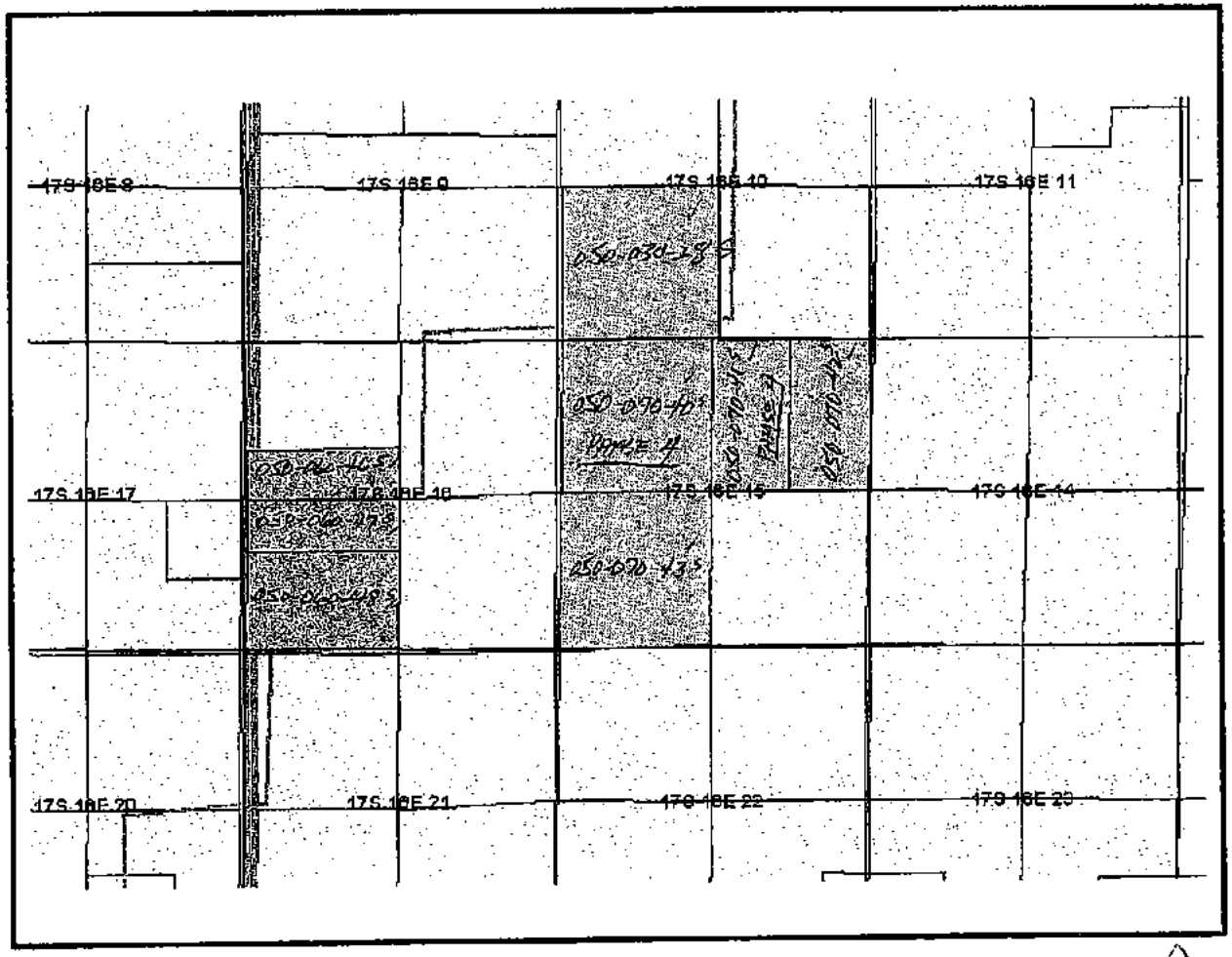
N

Friday, May 9 2003

THOMSEN

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

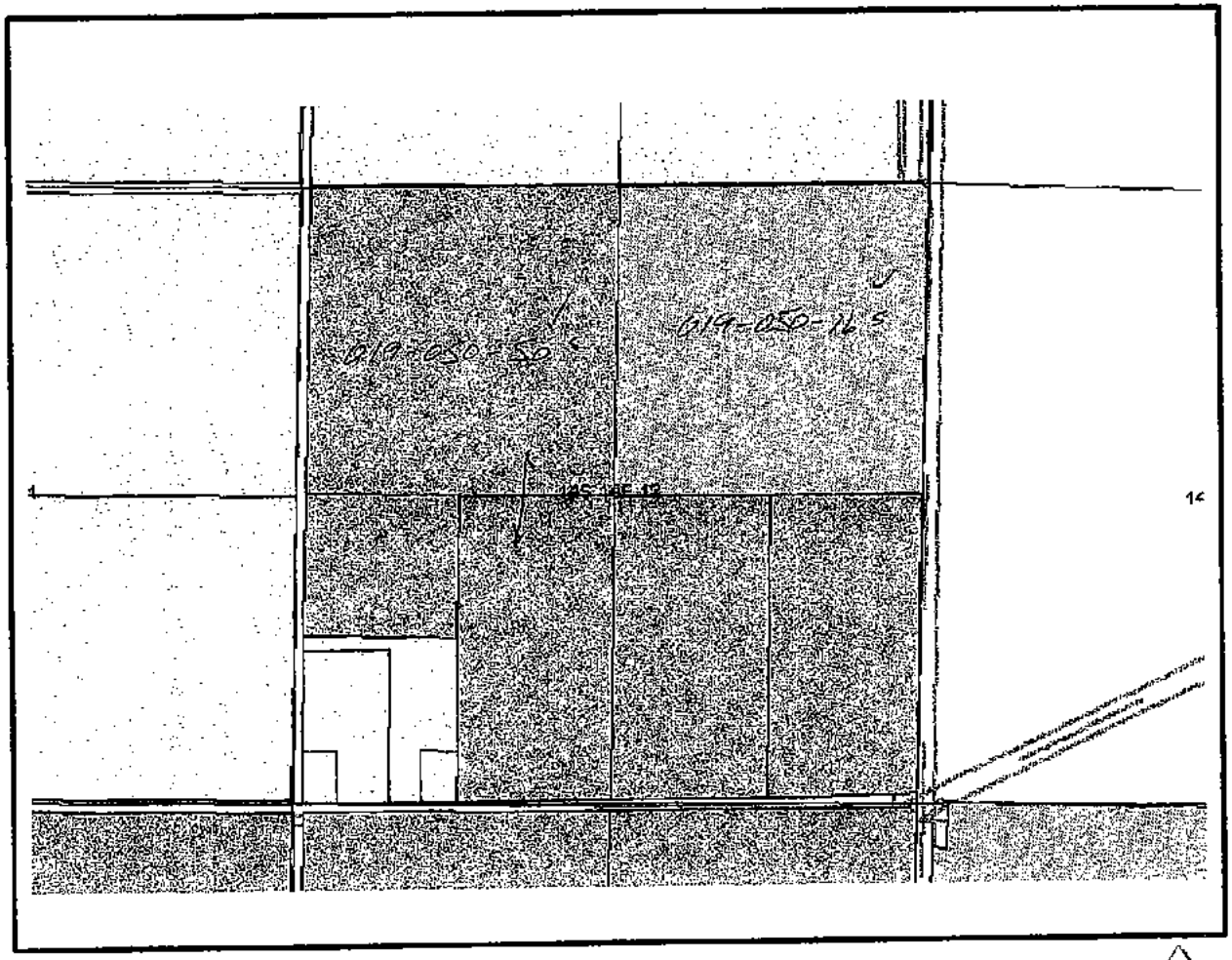
Monday, May 12 2003

'03 9-21

WALTON

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

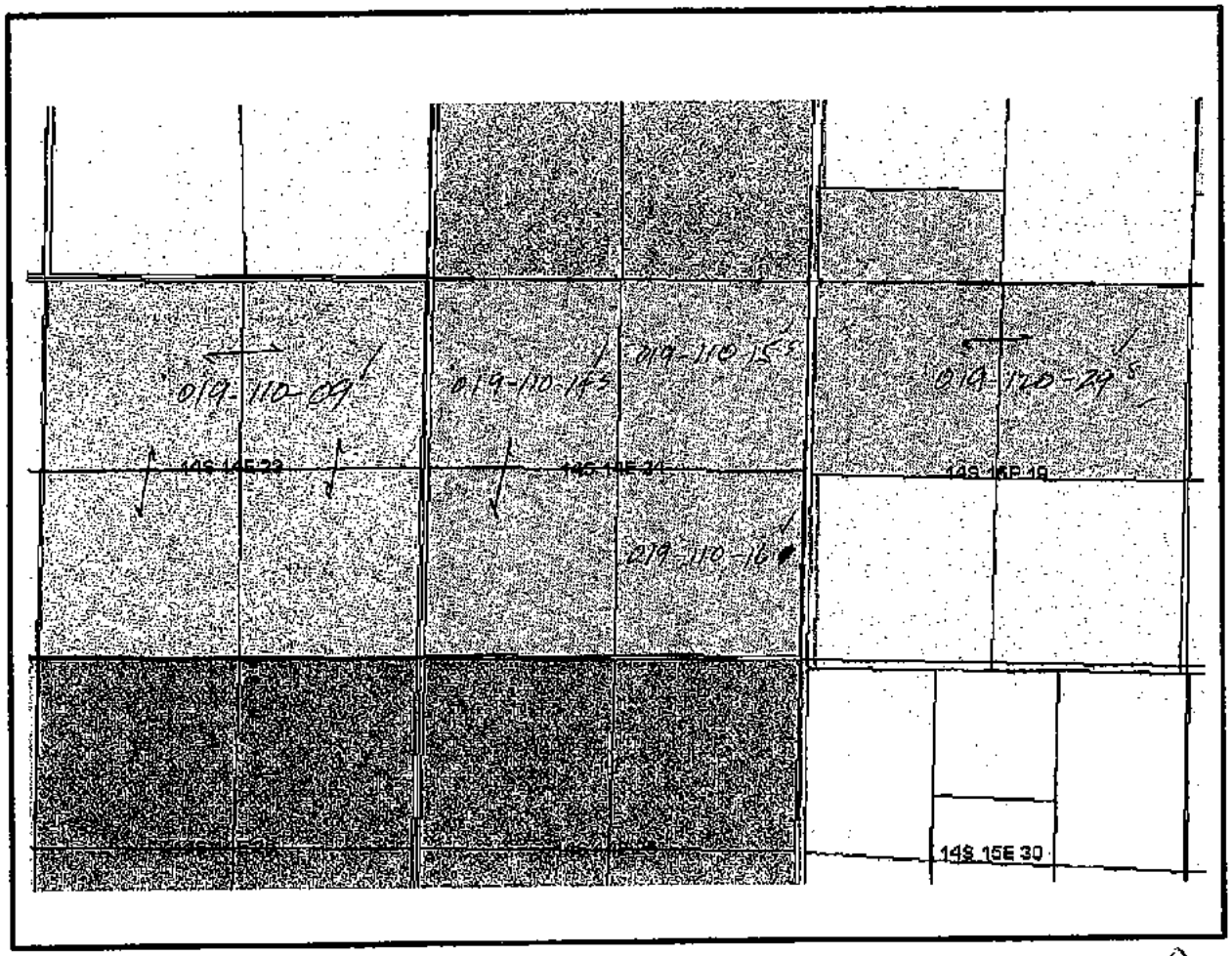
N

Monday, May 12 2003

WOLFSEN #1

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

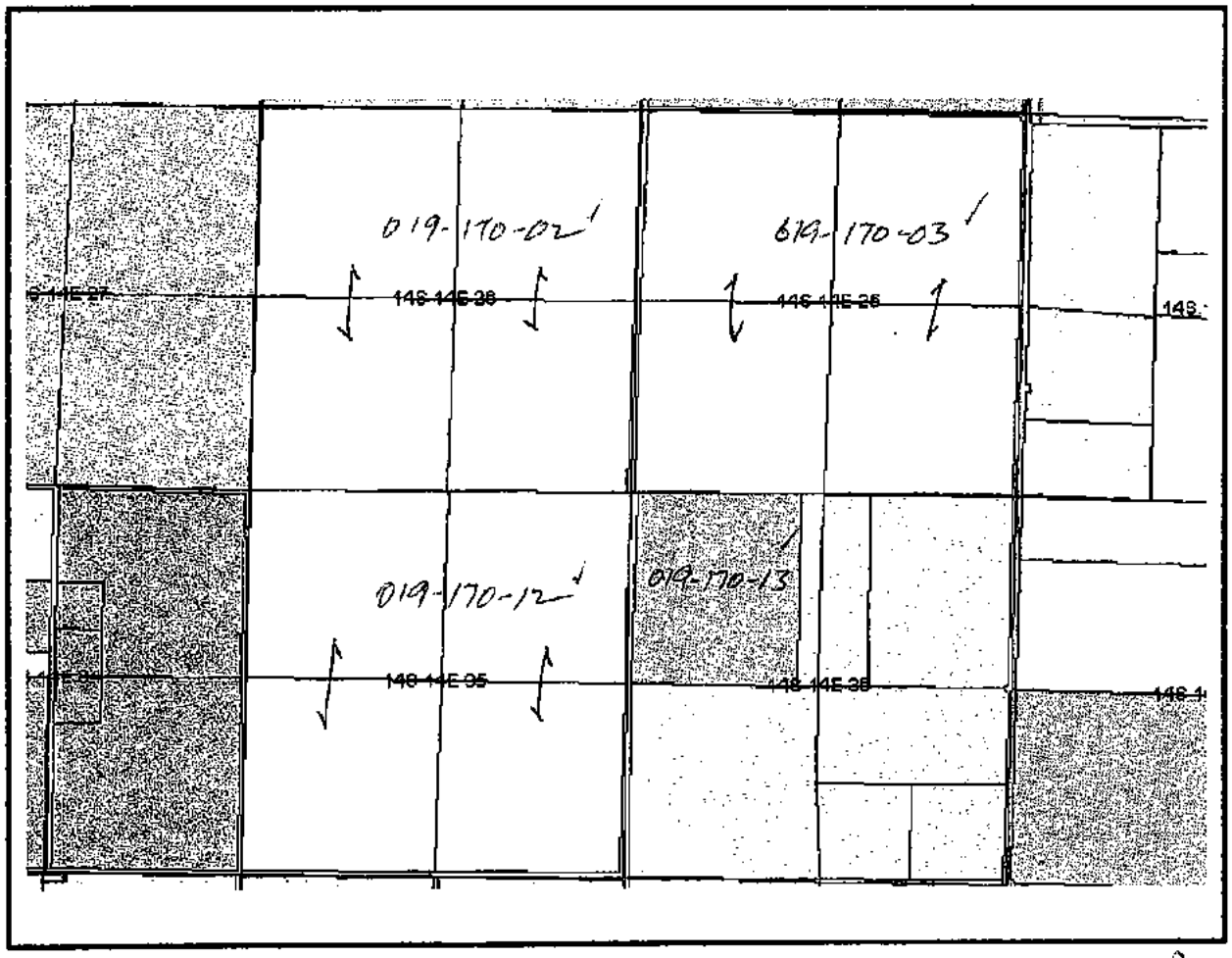
N

Monday, May 12 2003

WOLFSEN #2

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

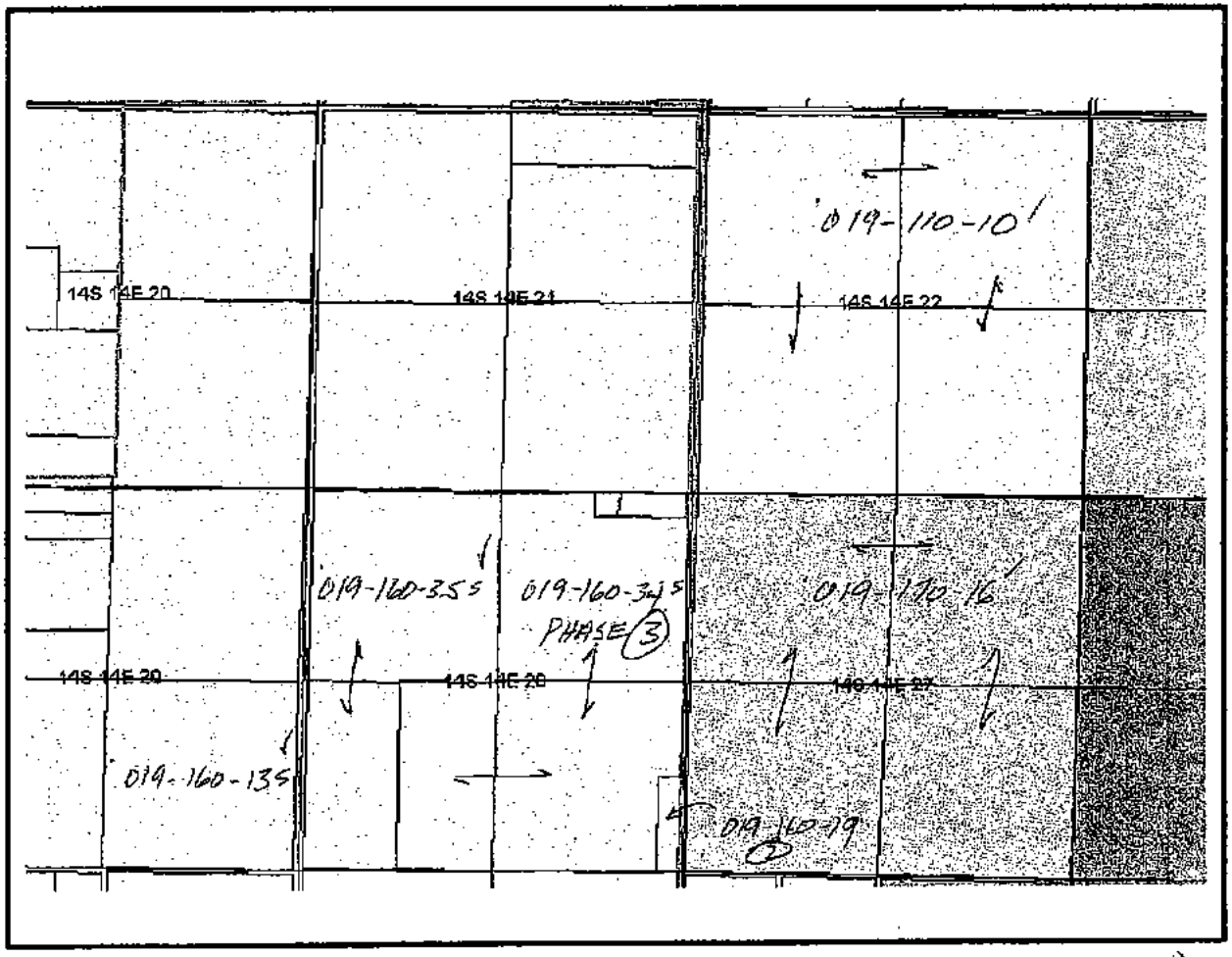
N

Monday, May 12 2003

WOLFSEN #3

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

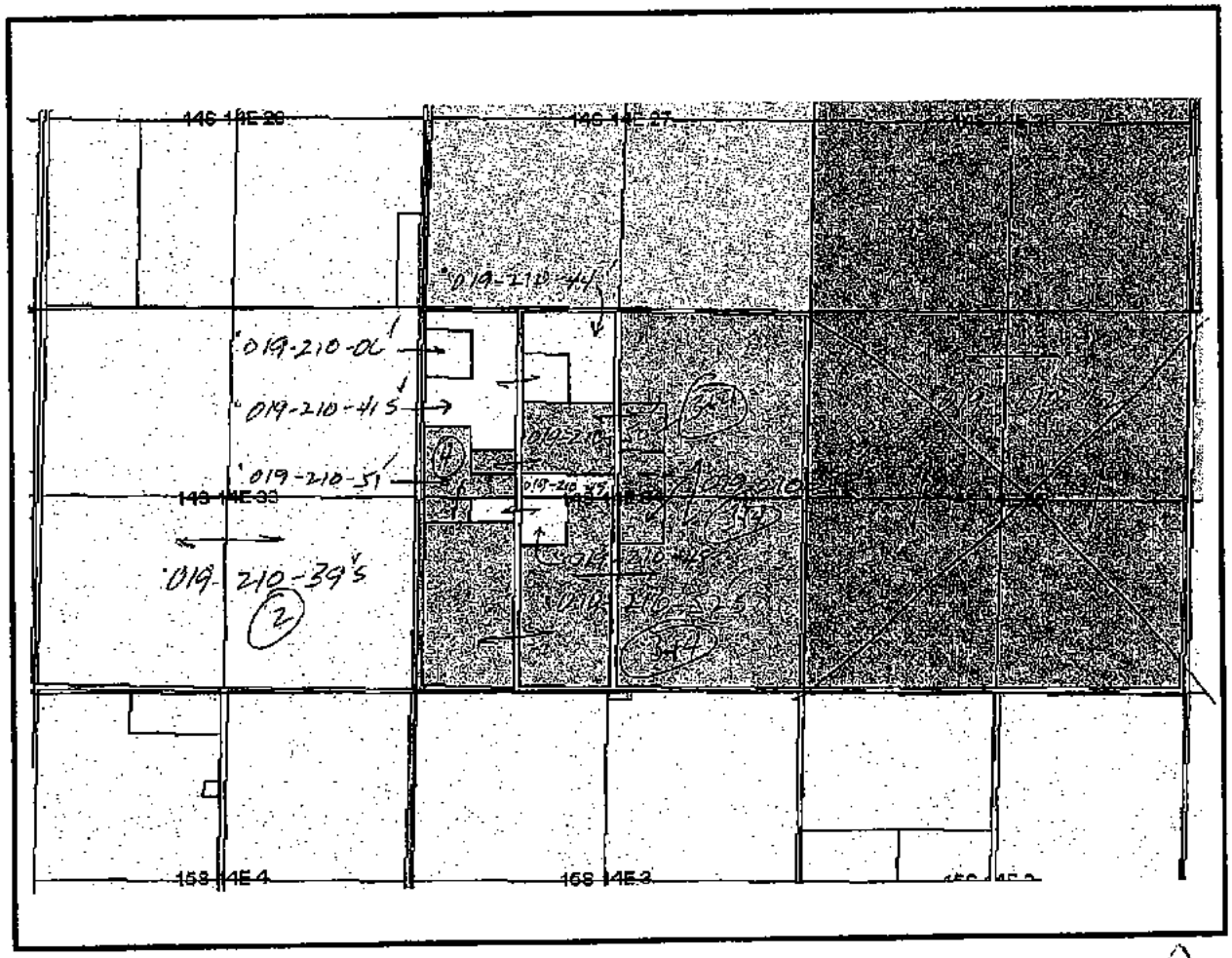
N

Monday, May 12 2003

WOLFSEN #4

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

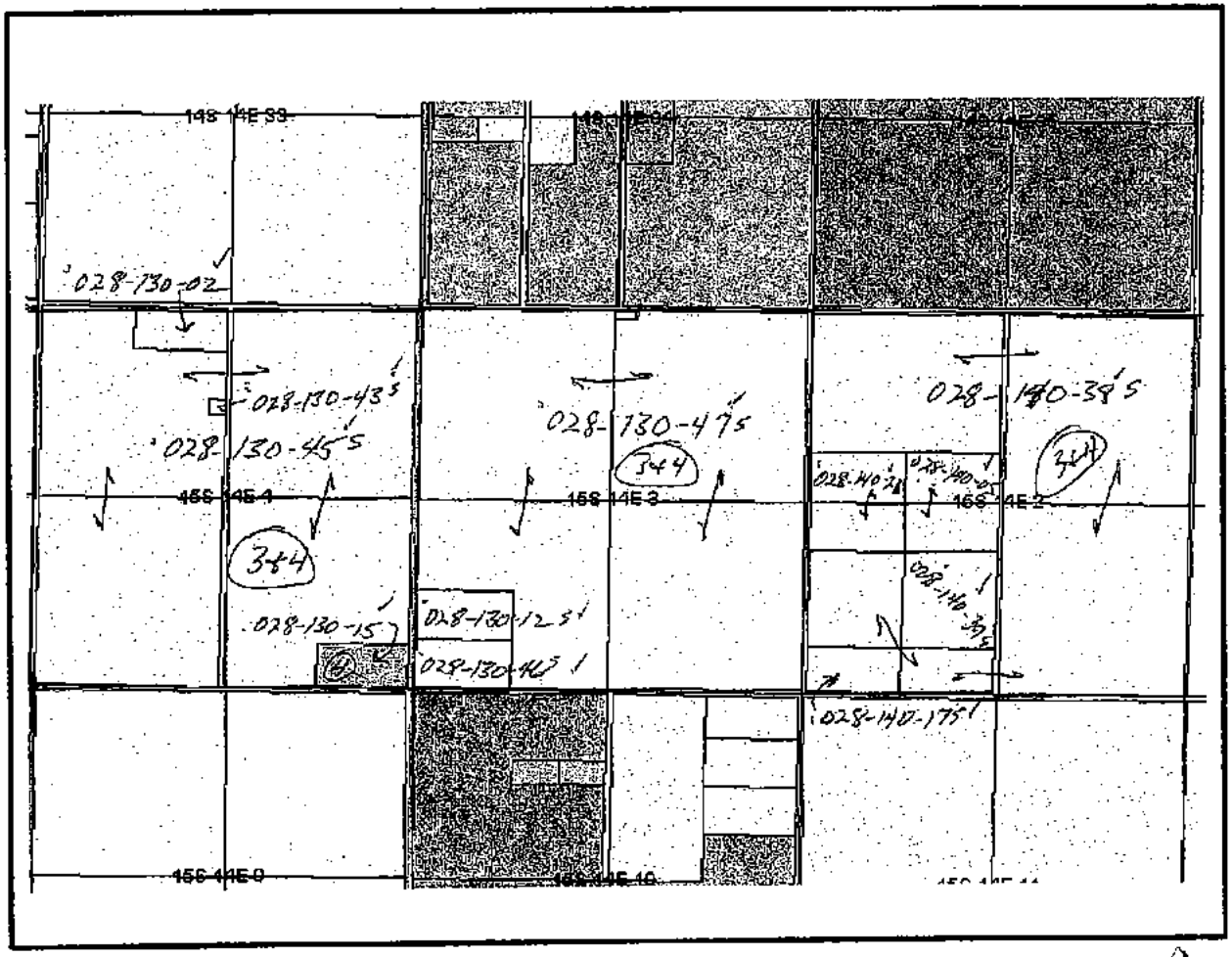
N

Monday, May 12 2003

WOLFSEN #5

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

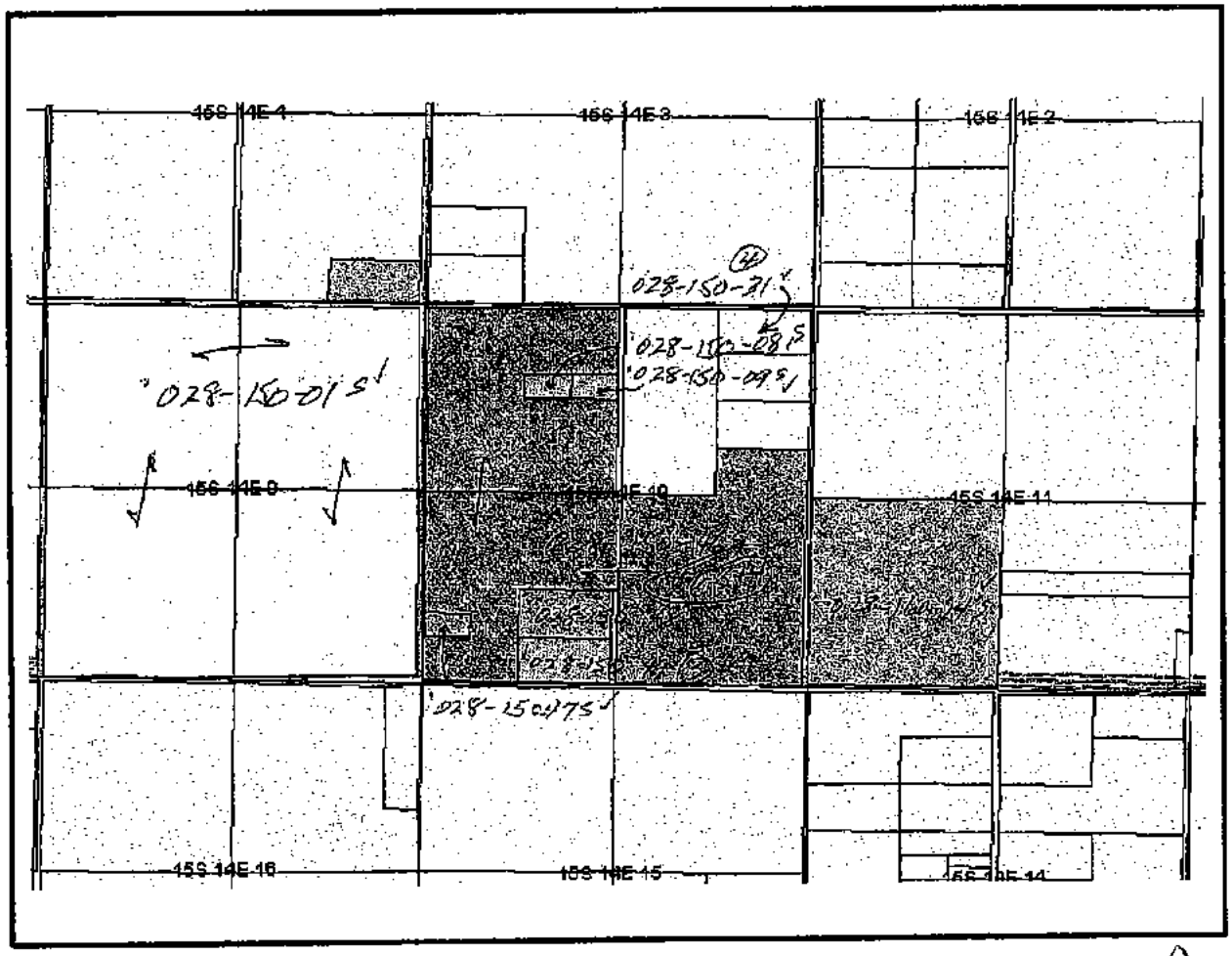
N

Monday, May 12 2003

WOLFSEN #6

ESRI ArcExplorer 2.0

Map Title



- trlinescalvi (NEWFIELD1)
- a2a3
- a2a3a4
- a3a4
- phase4
- phase3
- phase2
- phase1
- 200k_CA_IV
- wwdpavedroadscaliv
- WWDBoundryCalIV
- retirelands

N

Monday, May 12 2003

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
Allen, A. D.	012 110 05S	Gwendolyn F. Benton/Allen, Arvid D/Mary J.	155.54			155.54
	012 110 16S	Kristy A. Brinkley	54.82	103.36		158.18
	012 110 22S	Kristy Brinkley		53.50	106.50	160.00
	012 110 24S	Shauna B. Diaz		40.35	78.32	118.67
	012 110 25S	Kristy A. Brinkley		13.15	25.52	38.67
			210.36	210.36	210.34	631.06
Allen, A. E.	011 130 12S	Cynthia Allen Best	49.41	49.41	49.41	148.23
Silveira, D.	019 050 19S	Rick & Allison Blanchard		79.09		79.09
	019 050 48S	Eric & Allison Blanchard		36.80		36.80
	019 050 55S	Dudley James & Charlotte J. Silveira			160.13	160.13
	019 050 56S	Dudley James & Charlotte J. Silveira			469.69	469.69
	019 050 59S	Rick & Allison Blanchard		77.43		77.43
	019 110 03S	Dudley James & Charlotte J. Silveira			314.60	314.60
	019 110 04S	Dudley James & Charlotte J. Silveira			156.38	156.38
	019 110 05S	Darrell Silveira		156.38		156.38
	019 110 06S	Dudley & Charlotte J. Silveira		156.38		156.38
	019 110 13S	Dudley James & Charlotte J. Silveira		472.70		472.70
	019 120 04S	Eletha A. Silveira	78.39			78.39
	019 120 13S	Eletha Silveira	78.23			78.23
	019 120 19S	Eletha Silveira	228.12			228.12
	019 120 22S	Eletha Silveira	155.17			155.17
	019 180 29S	Silveira	303.82			303.82
			843.73	978.78	1,100.80	2,923.31
Etcheberry	028 101 15S	Helen E. Etcheberry	20.00			20.00
	028 101 62S	Helen E. Etcheberry	126.27	146.27	146.27	418.81
			146.27	146.27	146.27	438.81
Guenther	028 101 22	Richard Earl & Patricia A. Guenther	80.00			80.00
	028 101 23S	Richard Earl & Patricia A. Guenther	80.00			80.00
	028 101 51S	Richard E. Guenther	60.00	160.00		220.00
	028 101 53	Richard Earl & Patricia A. Guenther		20.00		20.00
	038 320 01S	Richard Earl & Patricia A. Guenther			39.29	39.29
	038 320 06	Guenther, Richard E. Trustee, etal			38.20	38.20
	038 320 12S	Richard E. Guenther			20.00	20.00
	038 320 24S	Richard Earl & Patricia A. Guenther		20.00		20.00
	038 320 25S	Richard E. Guenther		20.00		20.00
	038 320 26S	Richard E. Guenther			40.00	40.00
	038 320 27S	Guenther Family Trust		20.00		20.00
	038 320 28S	Richard E. Guenther			20.00	20.00
	038 320 29S	Richard E. Guenther			20.00	20.00
	038 320 30S	Guenther			20.00	20.00
			220.00	240.00	197.49	657.49
Jones	012 110 08S	Llanada Farms			316.40	316.40
	012 110 09S	Llanada Farms			320.00	320.00
	012 120 15S	Jones Villere Farms		476.02		476.02
	012 150 07S	Llanada Farms			109.05	109.05
	012 150 09S	Llanada Farms		155.56		155.56
	012 180 05	Sarek Farms	33.54			33.54
	012 180 10S	Serek Farms	114.12			114.12
	012 180 12S	Serek Farms	8.89			8.89
	012 180 13S	Serek Farms	239.36			239.36
	012 180 14S	Serek Farms	37.59			37.59
	012 180 17S	Sarek Farms		150.79		150.79
	012 180 18S	Serek Farms	49.95			49.95
	012 190 02S	Serek Farms	246.02			246.02
			729.47	782.37	745.45	2,257.29
	012 160 24S	Western Farms LP	6.36			6.36
	012 160 25S	Western Farms LP	128.58			128.58
	012 190 09	Western Farms LP	11.84			11.84
	012 190 14S	Western Farms LP	77.50			77.50
	012 190 25S	Western Farms LP		306.78		306.78
	012 190 26S	Western Farms LP			308.86	308.86

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
			224.28	306.78	308.86	839.92
			953.75	1,089.15	1,054.31	3,097.21
Kriesant	019 180 01S	Kriesant Operating Co., Inc.		320.00	314.83	634.83
	019 180 31S	Carl J. E. Kriesant	316.57			316.57
	019 180 32S	Kriesant Operating Co., Inc.	160.00	156.57		316.57
	028 101 17S	Carl J. E. Kriesant			15.00	15.00
	028 101 50S	Carl J. E. Kriesant			160.00	160.00
	038 320 13S	Carl J. E. Kriesant			10.00	10.00
	038 320 31S	Carl J. E. Kriesant			20.00	20.00
			476.57	476.57	519.83	1,472.97
M. Silveira	012 150 10S	Judy E. Silveira	318.17			318.17
Mir. Silveira	019 120 01	Miriam M. Silveira	1.29			1.29
	019 120 14S	Miriam M. Silveira	236.78			236.78
	019 120 21S	Miriam M. Silveira		155.17		155.17
	019 120 23S	Miriam M. Silveira			74.82	74.82
			238.07	155.17	74.82	468.06
O'Neill	050 080 05S	Trinity Farms	160.00			160.00
	050 120 40S	JE O'Neill, Inc. (Drainage easement only)			5.95	5.95
	050 120 45S	Laguna Farms	160.00			160.00
	060 030 19S	Carroll/O'Neill, LP		157.56		157.56
	060 030 21S	Carroll/O'Neill, LP	157.82			157.82
	060 030 24S	Laguna Farms	320.00			320.00
	060 030 29S	Trinity Farms		157.60		157.60
	060 041 02	Edwin R. O'Neill		0.60		0.60
	060 041 03	145 Farms		383.98		383.98
	060 042 03S	La Paloma Farms			280.53	280.53
	060 042 04S	Humboldt Ranches			309.02	309.02
	060 042 09S	JE O'Neill, Inc. (Drainage easement only)			6.69	6.69
	060 042 10S	Edwin R. O'Neill (Drainage easement only)	1.00			1.00
	060 042 12S	Excelsior Farms			151.57	151.57
	060 042 13S	Excelsior Farms		160.78		160.78
	060 042 15S	Excelsior Farms			160.00	160.00
	060 042 16S	Humboldt Ranches		160.00		160.00
	060 042 17S	La Paloma Farms		160.00		160.00
	060 042 18S	La Paloma Farms		160.00		160.00
	060 042 21S	Excelsior Farms			160.00	160.00
	060 042 22S	Humboldt Ranches		80.00		80.00
	060 042 24S	Humboldt Ranches (Drainage easement only)			7.12	7.12
	060 050 29S	Blake Randle O'Neill (Drain easement only)			11.14	11.14
	060 050 38S	Shasta Farms			9.08	9.08
	060 050 39S	Shasta Farms			9.08	9.08
	060 050 40S	Shasta Farms			299.18	299.18
	060 050 41S	Shasta Farms			307.40	307.40
	060 090 41S	Trinity Farms	320.00			320.00
	060 090 42S	Carroll/O'Neill, LP	320.00			320.00
			1,438.82	1,420.52	1,716.76	4,576.10
			-1.00		-23.78	-24.78
			1,437.82	1,420.52	1,692.98	4,551.32
Orff	028 110 05	Francis A. Orff		20.00		20.00
	028 110 07S	Francis A. Orff		160.00		160.00
	028 110 13	Francis A. Orff	40.00			40.00
	028 110 24	Francis A. Orff	40.00			40.00
	028 110 26S	Francis A. Orff	20.00			20.00
	028 110 30S	Francis Ronald Orff		15.00		15.00
	028 110 31S	Francis A. Orff		30.00		30.00
	028 110 32S	Francis A. Orff		22.50		22.50
	028 110 33	Francis A. Orff		10.00		10.00
	028 110 34	Francis A. Orff		30.00		30.00
	028 110 35	Francis A. Orff		4.13		4.13
	028 110 36	Francis A. Orff		20.00		20.00
	028 110 39S	Francis A. Orff		50.00		50.00

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
	028 110 44	Francis A. Orff			20.00	20.00
	028 110 45	Francis A. Orff		10.00		10.00
	028 110 49S	Francis A. Orff			0.52	0.52
	028 110 54S	Francis Ronald & Linda Orff	47.50			47.50
	028 110 55S	Francis A. Orff			1.13	1.13
	028 110 70S	Francis A. Orff	161.33			161.33
	028 110 74S	Francis A. Orff			80.00	80.00
	028 110 79S	Francis A. Orff			323.16	323.16
	028 110 86S	Francis A. Orff	20.00			20.00
			328.83	371.63	424.81	1,125.27
Peck	028 101 45S	Patrick S. Peck	158.16			158.16
	028 101 46S	John Kelly Peck	158.16			158.16
	028 101 47S	William T. & Kathleen P. Hopkins	160.00			160.00
	028 101 48S	Michael C. Peck	160.00			160.00
	028 110 46S	Peck Family Partners	2.59			2.59
	028 110 47S	Carolyn G. Peck	160.68			160.68
	038 071 21	Carolyn G. Peck			37.88	37.88
	038 071 22S	Carolyn G. Peck			37.85	37.85
	038 071 25	Sumner Peck Ranch, Inc.		40.00		40.00
	038 071 26	Carolyn G. Peck			40.00	40.00
	038 071 27S	Carolyn G. Peck			120.00	120.00
	038 071 28	Michael C. Peck		39.44		39.44
	038 080 03S	Peck Family Partners		160.00		160.00
	038 080 04S	Sumner Peck Ranch, Inc.		160.29		160.29
	038 080 05S	Kathleen P. Hopkins		160.00		160.00
	038 080 12S	Kathleen P. Hopkins			20.00	20.00
	038 080 13S	Kathleen P. Hopkins			19.10	19.10
	038 080 14S	Kathleen P. Hopkins			119.10	119.10
	038 080 16S	J. Kelly Peck, Trustee of Ashley Peck Trust		80.00		80.00
	038 080 17S	J. Kelly Peck, Trustee of Ashley Peck Trust		80.00		80.00
	038 080 18S	Kathleen P. Hopkins		157.60		157.60
	038 080 21S	Sumner Peck Ranch, Inc.			78.80	78.80
	038 080 22S	Sumner Peck Ranch, Inc.			78.80	78.80
	038 080 23S	Sumner Peck Ranch, Inc.		160.00		160.00
	038 080 25S	Sumner Peck Ranch, Inc.			158.19	158.19
	038 080 32S	Sumner Peck Ranch, Inc.			83.69	83.69
	038 080 33S	Sumner Peck Ranch, Inc.			83.69	83.69
	038 080 35S	Kathleen P. Hopkins		164.96		164.96
	038 080 38S	Peck Family Partners		160.00		160.00
	038 080 39S	Sumner Peck Ranch, Inc.	0.04			0.04
	038 080 40S	Sumner Peck Ranch, Inc.	0.05			0.05
	038 080 44S	Sumner Peck Ranch, Inc.	8.37			8.37
	038 080 45S	Maria Kate Manock	157.56			157.56
	038 141 35S	Kathleen P. Hopkins			37.07	37.07
	038 141 48S	Kathleen P. Hopkins			122.30	122.30
	038 150 64S	Kathleen P. Hopkins			158.19	158.19
	038 150 65S	Carolyn G. Peck			160.00	160.00
	038 150 68S	Carolyn G. Peck			85.99	85.99
	038 320 17	R. Murphy Peck	161.03			161.03
	038 320 18S	Maury D. Peck	160.00			160.00
	038 320 23S	Amy N. Peck Lazarus	156.82			156.82
	038 320 33S	Sumner Peck Ranch, Inc.		102.53		102.53
	038 320 34S	Sumner Peck Ranch, Inc.		13.99		13.99
			1,443.46	1,478.81	1,440.65	4,362.92
R. Silviera	012 150 11S	Richard G. & Joanne Y. Silveira	106.05	106.06	106.06	318.17
Seasholtz	011 160 15S	Mendota Land Company			60.00	60.00
	011 160 16S	Mendota Land Company			80.00	80.00
	011 160 17S	Mendota Land Company			78.19	78.19
	019 040 04S	Pappas Land Company		161.14		161.14
	019 040 05S	Pappas Land Company		161.06		161.06
	019 050 61S	Pappas Land Company	321.04			321.04
			321.04	322.20	218.19	861.43
Thomsen	050 030 28S	Allen S. Thomsen, Trustee, etal	160.00			160.00

PECK SETTLEMENT
LAND TRANSFER CLOSINGS

Family	APN	Owner	APN Acres per Settlement 2nd	3rd	4th	Total
	050 060 46S	Elizabeth Thomsen		52.53		52.53
	050 060 47S	Veronica Thomsen Gonser		52.53		52.53
	050 060 48S	Kenneth & Paulette Thomsen		105.07		105.07
	050 070 40S	Thomas L. Thomsen			160.00	160.00
	050 070 41S	Joanne C. Thomsen			80.00	80.00
	050 070 42S	Kenneth & Paulette Thomsen	80.00			80.00
	050 070 43S	Kenneth & Paulette Thomsen	160.00			160.00
			400.00	210.13	240.00	850.13
Walton	019 050 16S	James R. Walton	158.14			158.14
	019 050 50S	James R. Walton		237.29		237.29
			158.14	237.29	0.00	395.43
Wolfsen	019 110 09	Michael StPeter	158.19	316.38	158.19	632.76
	019 110 10	Michael StPeter			632.76	632.76
	019 110 14S	Michael StPeter	314.56			314.56
	019 110 15S	Michael StPeter	158.18			158.18
	019 110 16	Michael StPeter	156.38			156.38
	019 120 29S	Michael StPeter	317.07			317.07
	019 160 13S	Barbara Butts Lindemann, Trustee			158.18	158.18
	019 160 19	Lindemann	9.10			9.10
	019 160 34S	Lindemann		377.53		377.53
	019 160 35S	Barbara Butts Lindemann, Trustee			236.36	236.36
	019 170 02	Michael StPeter	477.55	159.18		636.73
	019 170 03	Michael StPeter	474.56	158.19		632.75
	019 170 12	Michael StPeter	316.37	316.37		632.74
	019 170 13	Michael StPeter	138.18			138.18
	019 170 16	Michael StPeter	159.09	318.18	159.09	636.36
	019 210 06	Turner Island Farms			10.00	10.00
	019 210 39S	Lindemann	316.38			316.38
	019 210 41S	Michael StPeter			55.00	55.00
	019 210 44	Derek Heafey			27.77	27.77
	019 210 48	Michael StPeter			14.34	14.34
	019 210 49	Turner Island Farms			9.56	9.56
	019 210 50	Lionel J. & Charlotte J. Caeton, Trustees		10.00	35.00	45.00
	019 210 51	Michael StPeter			25.00	25.00
	019 210 52S	Michael StPeter		134.28	278.15	412.43
	019 210 53S	Michael StPeter		9.55	9.55	19.10
	028 130 02	Thomas Daniel & Mary Antoinette K. Chase			20.00	20.00
	028 130 12S	Turner Island Farms			19.54	19.54
	028 130 15	Michael StPeter			20.00	20.00
	028 130 43S	Michael StPeter			1.00	1.00
	028 130 45S	Michael StPeter		155.58	425.73	581.31
	028 130 46S	Turner Island Farms			20.14	20.14
	028 130 47S	Michael StPeter		315.07	275.69	590.76
	028 140 05	Marshall N. Mc Fie II, Trustee			40.00	40.00
	028 140 17S	Michael StPeter			20.00	20.00
	028 140 21	Marshall N. Mc Fie II, Trustee			40.00	40.00
	028 140 38S	Michael StPeter		155.33	326.90	482.23
	028 140 39S	Michael StPeter			39.09	39.09
	028 150 01S	Michael StPeter		315.48	309.48	624.96
	028 150 08S	Laura K. Belden, Trustee	5.00			5.00
	028 150 19S	Michael StPeter	5.00			5.00
	028 150 31	Michael StPeter			20.00	20.00
	028 150 46S	Michael StPeter	145.42	112.21	174.84	432.47
	028 150 47S	Michael StPeter		4.78		4.78
	028 150 48	Michael StPeter		19.66		19.66
	028 150 49	Lionel J. & Charlotte J. Caeton, Trustees		18.77		18.77
	028 160 14S	Michael StPeter		158.20		158.20
			3,151.03	3,054.74	3,561.36	9,767.13
			10,802.70	*10,240.31*	*10,728.46*	*31,547.19*

APPENDIX B

APPENDIX B
Summary of Regulatory Agency Program Lists

The summaries of regulatory program lists herein do not present legal opinions. An attorney was not contacted regarding these summaries or their ramifications on real property transfer.

USEPA

CERCLIS
The Comprehensive Environmental Response Compensation and Liability Act (CERCLA or "Superfund"), 42 USC Section 9601, was passed in 1980 to provide for a Federal response to hazardous substances in the environment. The CERCLIS list is a database used by the USEPA to track activities conducted under its Superfund Program. Sites which come to EPA's attention that may have a potential for releasing hazardous substances into the environment are added to the CERCLIS inventory.

NPL
The USEPA has prioritized sites with significant risk to human health and the environment. These sites may receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

RCRA Violators
RCRA provides for "cradle to grave" regulation of hazardous wastes. Evaluation of potential violations, ranging from manifests requirements to hazardous waste discharges is conducted by the USEPA.

STATE OF CALIFORNIA

AWP
The Health and Safety code, as amended by AB129, requires the DTSC to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

DTSC is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the DTSC and the USEPA over the next five years.

CalSites
The Historical Abandoned Site Survey Program (ASPIS) maintained by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) identifies

certain potential hazardous waste sites. These site determinations were generally not made via sampling and site characterization. They were made as a result of file searches and drive-by surveys. Some of the sites may have had a site inspection and sampling.

The ASPIS database, currently known as CalSites, contains a listing of sites which either have been or are under investigation by the DTSC or other regulatory agencies. The information has been compiled into this database by the CalEPA in accordance with Section 253596 of the California Health and Safety Code. The listings are now included in the Site Mitigation and Brownfields Reuse Program Database available on the internet (http://www.dtsc.ca.gov/database/CalSites/calf001.cfm).

LUFTIS

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

SWIS

The SWIS database is maintained by the California Integrated Waste Management Board and contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

FRESNO COUNTY COMMUNITY HEALTH DEPARTMENT

CUPA

The CUPA is responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that:

- Require Hazardous Materials Business Plans;
- Require California Accidental Release Prevention plans or Federal Risk Management Plans;
- Operate Underground Storage Tanks;
- Operate Aboveground Storage Tanks;
- Generate Hazardous Waste(s); and
- Have Onsite Treatment of Hazardous Waste(s)/Tiered Permits.

Compliance is achieved through routine inspections of all regulated facilities, and investigation of citizen based complaints and inquiries regarding improper handling and/or disposal of hazardous materials and/or hazardous wastes. Hazardous waste source reduction is a primary goal of the CUPA. Additionally, the Agency provides oversight for the remediation of contaminated sites.

The CUPA identifies facilities that may have to prepare:

- A Hazardous Materials Business Plan;
- A Federal Risk Management Plan (RMP) ; or,
- A California Accidental Release Prevention (CalARP) plan; or
- Any combination of these plans.

Information is collected for public access under the Community Right to Know Act and the information is reported to Federal, State, and Local agencies as required by statute and/or regulation. The intent of each plan is to prevent major off-site releases that could affect the public and/or environment, provide facility employees information on how to appropriately respond during a release, and assist emergency responders in the event of a release.

APPENDIX C

STATE OF CALIFORNIA - Environmental Protection Agency

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
3614 East Ashlan Ave.
Fresno, CA 93726
PHONE: (209) 445-5116
FAX: (209) 445-5910

FILE

24 May 1996

Ms. Carolyn G. Peck
Sumner-Peck Ranch, Inc.
14354 Road 204
Madera, CA 93638

STATUS OF CLOSURE ACTIVITIES, SUMNER-PECK RANCH, INC., EVAPORATION BASIN, FRESNO COUNTY

We have reviewed the status of investigative/closure activities to date, and conclude that:

1. A closure plan addressing the comments from our memorandum of 4 December 1995 needs to be provided.

2. A representative sampling plan should be included with the latest results of basin sampling.

Enclosed is a memo regarding our review of the project status. Prior to **30 July 1996**, please provide us with a technical report which contains a plan and time schedule addressing items 1 and 2 above.

Should you have any questions regarding this letter, please telephone David Troop at (209) 488-4389.

F. SCOTT NEVINS
Senior Engineer
RCE No. 14336

DDT:ddt

cc: Mr. Michael Morse, U.S. Fish and Wildlife Service, Sacramento
Ms. Charyce Taylor, Department of Water Resources, Fresno
Dr. Jeff Single, Department of Fish and Game, Fresno
Mr. Michael Campos, Graham & James, Sacramento
Mr. Raymond Carlson, Baker, Manock & Jenson, Fresno
Mr. Bruce Myers, Krazan & Associates, Inc., Clovis

APPROVED
author 5/31/96
senior 5/30/96

MEMORANDUM

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD • CENTRAL VALLEY REGION
3614 East Ashlan Ave.
Fresno, CA 93726
Phone: (209) 445-5116
CALNET: 8-421-5116

To: F. SCOTT NEVINS
Senior Engineer

From: DAVID D. TROOP
Staff Engineer

DATE: 24 May 1996

SIGNATURE:

Subject: *STATUS OF CLOSURE ACTIVITIES, SUMNER-PECK RANCH, INC., EVAPORATION BASIN, FRESNO COUNTY*

I have reviewed the 27 January 1994 report entitled "Closure/Financial Assurance Plan", along with file documents detailing prior site activities and monitoring events. The following is a summary of site conditions and the status of closure activities.

BACKGROUND

The evaporation basin (site) is in the west-central San Joaquin Valley in a predominantly agricultural area approximately 13 miles south of Mendota. The site, approximately 100 acres in size and divided into six cells by earthen berms, was designed to dispose of agricultural drainage water from the surrounding 960 acres of farmland. The site is connected to a subsurface drainage system consisting of a buried tile-drain network and is designed to control subsurface groundwater levels below the root zone.

The site lies within the Panoche-Cantua Interfan, and consists of soils which are finer grained, consisting of more silts and clays, than the soils which comprise adjacent alluvial fans. Borings drilled in the vicinity of the site indicate that the upper 50 feet of subsurface consists predominantly of interbedded clays, silty clay, fine sandy clays, silty clayey sands and poorly graded fine sand lenses. The Corcoran Clay (locally termed E-Clay) Member of the Tulare Formation underlies the region near the site, and is approximately 100 feet thick at a depth of approximately 700 feet below ground surface (bgs).

Groundwater exists in a perched zone approximately 5 - 7 feet bgs, is of poor quality, and exhibits an electrical conductivity (EC) between 4,000 to 30,000 µmhos/cm. Better quality groundwater exists above the E-Clay at depths of around 400-500 feet bgs and exhibits an EC of around 1200-3500 µmhos/cm.

REMAINING ISSUES TO BE ADDRESSED

Waste Discharge Requirements Order No. 93-165, Provision B.4., required Sumner-Peck Ranch, Inc. (Peck) to submit a financial assurance and closure plan for review and approval of the Executive Officer. The plans were submitted on 27 January 1994 and were commented on by various agencies. Our 4 December 1995 memorandum listed the following deficiencies in the closure plan:

1. Confirmation that sediment concentrations in the basin are at background levels.

2. Lack of a final drainage and grading plan to eliminate water ponding, which could create a hazard to wildlife.

3. Lack of an adequate wildlife monitoring program, along with appropriate/adequate mitigation measures.

4. Lack of a permanent solution for decommissioning the underlying tile-drainage system.

Final plans addressing these issues were requested by 8 January 1996 and have not yet been received.

Recent telephone conversations with the consultant (Krazan) indicate that sediment samples collected from the basin on 5 April 1996 are expected to show background concentrations of selenium. Results of this sampling have not been received. Further, in review of file information, a representative sampling plan has not been located.

CONCLUSION

1. A closure plan addressing the comments from our memo of 4 December 1995 needs to be submitted.

2. A representative sampling plan should be included with the latest results of basin sampling.

Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair

FILE

Gray Davis
Governor

Fresno Branch Office
Internet Address: http://www.swrcb.ca.gov/~rwqcb5
1685 E Street, Fresno, California 93706-2020
Phone (559) 445-5116 • FAX (559) 445-5910

19 December 2002

Mr. Scott Skinner
Murrieta Farms (Westland Trust)
5854 S. San Diego
Mendota, CA 93650

Mr. Red Martin
Westside Resource Conservation Service
3763 E. Robinson Avenue
Fresno, CA 93726-5917

CLOSURE PLAN, MENDOTA AGROFORESTRY DEMONSTRATION PROJECT, FRESNO COUNTY

On 12 December 2002, we received an addendum to your closure plan. The amended closure plan appears adequate. The amended plan anticipates completed closure by 3 January 2003. Please proceed with closure as specified in the addendum to the closure plan. Upon completion of closing the solar evaporator we will schedule a notice of proposed rescission for Order No. 94-299 and propose a monitoring and reporting program as outlined in the addendum to the closure plan. Attached is a draft of the monitoring and reporting program for your review and comment.

Within 60 days of completing field activities for closure, please submit a post closure report certifying that the site was closed in accordance with the amended closure plan. As part of the post closure report, please provide photographs of the closed solar evaporator.

If you have any questions regarding this matter, please email or telephone Anthony Toto at toto@rb5f.swrcb.ca.gov or (559) 445-6278.

Clay L. Rodgers

CLAY L. RODGERS
Senior Engineering Geologist
CEG No. 1794

ALT

cc: Mr. Walt Shannon, Division of Water Quality, State Water Resources Control Board, Sacramento
Mr. Jose Faria, Department of Water Resources, Fresno
Mr. Manuchehr Alemi, Department of Water Resources, Sacramento

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO.

FOR
MURRIETA FARMS (WESTLANDS TRUST)
CLOSED DEMONSTRATION SITE
FRESNO COUNTY

This program shall monitor best management practices for erosion control implemented by Murrieta Farms (Westlands Trust), to control erosion at the sediment encapsulation area and to prevent the occurrence of blowing dust at the closed evaporation basin. This program is required pursuant to Section 13267 of the California Water Code. In the event of any change in ownership or responsibility for monitoring of the closed demonstration site, Murrieta Farms (Westlands Trust) shall notify the succeeding owner or operator of the existence of this Monitoring and Reporting Program by letter, a copy of which shall be immediately forwarded to this office.

a. Site Inspection

Annually, prior to the anticipated rainy season, but no later than 30 September, the Discharger shall conduct an inspection of the encapsulated area. The inspection shall assess the encapsulated area for any evidence of ponded water at any point on the facility (show affected area on map); or any evidence of erosion. Any necessary construction, maintenance, or repairs shall be completed by 31 October.

b. Storm Events

The Discharger shall inspect the encapsulated area for damage within 7 days following *major storm events*. Necessary repairs shall be completed within 30 days of the inspection. The Discharger shall report any damage and subsequent repairs within 45 days of completion of the repairs, including photographs of the problem and the repairs.

REPORTING

By 1 December of each year, the Discharger shall submit an annual report describing the results of the inspection and the repair measures implemented, including photographs of the problem and the repairs.

The annual report shall also provide:

a. The names, titles, general responsibilities of persons monitoring.

b. The names and telephone numbers of persons to contact for emergency and routine situations.

All reports submitted in response to this Order shall comply with the following signatory clause and appropriate signatures must be included.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

DRAFT

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

_____
(Date)

ALT

BSK

ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT

22, 627 Acres of Farmland
Phase 3 and 4 Properties
Within Westlands Water District
(Westlands W.D. RFP #03-402)
Fresno County, California

BSK E03.132.01F

Prepared for:

Mr. Russ Freeman
Westlands Water District
3130 North Fresno Street
Fresno, California 93703

August 18, 2004

Engineers, Geologists, Environmental Scientists

BSK

567 W. Shaw Ave., Ste. B
Fresno, CA 93704
(559) 497-2880
FAX (559) 497-2886

VIA HAND-DELIVERY **BSK E03.132.01F**

August 18, 2004

Mr. Russ Freeman
WESTLANDS WATER DISTRICT
3130 North Fresno Street
Fresno, California 93703

SUBJECT: Addendum to Limited Phase I Environmental Site Assessment 22,627 Acres of Farmland, Phase 3 and 4 Properties within Westlands Water District Fresno County, California (Westlands W.D. RFP #03-402)

Dear Mr. Freeman:

BSK Associates has prepared this Addendum to the Limited Environmental Assessment (LESA) addressing the follow-up review of selected properties within Phases 3 and 4 originally addressed in the LESA. Our services were provided to Westlands Water District in accordance with the scope of services presented in BSK's proposal E03.132.01F, dated June 25, 2003.

We appreciate this opportunity to be of continuing service to Westlands. Please contact us at (559) 497-2880, if you have questions concerning the report.

Sincerely,
BSK ASSOCIATES

C. Scott Smith, P.E.
Senior Environmental Engineer

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT SMITH
No. 040118
Exp. 3/31/05
CIVIL
STATE OF CALIFORNIA

CSS/mlt

cc: Mr. Russ Freeman (3 bound originals + 1 disc)
BSK File 310 (1 original + E-copy)

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J:\40\03\E03.132.01F Westlands 32K acre LESA\update phases 3, 4\report.doc

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ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT 22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN WESTLANDS WATER DISTRICT FRESNO COUNTY, CALIFORNIA

1.0 INTRODUCTION

This report presents the results of BSK Associates follow-up review of 22,627acres of farmland designated as Phases 3 and 4 of the Sumner-Peck Settlement Agreement. for Westlands Water District (Westlands).

A Limited Environmental Assessment (LESA) was conducted in 2003 for 31,500 acres of farmland collectively designated as Phases 2, 3 and 4 (BSK, 2003). The Phase 1 property transfers were previously completed. The Phase 3 and 4 follow-up reviews were originally to be conducted separately, but, at the request of Westlands, the reviews were conducted concurrently.

2.0 OBJECTIVE

The objective of the follow-up reviews was to identify and evaluate conditions at the Site properties, and at adjacent properties, with regard to possible sources of recognized environmental conditions which may have impacted the Site since the time of the LESA. Recognized environmental conditions (RECs) are defined by the American Society for Testing and Materials (ASTM) as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM, 2000).[1]

3.0 SCOPE OF ASSESSMENT

BSK scope of services for the follow-up reviews consisted of the following:

- Visited Site areas of particular environmental interest, including chemical storage areas, maintenance shops chemical storage areas, and areas with significant fuel storage, identified in the LESA for indications in changes in conditions since the LESA.

[1] The term "recognized environmental condition" includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Conducted a drive-by review of cropland areas for indications of substantial fuel leakage from above-ground fuel storage tanks (AGTs) and for agricultural chemical storage areas.

- Interviewed property owner representatives associated with Site areas of particular environmental interest for information regarding possible changes in activities subsequent to the LESA.

- Reviewed selected regulatory agency databases available on the internet for possible additional listings involving the Phase 3 and 4 and adjacent properties subsequent to the LESA.

- Prepared this report addendum.

While the follow-up reviews were generally conducted in accordance with the field reconnaissance element of ASTM Standard referenced herein, they did not necessarily strictly adhere to all aspects of the standard. The follow-up up visits were limited to Site areas of particular environmental interest specifically identified during the LESA. BSK's scope of services for the follow-up reviews did not include review information or conditions pertaining to properties beyond those immediately adjacent to the Site; acquisition of title documents; collection or analysis of soil, air, or building material, samples; nor evaluation of lead-based paint, or radon gas.

4.0 SITE LOCATION AND DESCRIPTION

The LESA identified several activities at the Phase 3 and Phase 4 Site areas which handle large quantities of fuels and/or chemicals, or include other activity which could pose a recognized environmental condition if not managed properly. The indicated information was provided by Westlands. Since the time of the LESA, many of the involved Site areas have been removed from the transaction, due owner desire to retain them, and are not included in this review. The Phase 3 and 4 Site areas removed, that would otherwise be included in our follow-up visits, are the farm operations yards of Seaholtz and Silveira in Phases 3 and 4, and O'Neill, Orff and Thomsen in Phase 4.

Table 1 includes a listing of involved Site areas, including the property owners, assessors parcel numbers, acreages and Phase designations. Included in the table area also parcels which are comprised of cropland only. The indicated information was provided by Westlands. The indicated parcel acreages are adjusted to account for those areas that the owner has elected to retain subsequent to the LESA. Figures 1 and 2 shows the location of the Phase 3 and Phase 4 parcels respectively, including those which are included in multiple Phases. The indicated limits of the parcels are approximate only.

5.0 SITE VISIT

Follow-up visits of the Site were performed by BSK Senior Environmental Engineer, C. Scott Smith, PE, between August 4 and August 11, 2003. Summarized below are our general observations at the Site cropland areas, at property-specific specific facilities of particular environmental interest identified in conjunction with LESA, and during a drive-by review of the adjacent properties. More detailed descriptions of Site features are included in the LESA.

Interviews were conducted with owner representatives at the time of the visits and are incorporated into our discussions in Sections 5.2 and 5.3.

5.1 Cropland Areas

Based on BSK's drive-by review of the Phase 3 and 4 cropland areas from public roads and farm roads:

- No additional water well sites have been constructed and no chemical storage areas were observed
- No agricultural chemical storage areas were observed.
- No significant spillage of fuels from AGTs was observed.

5.2 Phase 3

Wolfsen (SW ¼ Section 3, T15S/R14E)

Mr. Albert Laguna accompanied BSK during the visit. Features of particular interest identified during the LESA include a large chemical storage building, liquid fertilizer tanks, and a cotton gin, all of which remain in use.

Agricultural chemicals are stored in an enclosed, secured building with concrete flooring in the south-central portion of the facility (Figure 3A, No. 1). No appreciable chemical spillage, corroded flooring, or discoloration of open ground adjoining the buildings were observed.

The cotton gin includes a compress constructed below ground within an enclosed concrete vault. No hydraulic oils for the compress are stored below grade.

Exterior areas include numerous portable and stationary fertilizer and nutrient tanks. Drainage from the exterior areas is toward a drainage channel which flows to the south and then to the east along the southern boundary of the area. The surface soils of the channel are discolored from fertilizers and/or nutrients. The condition would not be considered a recognized environmental condition.

Of the single family residences present in the vicinity of the facility on property owned by Wolfsen present at the time of the LESA, none were observed to have since been removed or demolished.

Wolfsen (SW¼ and NW¼ Section 4 T15S/R14E)

Mr. Albert Laguna, Facilities Manager, accompanied BSK during the visit of the farming operation yard. Features of particular interest identified during the LESA include numerous AGTs, a drum storage area, a waste oil AGT, outdoor equipment and farm vehicle storage areas, and a crop-duster landing strip, all of which remain in use.

The areas of the fuel AGTs are absent of indications of spillage, beyond minor drippings from fuel spouts and other connections. Areas with multiple AGTs are within a containment with concrete flooring and perimeter berm. The waste oil AGT is in the northwest portion of the yard and is also within a concrete containment. (Figure 3A, No. 2).

A north-south oriented crop-duster landing is located along the eastern boundary of the yard. The strip is maintained by others in conjunction with serving the Wolfsen operation. The bin present at the time of the LESA, used for temporary storage of discarded small chemical containers and bags of dry sulfur, is no longer present. Portions of the turn-around area are paved. Exposed soils in unpaved areas adjoining the turn-around on the west are chemically discolored from landing-strip operations (Figure 3A, No. 3). The discoloration is reportedly largely associated with the mixing of liquid fertilizers at the turn-around. No odors typically associate with pesticides were sensed during the visit.

Peck (SE¼,S1,T16S/R14E)

Mr. Kelly Peck, Farm Manager, accompanied BSK during the visit of the farming operations yard. Features of particular interest identified during the LESA include a chemical storage building, AGTs, vehicle and equipment maintenance shops, a drum storage area, and a steam cleaning area, all of which remain in use.

The areas of the AGTs are absent of indications of spillage, beyond minor drippings from fuel spouts and other connections (Figure 3B, No. 1). An area in the northwest portion of the yard is designated for temporary storage of empty lubricating oil drums (Figure 3B, No. 2). No appreciable soils discoloration was observed in the area.

Two tanks, which are reported to have been previously used as underground fuel storage tanks (USTs) at the yard, are present in the drum storage area. As reported in the LESA, their removal was not overseen by a regulatory agency. Mr. Peck had also indicated that minor soils discoloration was observed in the area of the inlet piping at the time of UST removal.

Agricultural chemicals are stored in an enclosed, secured building with concrete flooring in the east-central portion of the yard (Figure 3B, No. 3). No appreciable chemical spillage, corroded flooring, or discoloration of open ground adjoining the building was observed.

The steam cleaning system adjoins the tire shop to the west. Spent washwater is discharged to a small unlined sump. No appreciable oil accumulation was observed on the water surface or on the exposed side walls of the sump.

Of the single family residences present in the vicinity of the yard on property owned by Peck present at the time of the LESA, none were observed to have since been removed.

Peck (NW¼, Section 5, T16S/R15E)
The series of six large, connected subsurface drainage basins remain out of service. Visible salt accumulation is present in some of the low points of the basins. The basins are subject to closure requirements of the California Regional Water Quality Control Board (Section 6.2)

5.3 Phase 4

Peck (SW¼, Section 12, T16S/R14E)
A north-south oriented crop-duster landing is located a few miles south west of the Peck farming operation yard and is surrounded by cropland (Figure 4, No. 1). The strip is maintained by others in conjunction with serving the Peck operations. Surface discoloration of the paving and exposed soils is present in some areas. To the west of the strip is a ditch where burning of small plastic chemical containers is evident.

Kreisant (Section 30,T14S/R15E)
Mr. Richard Guenther, a friend of the owner, accompanied BSK during the visit of the farming operations yard. Features of particular interest include AGTs, storage buildings, a drum storage area, and a steam cleaning area.

The AGTs are within a containment with concrete flooring and perimeter berm. No fuel leakage, beyond minor drippings from fuel spouts and other connections, was observed (Figure 4, No. 2).

Farm equipment, vehicles, various farm implements, small plastic herbicide containers, and tools are stored in three onsite buildings. Adjoining the northern-most shop on the east is an area for storage of empty lubricating oil drums. No appreciable spillage of oils was observed in the area.

A stream cleaning pad is present in the northwestern portion of the yard. Drainage from the area is toward a concrete sump which is reportedly periodically emptied by a local vendor.

5.4 Adjacent Properties

The adjacent properties were reviewed from the Site public and farm roads adjoining the Site. The preponderance of the adjacent properties are farmland. Farming operation yards and diesel-powered well sites are also present in some areas. No appreciable changes in adjacent property usage, compared to those observed during the LESA, or indications of conditions which appear to have the potential to environmentally impair the Site were observed.

6.0 REGULATORY REVIEW

BSK's regulatory review included a review of selected agency regulatory data bases available on the internet, to assess possible changes in listings subsequent to the LESA, and inquires with selected agency representatives.

6.1 Agency Lists

BSK reviewed the following USEPA, and State of California data bases available on the internet and a data base made available by the Fresno County Community Health Department to assess possible additions involving for the Site and adjacent properties subsequent to the LESA.

- United States Environmental Protection Agency (USEPA)
  Database: *FINDS*
  (facilities regulated under a variety of EPA programs)
  (Source: http://d1.rtknet.org/fin/)

- Department of Toxic Substances Control:
  Database: *Site Mitigation and Brownfield's Reuse Program*
  (hazardous waste properties of the previous CalSites program)
  (Source: http://www.dtsc.ca.gov/database/CalSites/calf001.cfm)

- State Water Resources Control Board
  Database: *Geotracker*
  (leaking underground fuel storage tanks)
  (Source: http://geotracker.swrcb.ca.gov/)

- Fresno County Community Health Department (FCCHD)
  Database: *Consolidated Uniform Permitting Agency* (CUPA)
  (CUPA agencies are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that require Hazardous Materials Business Plans, accidental Release Plans, operate USTs, and generate hazardous waste).

The Phase 3 and 4 properties, and the adjacent properties, are not currently listed on these databases.

6.2 Regulatory Agency Inquiries

Mr. Anthony Toto, Associate Water Resources Control Engineer with the California Regional Water Quality Control Board (CRWQCB) was contacted for information regarding the Peck evaporation basins (Section 5.3). Mr. Toto indicated that the basins remain subject to closure and that capping may be considered as a compliance measure.

In addition, at the request of Westlands, BSK inquired as to the status of the former discharge basin (solar evaporator) of Wolfsen, Section 19, T14S/R15E addressed in LESA as a Phase 2 property. The basin has been capped to address CRWQCB requirements. The CRWQCB has prepared a rescinding notice for the waste discharge requirements, and a monitoring and reporting program requiring inspection and maintenance of the cap for Board consideration in the October public hearing.

7.0 SUMMARY AND RECOMMENDATIONS

Sections 7.1 and 7.2 summarize our findings and recommendations for the Phase 3 and Phase 4 reviews, respectively. Section 7.3 summarizes our findings of the drive-by review of the adjacent properties. Section 7.4 includes general statements addressing the various properties involved.

7.1 Phase 3

Peck

A UST was reportedly removed from the Section 1 yard in the early 1990s. It has not been established if there were fuel releases requiring possible remediation. Subsurface assessment would be necessary to evaluate the potential for impacts to soils and groundwater associated with possible previous fuel releases.

Closure is required for the Section 5 subsurface drainage basins. It is conceivable that the CRWQCB may allow capping as a method of closure. Given the size of the basins, a closure means which satisfies the CRWQCB requirements would be a major undertaking.

Wolfsen

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

7.2 Phase 4

Peck

A crop duster landing strip is located along the eastern boundary of the parcel and shallow soils discoloration was observed in portions of the turn-around area. Confirmation of the absence of excessive concentrations of chemicals of concern with depth would require sampling and analyses.

7.3 Adjacent Properties

No appreciable changes in adjacent property usage, compared to those observed during the LESA, or indications of conditions which appear to have the potential to environmentally impair the Site were observed.

7.4 All Properties

Agricultural properties are subject to the use of a variety of agricultural chemicals, including pesticides, herbicides, insecticides, fungicides, etc. Problematic concentrations of such chemicals in

soil or water, those which would constitute recognized environmental conditions if evidenced, are most-commonly associated with agricultural chemical storage areas, formulation areas, equipment/container wash-down areas, or irrigation tail water conveyance and storage facilities. No such activities were identified as being currently or historically associated with the Site properties. However, general application of such chemicals may also result in environmental impairment under certain circumstances. While BSK found no evidence of recognized environmental conditions, more definitive information regarding the presence or absence of agricultural chemicals in soils or waters of the Site properties would require sampling and analysis.

Oil-lubricated irrigation supply wells, such as those onsite, can potentially be a source of impact to groundwater, through loss of oil from the lubrication system or turbines. The regulatory agencies have not requested investigation of such potential releases in the absence of suspected impacts to municipal water supplies. Further assessment would be required to evaluate whether such releases have occurred and if so, the conditions warrant further action.

Several of the Phase 3 and 4 Site areas include farm labor residences, and/or office buildings and similar improvements. Such structures were not reviewed for the presence and condition of wall board, linoleum, and other potential asbestos containing materials (ACBMs). Due to the age of the Site structures, ACBM's and lead-based paints could be present. If demolition or renovations are to occur, testing for ACBMs by a Certified Asbestos Consultant and for lead-based paint would be required.

8.0 LIMITATIONS

This report has been prepared for the exclusive use of Westlands Water District in conjunction with the subject settlement agreement. It is strictly prohibited for others to use or rely on the information contained in this report unless given express written consent of BSK Associates.

The findings and conclusions presented in this report are based on field reviews, and data obtained from the sources listed in the report. No other warranty, either express or implied, is made as to the findings or conclusions contained herein.

Industry associations and trade groups have published differing, and sometimes conflicting, guidelines for the preparation of site assessments. In many instances these guidelines provide a level of investigation which differs from current practice and the scope of services presented above. This report has been prepared in accordance with BSK's scope of services in general recognition of, as opposed to specific adherence to, the ASTM standard referenced herein.

The purpose of the assessment was to provide a preliminary evaluation for the possible presence of recognized environmental conditions at the Subject Site. This report provides neither certification nor guarantee that the properties are free of hazardous substance contamination nor individually in compliance with current regulations.

9.0 REFERENCES

ASTM, 2000, American Society for Testing and Materials, Standards *on Environmental Site Assessments for Commercial Real Estate*, E-1527, second edition.

BSK, 2003. BSK Associates, *Limited Phase I Environmental Site Assessment Report 31,500 Acres of Farmland within the Westlands Water District, Fresno County, California, August 19, 2003.*

TABLES

TABLE 1 - PHASE 3 & 4 PROPERTY DESCRIPTIONS

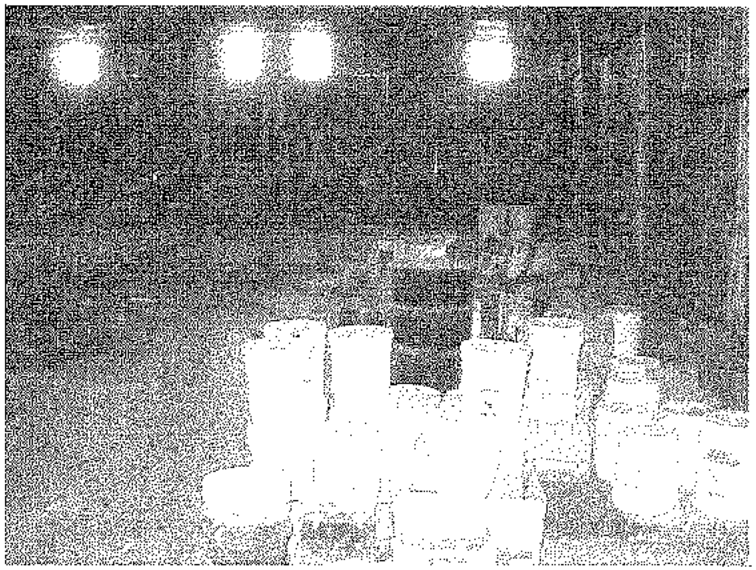
Family	APN	Geographic Coords	PHASE 3.0	PHASE 4.0	Total
A.E. Allen	011 130 12S	NE1/4,S24,T13,R13	***49.4***	***49.4***	***98.8***
A.D. Allen	012 110 16S	NE1/4,S19,T13,R14	103.4		103.4
	012 110 26S	NE1/4,SW1/4,S19,T13,R14	13.2	25.5	38.7
	012 110 24S	E1/2 & SW1/4 , SW1/4,S19,T13,R14	40.4	78.3	118.7
	012 110 22S	SE1/4,S19,T13,R14	53.5	106.5	160.0
			210.4	***210.3***	***420.7***
Guenther	038 320 01S	S2,T16,R14, lots 31&32		39.3	39.3
	028 101 53	W1/2, SE1/4 , NW1/4,S35,T15S,R14	20.0		20.0
	038 320 30S	S2,T16,R14, lot 2		20.0	20.0
	038 320 24S	S2,T16,R14, lot 16	20.0		20.0
	038 320 26S	S1/1, SW1/4, SE1/4, S2, T16/R14		20.0	20.0
	038 320 27S	S2,T16,R14, lot 3	20.0		20.0
	038 320 29S	S2,T16,R14, lot 19		20.0	20.0
	038 320 28S	S2,T16,R14, lot 14		20.0	20.0
	038 320 25S	S2,T16,R14, lot 15	20.0		20.0
	038 320 06S	NE1/4, NW1/4, S2, T15,R14		38.2	38.2
	038 320 12S	S1/2, NE1/4, SE1/4,S2, T15,R14		20.0	20.0
	038 320 30S	S1/2, NE1/4, NE1/4,S2, T15,R14		20.0	20.0
	028 101 51S	SW1/4,S35,T15,R14	160.0		160.0
			240.0	***197.5***	***437.5***
Etcheberry	028 101 15S	S26,T15,R14, lot 6			0.0
	028 101 62S	S26,T15,R14, lots 1,4,7,8,11-16	146.3	146.3	292.5
			146.3	***146.3***	***292.5***
Jones	012 110 08S	S20,T13,R14		316.4	316.4
	012 110 09S	S20,T13,R14		320.0	320.0
	012 150 07S	S22&27,T13,R14		109.5	109.5
	012 150 09	S27,T13,R14	155.6		155.6
	012 120 15S	S21,T13,R14	476.0		476.0
	012 190 25S	W1/2,S36,T13,R14	306.8		306.8
	012 180 17S	S34,T13,R14	150.8		150.8
	012 190 26S	E1/2,S35,T13,R14		308.86	308.9
			1,089.2	***1,054.8***	***2,144.0***
Kriesant	019 180 01S	S30,T14,R15	320.0	314.8	634.8
	019 180 32S	N1/2,S31,T14,R15	156.7		156.7
	028 101 50S	SE1/4,S35,T15,R14		160.0	160.0
	038 320 31S	S2,T16,R14, lot 5		20.0	20.0
	028 101 17S	S26,T15,R14, SW1/4 and N1/2 , lot 5		15.0	15.0
			476.7	***509.8***	***986.5***
Peck	038 071 27S	SW1/4,S12,T16,R14		120.0	120.0
	038 071 26	SE1/4,S12,T16,R14		40.0	40.0
	038 071 22S	SE1/4,S12,T16,R14		37.9	37.9
	038 071 21	SE1/4,S12,T16,R14		37.9	37.9
	038 150 65S	SW1/4,S17,T16,R15		160.0	160.0
	038 150 68S	SW1/4,S18,T16,R15		86.0	86.0
	038 080 03S	NE1/4,S6,T16,R15	160.0		160.0
	038 080 38S	SE1/4,S6,T16,R15	160.0		160.0

Peck	038 080 22S	SW1/4,S8,T16,R15	78.8		78.8
	038 320 34S	SE1/4,S1,T16,R14	14.0		14.0
	038 320 33S	SE1/4,S1,T16,R14	102.5		102.5
	038 080 04S	NW1/4,S5,T16,R15	160.3		160.3
	038 080 32S	SW1/4,S7,T16,R15		83.7	83.7
	038 080 33S	SW1/4,S7,T16,R15		83.7	83.7
	038 080 25S	SE1/4,S7,T16,R15		158.2	158.2
	038 080 23S	NW1/4,S8,T16,R15	160.0		160.0
	038 080 21S	SW1/4,S8,T16,R15		78.8	78.8
	038 071 25	SE1/4,S12,T16,R14	40.0		40.0
	038 080 16S	NE1/4,S8,T16,R15	80.0		80.0
	038 080 17S	NE1/4,S8,T16,R15	80.0		80.0
	038 071 28	SW1/4,S12,T16,R14	39.4		39.4
	038 141 35S	NW1/4,S13,T16,R14		37.1	37.1
	038 141 48S	NE1/4,S13,T16,R14		122.3	122.3
	038 080 35S	NW1/4,S6,T16,R15	165.0		165.0
	038 080 05S	SW1/4,S5,T16,R15	160.0		160.0
	038 080 18S	SE1/4,S8,T16,R15	157.6		157.6
	038 080 14S	SW1/4,S9,T16,R15		119.1	119.1
	038 080 13S	SW1/4,S9,T16,R15		19.1	19.1
	038 080 12S	SW1/4,S9,T16,R15		20.0	20.0
	038 150 64S	NW1/4,S17,T16,R15		158.2	158.2
			1,557.6	***1,361.9***	***2,919.5***
Seasholtz	019 050 61S	E1/2,S10,T14,R14	321.0		321.0
	011 160 15S	Portion N1/2,E1/4,S25,T13,R13		60.0	60.0
	011 160 16S	S1/2,NE1/4,S25,T13,R13		80.0	80.0
	011 160 17S	N1/2,NE1/4,S25,T13,R13		66.2	66.2
	019 040 04S	SW1/4,S4,T14,R14	156.2		156.2
	019 040 05S	SE1/4,S4,T14,R14	161.1		161.1
			638.3	***206.2***	***844.5***
D.Silveira	019 050 56S	N1/2&SW1/4,S11,T14,R14		469.7	469.7
	019 050 55S	SE1/4,S11,T14,R14		160.1	160.1
	019 050 48S	N1/2 , W1/2 , SW1/4,S12,T14,R14	36.8		36.8
	019 110 13S	S1/2&NE1/4,S13,T14,R14	472.7		472.7
	019 110 06S	NW1/4,S13,T14,R14	156.4		156.4
	019 110 03S	S1/2,S14,T14,R14		314.6	314.6
	019 110 04S	NW1/4,S14,T14,R14		156.38	156.4
	019 110 05S	NE1/4,S14,T14,R14	156.4		156.4
	019 120 04S	S1/2 , SW1/4,S18,T14,R15		156.4	156.4
	019 050 19S	W1/2 , SE1/4,S12,T14,R14	79.1		79.1
	019 050 59S	E1/2 , SE1/4,S12,T14,R14	77.4		77.4
			978.8	***1,257.2***	***2,236.0***
R Silveira	012 150 11S	S1/2,S28,T13,R14	***106.6***	***106.6***	***213.2***
M.Silveira	019 120 21S	SE1/4,S17,T14,R15	155.2		155.2
	019 120 23S	S1/2 , SW1/4,S17,T14,R15		74.8	74.8
			155.2	***74.8***	***230.0***
Thomsen	050 070 40S	NW1/4,S15,T17,R16		151.5	151.5
	050 070 41S	W1/2 , NE1/4,S15,T17,R16		80.0	80.0
	050 060 48S	SW1/4,S16,T17,R16	105.1		105.1
	050 060 47S	SW1/4,S16,T17,R16	52.5		52.5
	050 060 46S	NW1/4,S16,T17,R16	52.5		52.5
			210.1	***231.5***	***441.6***

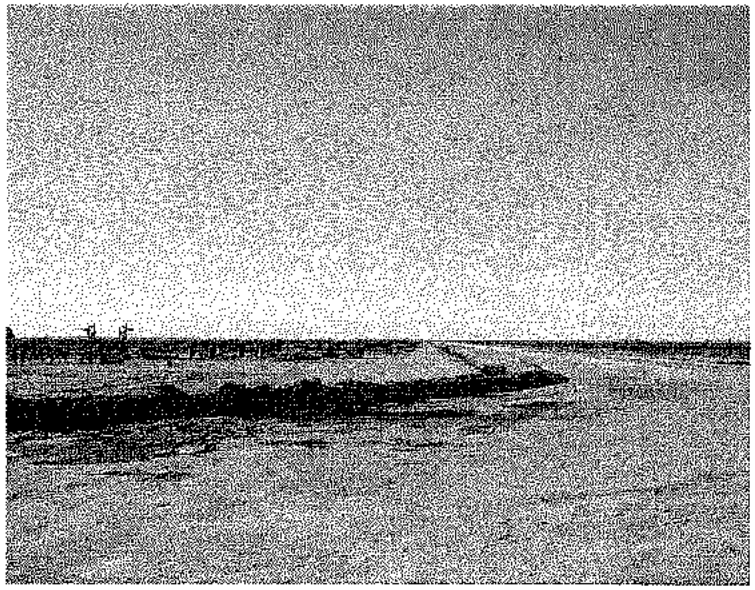
Wolfsen	019 110 10	S22,T14,R14		632.8	632.8
	019 110 09	S23,T14,R14	316.4	158.2	474.6
	019 170 03	S25,T14,R14	158.2		158.2
	019 170 02	S26,T14,R14	159.2		159.2
	019 170 16	S27,T14,R14	318.2	159.1	477.3
	019 160 34S,35S	S28,T14,R14	377.5	236.4	613.9
	019 160 13S	SE4,S29,T14,R14		158.2	158.2
	019 210 52S,48,49,50,4	S34,T14,R14	464.4	618.2	1,082.6
	019 170 12	S35,T14,R14	316.4		316.4
	028 140 38S,05,21,39S	S2,T15,R14	155.3	466.0	621.3
	028 130 12S,46S,47S	S3,T15,R14	315.1	630.7	945.8
	028 130 45S,02,43S,15	S4,T15,R14	155.6	466.7	622.3
	028 150 01S	S9,T15,R14	315.5	309.5	625.0
	028 150 31	N1/2, NE1/4, NE/14, T15,R14	20.0		20.0
	028 150 46S,08S,09S,4	Por,S10,T15,R14	150.6	174.9	325.5
	028 150 47S	N1/2, NW1/4,SW1/4, SW1/4, S10,T15,R14	4.8		4.8
	028 160 14S	SW4,S11,T15,R14	158.2		158.2
			3,385.3	***4,010.6***	***7,395.8***
O'Neill	060 050 41S	N1/2,S3,T18S,R17E		307.4	307.4
	060 050 40S	S1/2,S3,T18S,R17E		299.2	299.2
	060 042 12S	NW¼,S11,T18s,R17		6.0	6.0
	060 042 13S	NE1/4,S4,T18S,R17E	160.8		160.8
	060 042 15S	SW1/4,S4,T18S,R17E		160.0	160.0
	060 042 21S	SE1/4,S4,T18S,R17E		160.0	160.0
	060 042 22S	S1/2 , NE1/4,S9,T18S,R17E	80.0		80.0
	060 042 16S	NW1/4,S9,T18S,R17E	160.0		160.0
	060 042 17S	SW1/4,S9,T18S,R17E	160.0		160.0
	060 042 18S	SE1/4,S9,T18S,R17E	160.0		160.0
	060 042 04S	N1/2,S8,T18S,R17E		309.0	309.0
	060 042 24S	NW¼, NW¼S8, T18,R17		7.1	7.1
	060 042 03S	S1/2,S8,T18s,R17E		280.5	280.5
	060 041 03	N1/2,S7,T18s,R17E	384.0		384.0
	060 041 02	NE1/4, NE1/4, NE1/4, SW1/4,S7, T18, R17	0.6		0.6
	060 030 19S	SE1/4,S2,T18S,R16E	157.6		157.6
	060 030 29S	SE1/4,S11,T18,R16	157.6		157.6
			1,420.5	***1,529.2***	***2,949.8***
Orff	028 110 79S	N1/2,S31,T15,R15		306.8	306.8
	028 110 74S	N1/2,SE1/4,S31,T15,R15		80.0	80.0
	028 110 07S	SW1/4,S29,T15,R15	160.0		160.0
	028 110 05	S1/2,SE1/4,NE1/4,S30,T15,R15	20.0		20.0
	028 110 33	N1/2,N1/2,NW1/4.NW1/4,S32,T15,R15	10.0		10.0
	028 110 31S	Por,W1/2,E1/2,NW1/4,S32,T15,R15	30.0		30.0
	028 110 32S	Por,E1/2,NW1/4,S32,T15,R15	22.5		22.5
	028 110 30S	Por,E1/2,NW1/4,S32,T15,R15	15.0		15.0
	028 110 34	S3/4,NW1/4.NW1/4,S32,T15,R15	30.0		30.0
	028 110 35	Por,SW1/4,NW1/4,S32,T15,R15	4.1		4.1
	028 110 36	W1/2,SW1/4,NW1/4,S32,T15,R15	20.0		20.0
	028 110 39S	Por,S1/2,SE1/4,S31,T15,R15	50.0		50.0
	028 110 55S	NW Cor,S31,T15,R15		1.1	1.1
	028 110 44	N1/2,SW1/4,SE1/4,S31,T15,R15		20.0	20.0
	028 110 45	SW1/4,SW1/4,SE1/4,S31,T15,R15	10.0		10.0
			371.6	***407.9***	***779.5***
Walton	019 050 50S	S12,T14,R14	***237.3***		***237.3***
			11,273.3	**11,354.0**	**22,627.2**

FIGURES

FIGURE 3A
BSK E0313201F
AUGUST 2004



NO. 1 **WOLFSEN,** SW ¼ Section 3, T15S/R14E - Chemical Storage Bldg.; Looking north from south entrance.



NO. 3 **WOLFSEN,** Section 4, T15S/R14E – Turn-around area of landing strip, Looking south

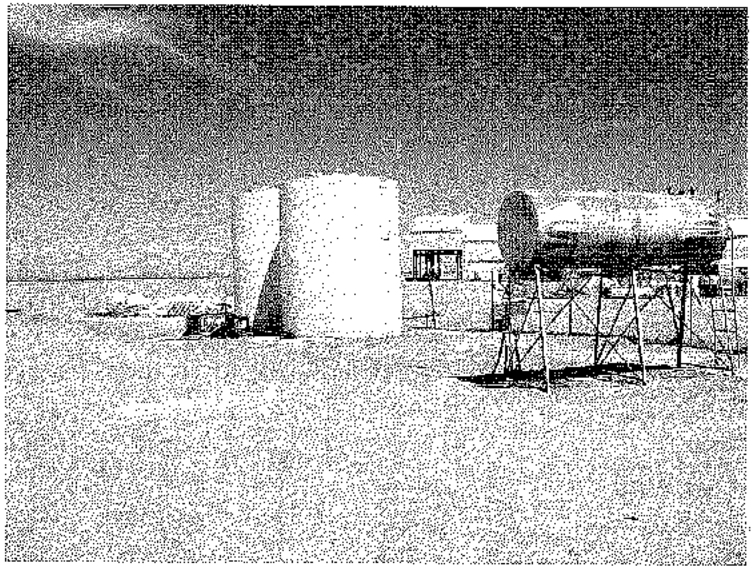
NO. 2 **WOLFSEN,** Section 4, T15S/R14E- Waste Oil Tank and Drum Storage Area in northwest portion of yard; Looking North

PHASE 3 SITE PROPERTY PHOTOGRAPHS

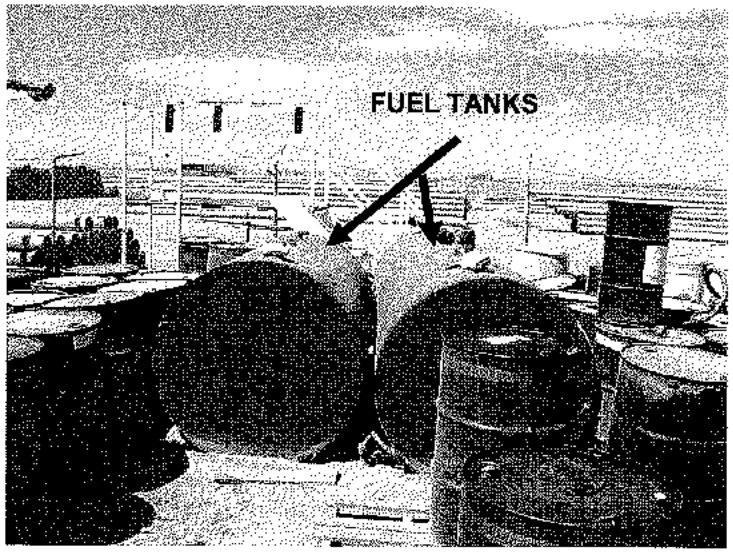
ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK

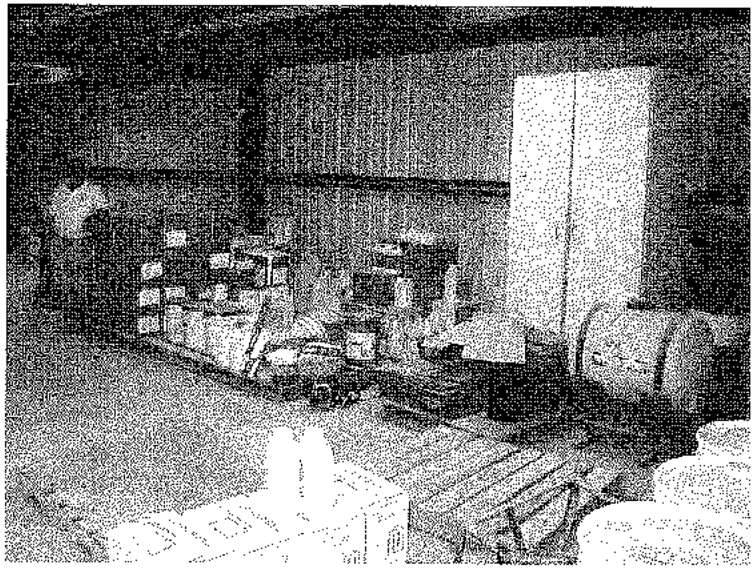
FIGURE 3B
BSK E0313201F
AUGUST 2004



NO. 1 **PECK,** SE1/4,S1,T16S/R14E - AGTS in southeast portion of yard; Looking northeast



NO. 2 **PECK,** SE1/4,S1,T16S/R14E - Drum storage area AGTs in northeast portion of yard; Looking north



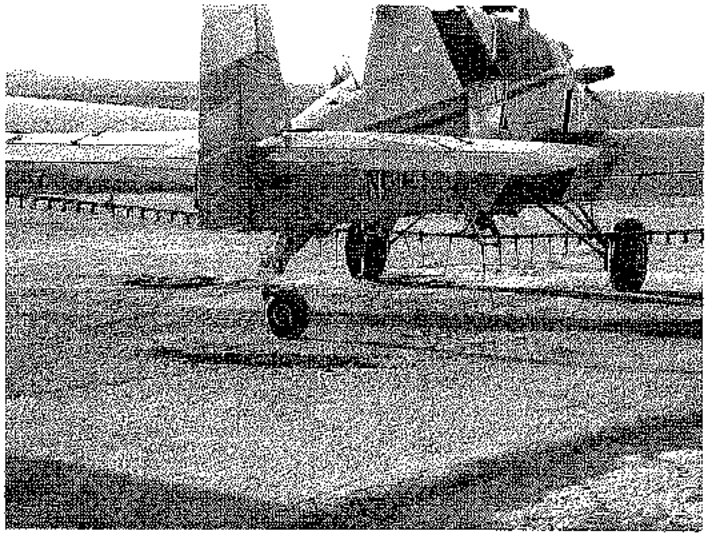
NO. 3 **PECK,** SE1/4,S1,T16S/R14E - Chemical storage building in west-central portion of yard

PHASE 3 SITE PROPERTY PHOTOGRAPHS

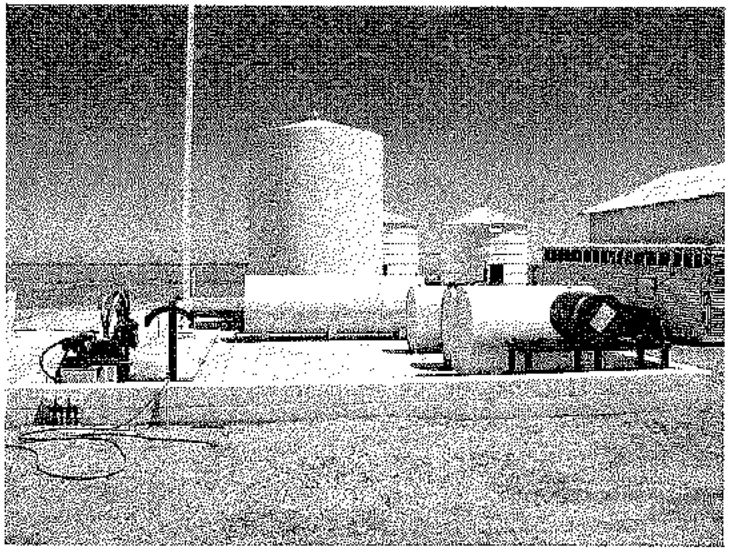
ADDENDUM TO LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK

FIGURE 4
BSK E0313201F
AUGUST 2004



NO. 1 **PECK,** SW¼, Section 12, T16S/R14E - Turn-around area of landing strip; looking southeast.



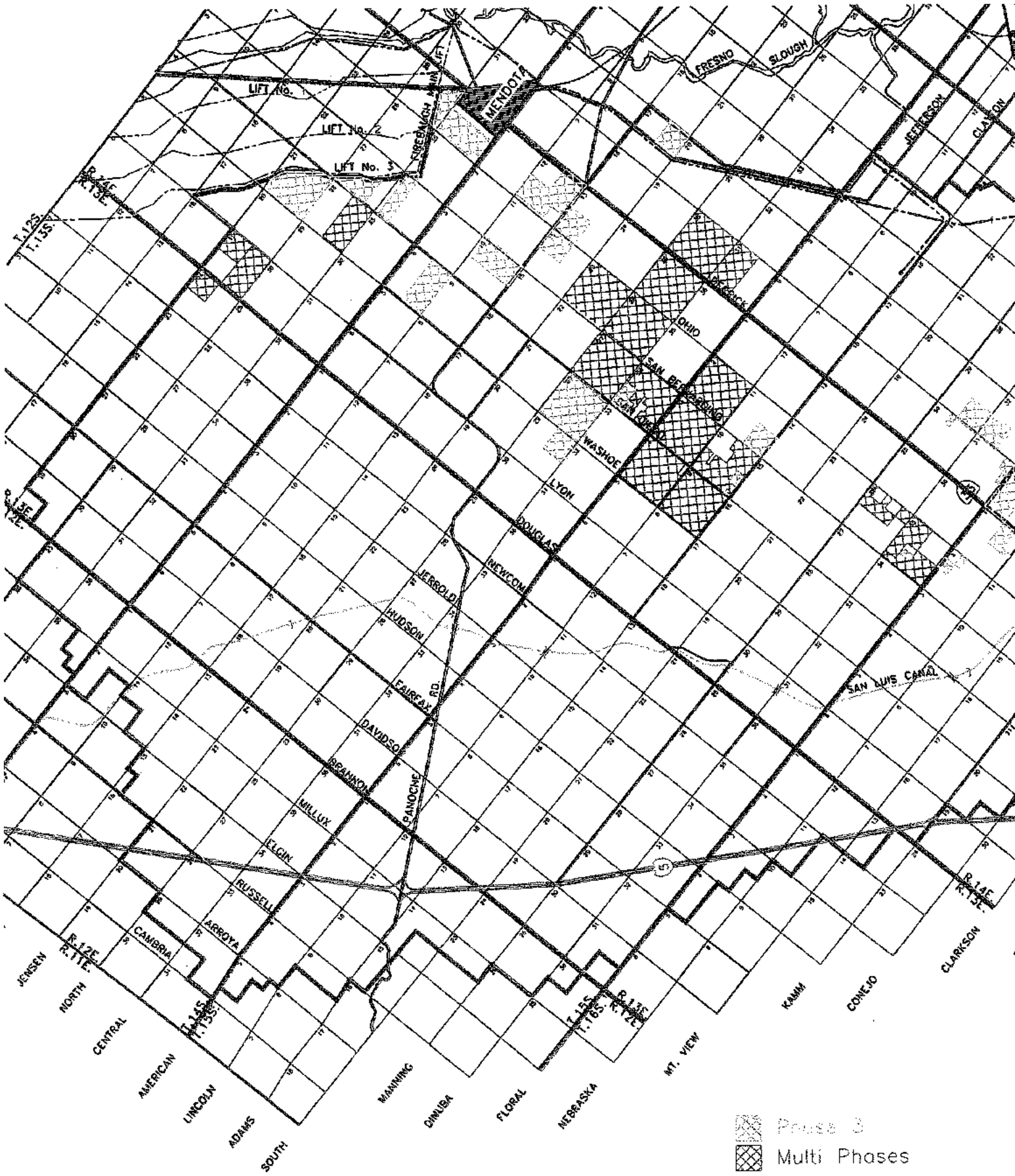
NO. 2 **KRIESANT,** Section 30, T14S/R15E - AGTs in northern portion of yard.

NO. 3 **KRIESANT,** Section 30, T14S/R15E - Drum storage area on east side of northern most storage building.

PHASE 4 SITE PROPERTY PHOTOGRAPHS

REPORT OF FOLLOW-UP SITE VIRONMENTAL REVIEW
22,627 ACRES OF FARMLAND, PHASE 3 AND 4 PROPERTIES WITHIN
WESTLANDS WATER DISTRICT
FRESNO COUNTY, CALIFORNI

BSK


LIFT No. 1
LIFT No. 2
LIFT No. 3
MENDOTA
FRESNO SLOUGH
JEFFERSON
CLAYTON
T.12S.
T.13S.
R.14E.
R.13E.
OHIO
SAN BERNARDINO
WASHOE
LYON
DOUGLAS
NEWCOMB
JERROLD
HUDSON
FAIRFAX RD.
DAVIDSON
BRANNON
PANOCHE
MILLUX
ELGIN
RUSSELL
ARROYA
CAMBRIA
SAN LUIS CANAL
JENSEN
NORTH
CENTRAL
AMERICAN
LINCOLN
ADAMS
SOUTH
MANNING
DINUBA
FLORAL
NEBRASKA
MT. VIEW
KAMM
CONEJO
CLARKSON
R.12E.
R.11E.
T.14S.
T.15S.
T.16S.
Phase 3
Multi Phases

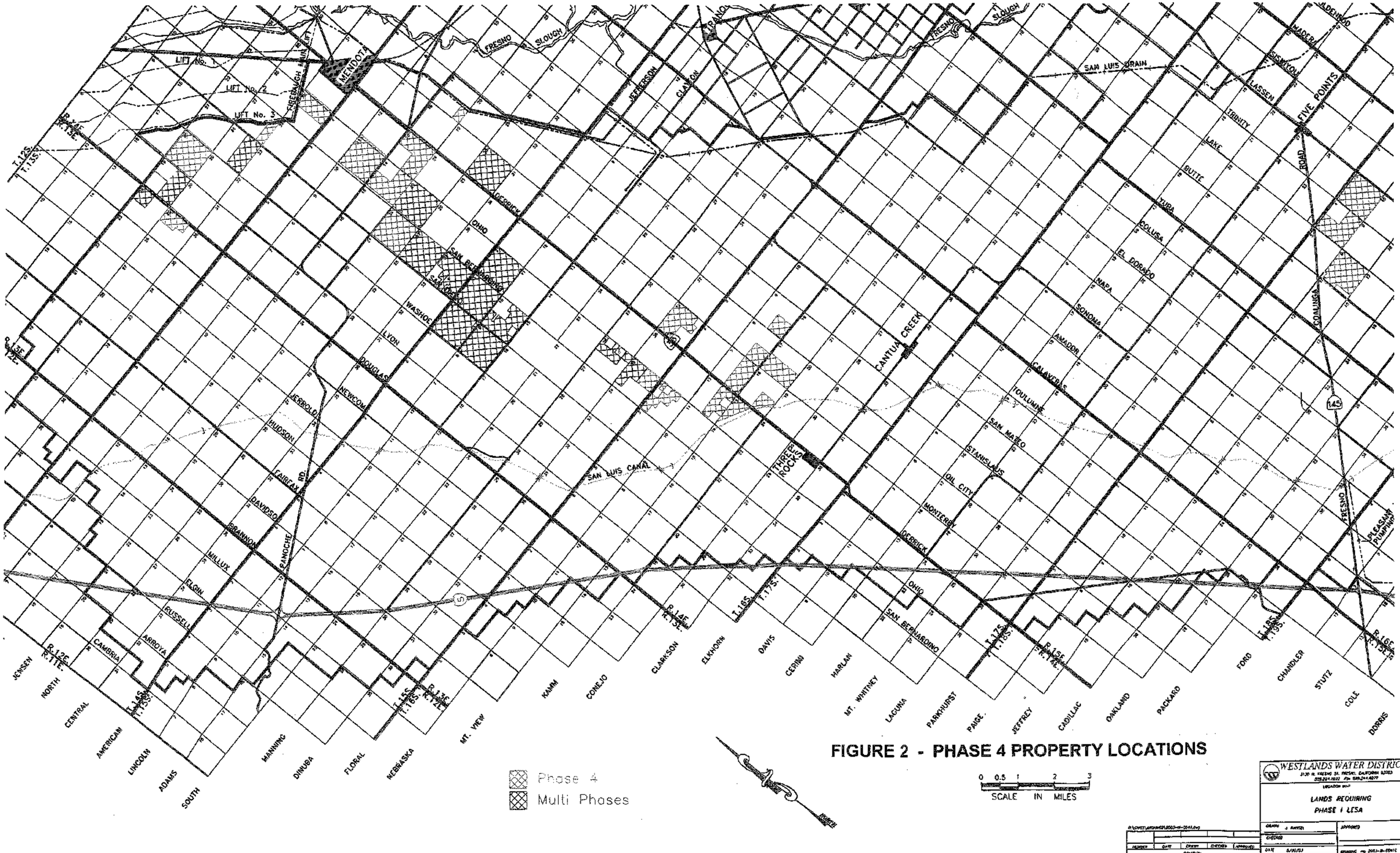


FIGURE 2 - PHASE 4 PROPERTY LOCATIONS

APPENDIX E

EDR Radius Map Report

Little Bear Expansion Project
SWC of W. California Avenue & S. Derrick Avenue
Mendota, CA 93640

Inquiry Number: 4804859.2s
December 13, 2016

The EDR Radius Map™ Report with GeoCheck®

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

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	12
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-10
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.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SWC OF W. CALIFORNIA AVENUE & S. DERRICK AVENUE
MENDOTA, CA 93640

COORDINATES

Latitude (North):	36.7127610 - 36˚ 42' 45.93''
Longitude (West):	120.3963680 - 120˚ 23' 46.92''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	732558.1
UTM Y (Meters):	4065966.5
Elevation:	189 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5602474 COIT RANCH, CA
Version Date:	2012
East Map:	5602938 TRANQUILLITY, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140622, 20140620
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SWC OF W. CALIFORNIA AVENUE & S. DERRICK AVENUE
MENDOTA, CA 93640

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FRANCO GARAGE	915 DERRICK AVE	CUPA Listings	Lower	34, 0.006, SE
A2		915 S DERRICK AVE	EDR Hist Auto	Lower	34, 0.006, SE
3	BRITZ FERTILIZERS PR	ADAMS AND DERRICK AV	SLIC	Lower	35, 0.007, East
4	FEDERAL CORRECTIONAL	33500 W CALIFORNIA A	CUPA Listings, HAZNET	Lower	60, 0.011, North

EXECUTIVE SUMMARY

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
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
SEMS ..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

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

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - 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
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
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds 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
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted 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	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
CA FID UST	Facility Inventory Database

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
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
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
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

EXECUTIVE SUMMARY

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
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
HIST CORTESE	Hazardous Waste & Substance Site List
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
ABANDONED MINES	Abandoned Mines
ICE	ICE
ECHO	Enforcement & Compliance History Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
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
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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

State and tribal leaking storage tank lists

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRITZ FERTILIZERS PR	ADAMS AND DERRICK AV	E 0 - 1/8 (0.007 mi.)	3	8
Database: SLIC, Date of Government Version: 09/12/2016 Facility Status: Completed - Case Closed Global Id: SL0601938901				

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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 2 CUPA Listings sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRANCO GARAGE	915 DERRICK AVE	SE 0 - 1/8 (0.006 mi.)	A1	8
Database: CUPA FRESNO, Date of Government Version: 10/11/2016 Facility Id: FA0276445				
FEDERAL CORRECTIONAL	***33500 W CALIFORNIA A***	***N 0 - 1/8 (0.011 mi.)***	***4***	***9***
Database: CUPA FRESNO, Date of Government Version: 10/11/2016 Facility Id: FA0281990				

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

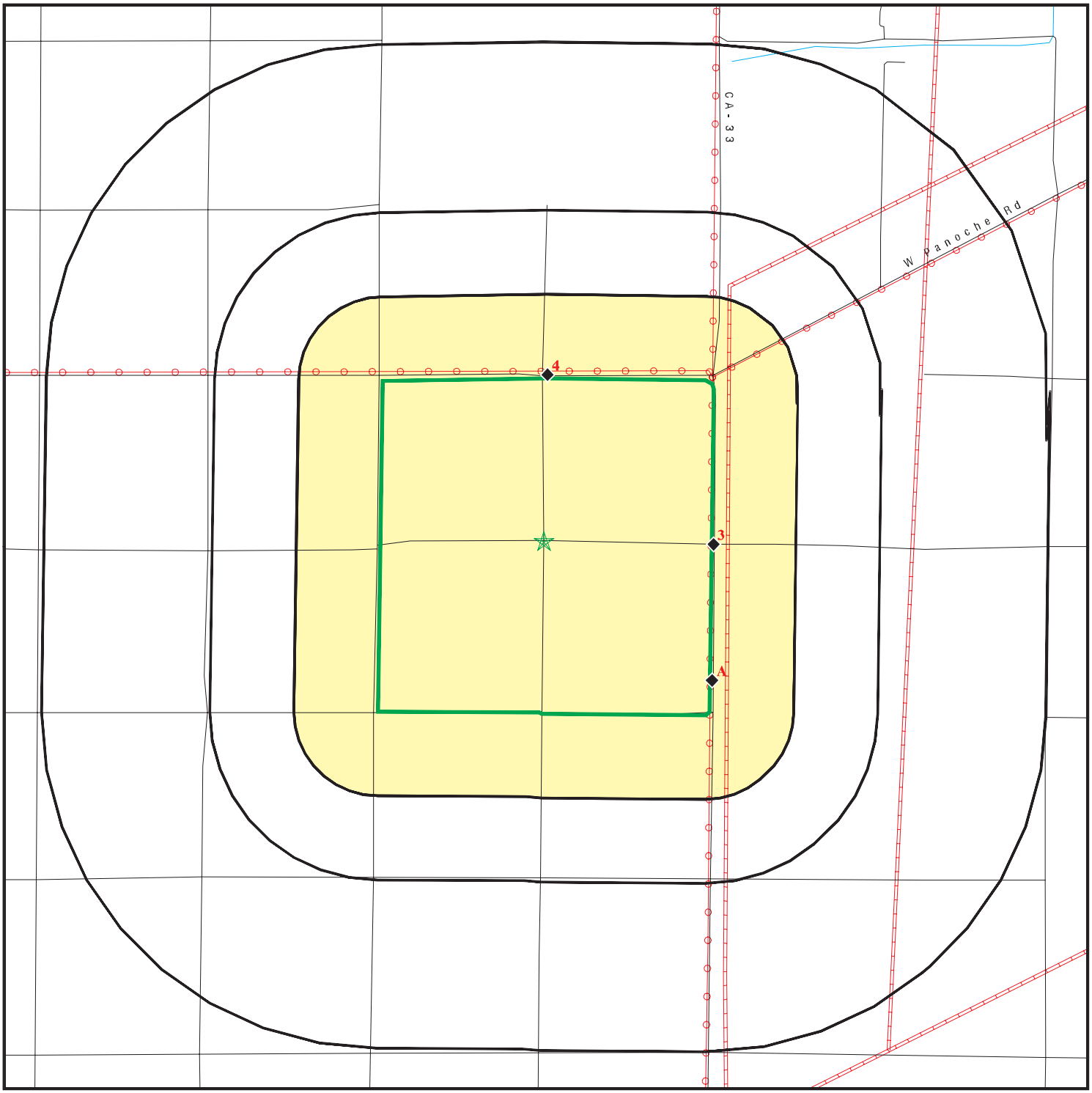
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	915 S DERRICK AVE	SE 0 - 1/8 (0.006 mi.)	A2	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
	CDL
	CDL
	CDL

OVERVIEW MAP - 4804859.2S



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 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

Areas of Concern

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

SITE NAME: Little Bear Expansion Project	CLIENT: ARCADIS U.S., Inc.
ADDRESS: SWC of W. California Avenue & S. Derrick Avenue Mendota CA 93640	CONTACT: Janet Holtz INQUIRY #: 4804859.2s
LAT/LONG: 36.712761 / 120.396368	DATE: December 13, 2016 11:05 am

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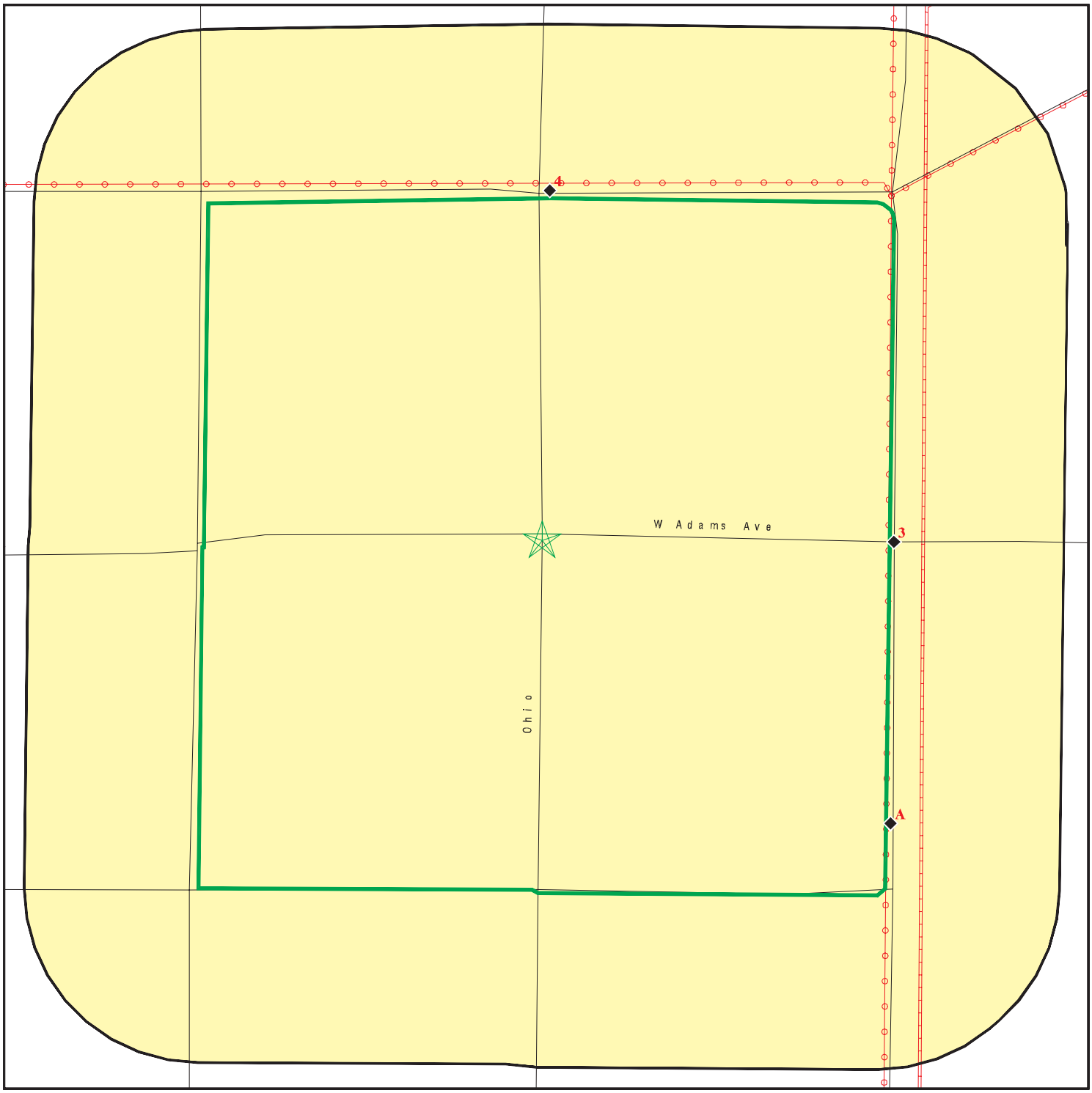
DETAIL MAP - 4804859.2S



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

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

Areas of Concern

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

SITE NAME:	Little Bear Expansion Project	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	SWC of W. California Avenue & S. Derrick Avenue Mendota CA 93640	CONTACT:	Janet Holtz
		INQUIRY #:	4804859.2s
LAT/LONG:	36.712761 / 120.396368	DATE:	December 13, 2016 11:06 am

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
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
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
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
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		1	0	0	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
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
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
State and tribal Brownfields sites								
BROWNFIELDS	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								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST 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
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	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

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	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
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
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		2	0	NR	NR	NR	2
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	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
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
ECHO	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 Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	4	0	0	0	0	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SE
< 1/8
0.006 mi.
34 ft.

FRANCO GARAGE
915 DERRICK AVE
MENDOTA, CA 93640

CUPA Listings **S105870351**
N/A

Site 1 of 2 in cluster A

Relative:
Lower

Actual:
183 ft.

CUPA FRESNO:

Facility ID:	FA0276445
Cross Street:	Not reported
APM Number:	1925003
CERS Id:	Not reported
SWIS Number:	Not reported
GIS Latitude:	36.748002363
GIS Longitude:	-120.38812022
Program Element:	HAZ MAT DISCLOSURE-BELOW REPORTING QUANTITY

Facility ID:	FA0276445
Cross Street:	Not reported
APM Number:	1925003
CERS Id:	Not reported
SWIS Number:	Not reported
GIS Latitude:	36.748002363
GIS Longitude:	-120.38812022
Program Element:	HAZARDOUS WASTE GENERATOR (CESQG)

A2
SE
< 1/8
0.006 mi.
34 ft.

915 S DERRICK AVE
MENDOTA, CA 93640

EDR Hist Auto **1015673654**
N/A

Site 2 of 2 in cluster A

Relative:
Lower

Actual:
183 ft.

EDR Historical Auto Stations:

Name:	TWIN AUTO REPAIR & PARTS
Year:	2008
Address:	915 S DERRICK AVE

Name:	TWINS AUTO REPAIR & PARTS
Year:	2010
Address:	915 S DERRICK AVE

Name:	TWINS AUTO REPAIR & PARTS
Year:	2011
Address:	915 S DERRICK AVE

Name:	TWINS AUTO REPAIR & PARTS
Year:	2012
Address:	915 S DERRICK AVE

3
East
< 1/8
0.007 mi.
35 ft.

BRITZ FERTILIZERS PROPERTY (APN 028-10-37)
ADAMS AND DERRICK AVE.
FRESNO COUNTY, CA

SLIC **S106483526**
N/A

Relative:
Lower

Actual:
182 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/17/2003

BRITZ FERTILIZERS PROPERTY (APN 028-10-37) (Continued) **S106483526**

Global Id:	SL0601938901
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5F)
Lead Agency Case Number:	Not reported
Latitude:	36.6323
Longitude:	-120.3888
Case Type:	Cleanup Program Site
Case Worker:	JA
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

4
North
< 1/8
0.011 mi.
60 ft.

FEDERAL CORRECTIONAL INST-MENDOTA **CUPA Listings** **S110816135**
33500 W CALIFORNIA AVE **HAZNET** **N/A**
MENDOTA, CA 93640

Relative:
Lower

Actual:
188 ft.

CUPA FRESNO:

Facility ID:	FA0281990
Cross Street:	Not reported
APM Number:	01905050ST
CERS Id:	10696459
SWIS Number:	Not reported
GIS Latitude:	36.720702164
GIS Longitude:	-120.40110445
Program Element:	MEDIUM HAZARDOUS MATERIALS HANDLER

Facility ID:	FA0281990
Cross Street:	Not reported
APM Number:	01905050ST
CERS Id:	10696459
SWIS Number:	Not reported
GIS Latitude:	36.720702164
GIS Longitude:	-120.40110445
Program Element:	HAZARDOUS WASTE GENERATOR (CESQG)

Facility ID:	FA0281990
Cross Street:	Not reported
APM Number:	01905050ST
CERS Id:	10696459
SWIS Number:	Not reported
GIS Latitude:	36.720702164
GIS Longitude:	-120.40110445
Program Element:	AST STORAGE CAPACITY 10,000 TO 99,999 GAL

Facility ID:	FA0281990
Cross Street:	Not reported
APM Number:	01905050ST
CERS Id:	10696459
SWIS Number:	Not reported
GIS Latitude:	36.720702164
GIS Longitude:	-120.40110445
Program Element:	WASTE TIRE FACILITY

FEDERAL CORRECTIONAL INST-MENDOTA (Continued) **S110816135**

HAZNET:

envid:	S110816135
Year:	2014
GEPAID:	CAL000361171
Contact:	JOSEPH DIAS
Telephone:	5592744291
Mailing Name:	Not reported
Mailing Address:	33500 W CALIFORNIA AVE
Mailing City,St,Zip:	MENDOTA, CA 936409703
Gen County:	Fresno
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
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

envid:	S110816135
Year:	2014
GEPAID:	CAL000361171
Contact:	JOSEPH DIAS
Telephone:	5592744291
Mailing Name:	Not reported
Mailing Address:	33500 W CALIFORNIA AVE
Mailing City,St,Zip:	MENDOTA, CA 936409703
Gen County:	Fresno
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06
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

envid:	S110816135
Year:	2014
GEPAID:	CAL000361171
Contact:	JOSEPH DIAS
Telephone:	5592744291
Mailing Name:	Not reported
Mailing Address:	33500 W CALIFORNIA AVE
Mailing City,St,Zip:	MENDOTA, CA 936409703
Gen County:	Fresno
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0135
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel

FEDERAL CORRECTIONAL INST-MENDOTA (Continued) **S110816135**

Facility County:	Fresno

envid:	S110816135
Year:	2013
GEPAID:	CAL000361171
Contact:	JOSEPH DIAS
Telephone:	5592744291
Mailing Name:	Not reported
Mailing Address:	33500 W CALIFORNIA AVE
Mailing City,St,Zip:	MENDOTA, CA 936409703
Gen County:	Fresno
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Not reported

envid:	S110816135
Year:	2013
GEPAID:	CAL000361171
Contact:	JOSEPH DIAS
Telephone:	5592744291
Mailing Name:	Not reported
Mailing Address:	33500 W CALIFORNIA AVE
Mailing City,St,Zip:	MENDOTA, CA 936409703
Gen County:	Fresno
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Not reported

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

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FRESNO COUNTY	S107538474		FAIRFAX AVE & CALIFORNIA AQUED		CDL
FRESNO COUNTY	S107526627		1/4 MI S OF ADAMS ON HIGHLAND		CDL
TRANQUILITY	S107539683		ON ADAMS AVE (NORTH SIDE), WES	93668	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	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: 09/14/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2016	Telephone: 703-603-8704
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/04/2016
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/30/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/20/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/18/2016
Next Scheduled EDR Contact: 02/27/2017
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: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
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: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
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: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/09/2017
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: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
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 inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/15/2016
Date Data Arrived at EDR: 08/16/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 50

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/15/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
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
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
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
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
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
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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
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: 303-312-6271
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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
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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 10/27/2015
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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

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: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

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

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 12/26/2016
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
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
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
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.

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: 10/11/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
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: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 01/09/2017
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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
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: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds 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: 02/29/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
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: 09/20/2016
Date Data Arrived at EDR: 09/21/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 51

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/21/2016
Next Scheduled EDR Contact: 01/02/2017
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: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
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: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 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: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/04/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 10/10/2016
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: 08/01/2016
Date Data Arrived at EDR: 08/02/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 02/13/2017
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: 12/31/2015
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Varies

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: 08/30/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
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: 09/22/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 10/20/2016
Number of Days to Update: 23

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
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.

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: 08/25/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
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: 06/27/2016
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 87

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/27/2016
Next Scheduled EDR Contact: 01/09/2017
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: 06/03/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/26/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/13/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/01/2016
Next Scheduled EDR Contact: 12/26/2016
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
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: 12/08/2016
Next Scheduled EDR Contact: 03/20/2017
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
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
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 11/28/2016
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: 07/12/2016
Date Data Arrived at EDR: 08/17/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 02/27/2017
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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
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
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
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
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: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
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
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: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

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: 08/01/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 11/18/2016
Next Scheduled EDR Contact: 02/06/2017
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
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: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Annually

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

Date of Government Version: 07/27/2016
Date Data Arrived at EDR: 08/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/11/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Quarterly

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: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
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: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
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: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
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: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
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: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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.

Date of Government Version: 10/03/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
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 Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
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: 03/31/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
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: 11/23/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
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: 07/21/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
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
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: 09/09/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/07/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 148

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/20/2016
Next Scheduled EDR Contact: 01/16/2017
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
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.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
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: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/01/2016
Next Scheduled EDR Contact: 03/13/2017
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: 12/12/2016
Next Scheduled EDR Contact: 03/13/2017
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: 12/02/2016
Next Scheduled EDR Contact: 03/13/2017
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: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 12/05/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 09/26/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 52

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/27/2016
Next Scheduled EDR Contact: 01/09/2017
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: 06/02/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
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: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
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: 08/22/2016
Date Data Arrived at EDR: 08/24/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 11/24/2016
Next Scheduled EDR Contact: 02/06/2017
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: 08/10/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 51

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
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
Date Data Arrived at EDR: 10/14/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 58

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/12/2016
Next Scheduled EDR Contact: 01/23/2017
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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
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: 07/11/2016
Date Data Arrived at EDR: 07/13/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/12/2016
Next Scheduled EDR Contact: 01/23/2017
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: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
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: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/15/2016
Next Scheduled EDR Contact: 02/27/2017
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: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
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
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
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: 07/06/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
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: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 59

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 43

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
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: 09/18/2016
Date Data Arrived at EDR: 09/20/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/20/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
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.

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

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: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
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: 08/22/2016
Date Data Arrived at EDR: 08/24/2016
Date Made Active in Reports: 10/10/2016
Number of Days to Update: 47

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 11/01/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
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: 10/11/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 10/24/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
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: 12/02/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/04/2016
Date Data Arrived at EDR: 08/08/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 71

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
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: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 26

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 09/08/2016
Date Data Arrived at EDR: 09/09/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 35

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
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: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/05/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2016
Date Data Arrived at EDR: 07/19/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/18/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

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

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

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: 10/17/2016
Next Scheduled EDR Contact: 01/30/2017
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: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/23/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/07/2016
Next Scheduled EDR Contact: 01/23/2017
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: 08/18/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 32

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 04/07/2016
Date Data Arrived at EDR: 04/26/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 36

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 32

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 08/29/2016
Date Data Arrived at EDR: 08/31/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
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: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
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: 12/09/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 07/25/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 51

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 53

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/09/2016
Date Made Active in Reports: 10/11/2016
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
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: 06/13/2016
Date Data Arrived at EDR: 07/18/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/13/2016
Date Data Arrived at EDR: 07/18/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 21

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
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: 08/22/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 45

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/04/2016
Next Scheduled EDR Contact: 01/16/2017
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: 05/02/2016
Date Data Arrived at EDR: 07/06/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 43

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/04/2016
Next Scheduled EDR Contact: 01/16/2017
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: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/19/2016
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
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: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
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: 12/02/2016
Next Scheduled EDR Contact: 02/06/2017
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: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite 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: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
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: 11/16/2016
Next Scheduled EDR Contact: 02/20/2017
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: 09/21/2016
Date Data Arrived at EDR: 09/22/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 26

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/18/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 43

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
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: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

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

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
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: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 43

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
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: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/08/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 60

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 43

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/15/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 29

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
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: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 09/27/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 55

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
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: 07/01/2016
Date Data Arrived at EDR: 07/05/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 44

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 12/02/2016
Number of Days to Update: 87

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 08/12/2016
Date Data Arrived at EDR: 08/16/2016
Date Made Active in Reports: 10/04/2016
Number of Days to Update: 49

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
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: 06/28/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/14/2016
Next Scheduled EDR Contact: 02/27/2017
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: 06/28/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 10/07/2016
Number of Days to Update: 67

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
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: 08/29/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/11/2016
Number of Days to Update: 27

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 08/24/2016
Date Made Active in Reports: 10/11/2016
Number of Days to Update: 48

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 11/14/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/05/2016
Date Made Active in Reports: 10/05/2016
Number of Days to Update: 61

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
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: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 08/31/2016
Date Made Active in Reports: 12/12/2016
Number of Days to Update: 103

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/12/2016
Next Scheduled EDR Contact: 01/23/2017
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: 08/01/2016
Date Data Arrived at EDR: 08/03/2016
Date Made Active in Reports: 09/09/2016
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/30/2017
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: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/12/2016
Next Scheduled EDR Contact: 03/27/2017
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
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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LITTLE BEAR EXPANSION PROJECT
SWC OF W. CALIFORNIA AVENUE & S. DERRICK AVENUE
MENDOTA, CA 93640

TARGET PROPERTY COORDINATES

Latitude (North):	36.712761 - 36˚ 42' 45.94''
Longitude (West):	120.396368 - 120˚ 23' 46.92''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	732558.1
UTM Y (Meters):	4065966.5
Elevation:	189 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5602474 COIT RANCH, CA
Version Date:	2012
East Map:	5602938 TRANQUILLITY, 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).

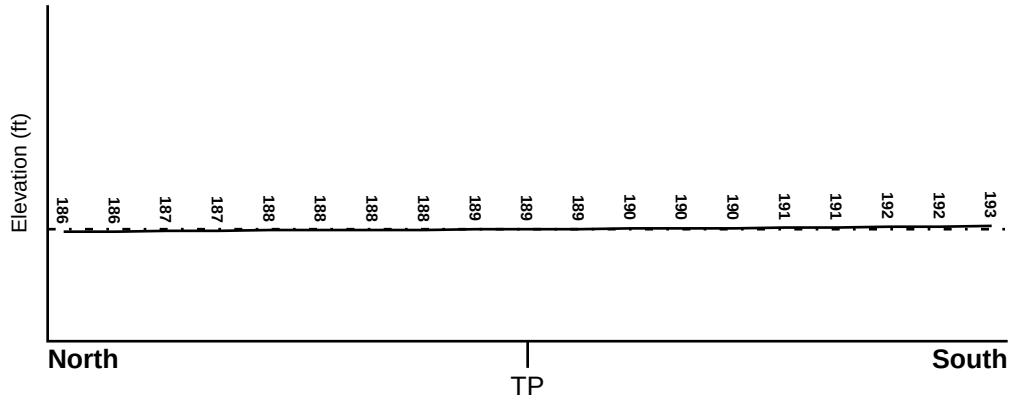
TOPOGRAPHIC INFORMATION

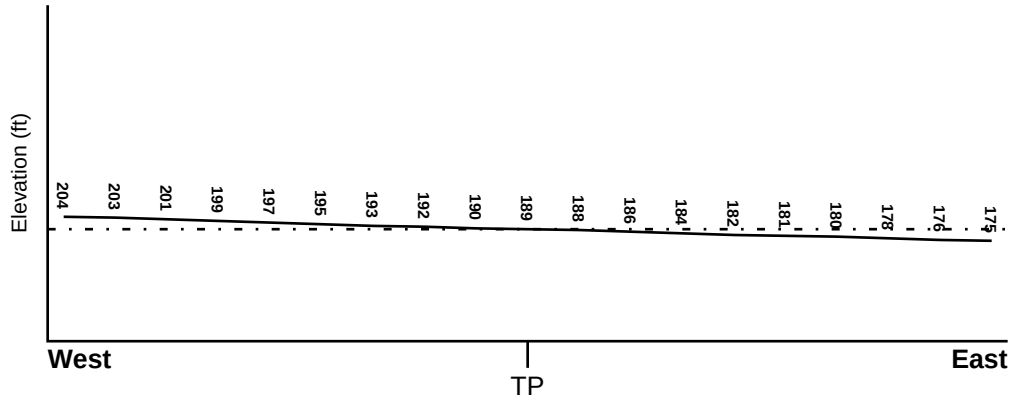
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 189 ft.

0 1/2 1 Miles

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

Flood Plain Panel at Target Property	FEMA Source Type
06019C1985H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06019C1982H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
COIT RANCH	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

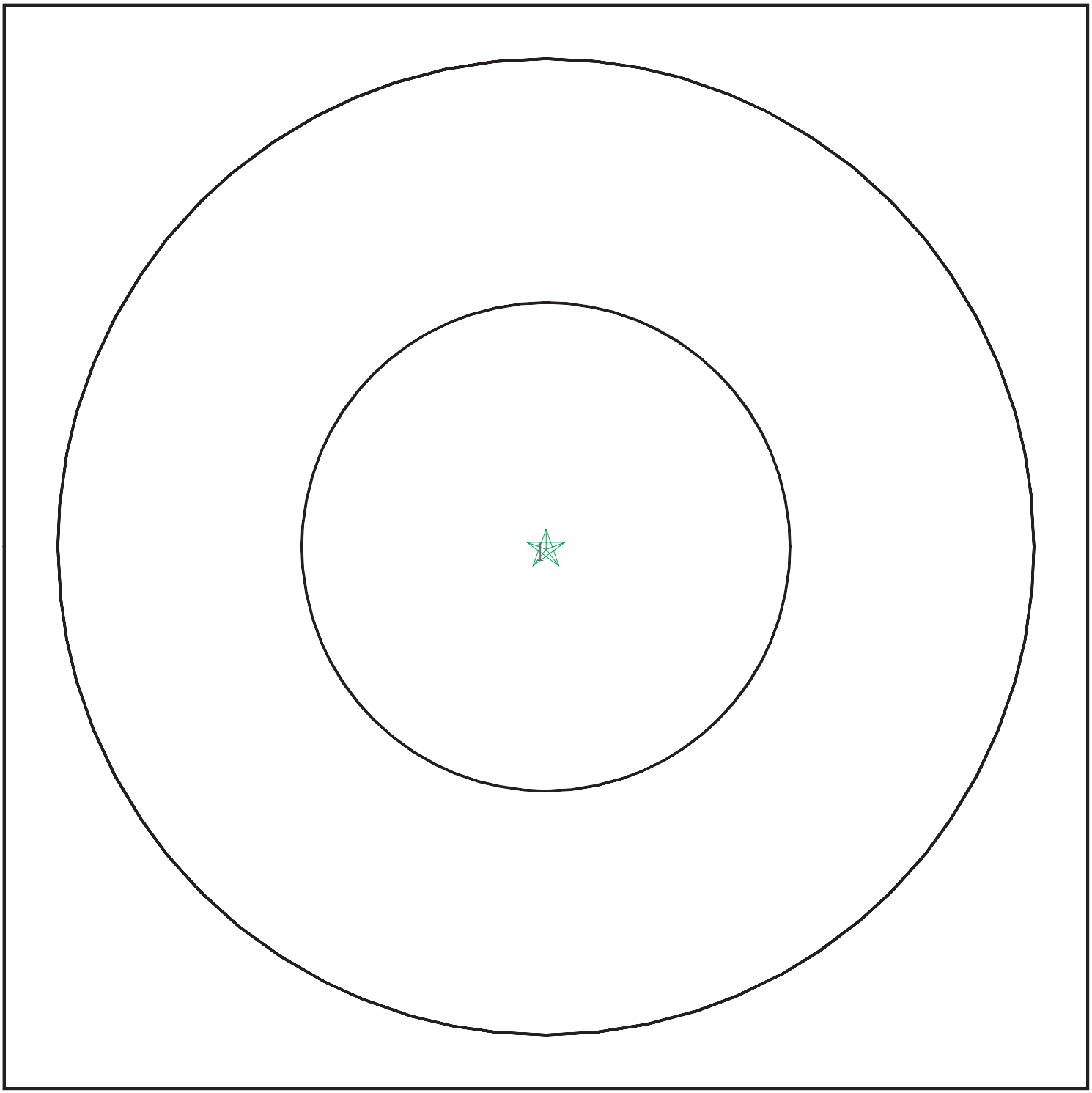
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 4804859.2s



Target Property

SSURGO Soil

Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Little Bear Expansion Project	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	SWC of W. California Avenue & S. Derrick Avenue Mendota CA 93640	CONTACT:	Janet Holtz
		INQUIRY #:	4804859.2s
LAT/LONG:	36.712761 / 120.396368	DATE:	December 13, 2016 11:06 am

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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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	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

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

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000176791	1/4 - 1/2 Mile WNW
A3	USGS40000176792	1/4 - 1/2 Mile WNW
A4	USGS40000176793	1/4 - 1/2 Mile WNW
5	USGS40000176785	1/2 - 1 Mile WNW
C8	USGS40000176851	1/2 - 1 Mile North
D10	USGS40000176790	1/2 - 1 Mile ENE
E16	USGS40000176852	1/2 - 1 Mile NNW
F18	USGS40000176696	1/2 - 1 Mile SW
F20	USGS40000176682	1/2 - 1 Mile SW
G21	USGS40000176692	1/2 - 1 Mile SE
G23	USGS40000176681	1/2 - 1 Mile SE
H24	USGS40000176670	1/2 - 1 Mile SW
I25	USGS40000176873	1/2 - 1 Mile NW
27	USGS40000176786	1/2 - 1 Mile WNW
J29	USGS40000176776	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

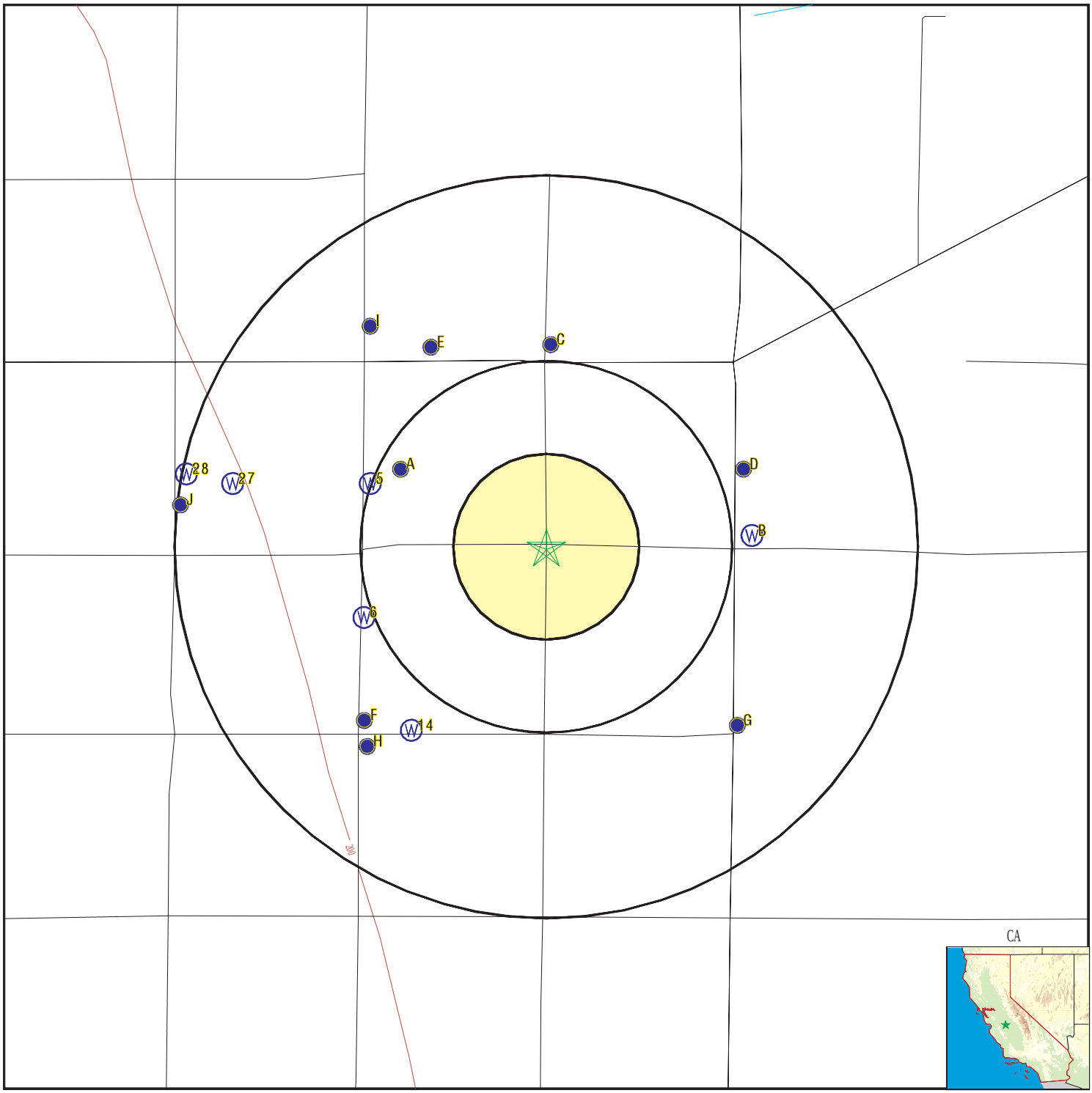
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADW60000007415	1/4 - 1/2 Mile WNW
6	CADW60000029274	1/2 - 1 Mile WSW
B7	CADW60000025567	1/2 - 1 Mile East
C9	CADW60000024573	1/2 - 1 Mile North
D11	CADW60000025565	1/2 - 1 Mile ENE
D12	CADW60000025566	1/2 - 1 Mile ENE
B13	CADW60000025564	1/2 - 1 Mile East
14	CADW60000007416	1/2 - 1 Mile SW
E15	CADW60000024572	1/2 - 1 Mile NNW
F17	CADW60000029275	1/2 - 1 Mile SW
G19	CADW60000025568	1/2 - 1 Mile SE
H22	CADW60000029292	1/2 - 1 Mile SW
I26	CADW60000006668	1/2 - 1 Mile NW
28	CADW60000029276	1/2 - 1 Mile WNW
J30	CADW60000007417	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 4804859.2s



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

0 1/4 1/2 1 Miles

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

N

SITE NAME:	Little Bear Expansion Project	CLIENT:	ARCADIS U.S., Inc.
ADDRESS:	SWC of W. California Avenue & S. Derrick Avenue Mendota CA 93640	CONTACT:	Janet Holtz
		INQUIRY #:	4804859.2s
LAT/LONG:	36.712761 / 120.396368	DATE:	December 13, 2016 11:06 am

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **WNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADW60000007415**

Objectid:	7415
Latitude:	36.7158
Longitude:	-120.4032
Site code:	367158N1204032W001
State well numbe:	14S14E13E003M
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:	CADW60000007415

A2 **WNW** **1/4 - 1/2 Mile** **Higher**		**FED USGS**	**USGS40000176791**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240901		
Monloc name:	014S014E13E002M		
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:	36.7157836
Longitude:	-120.403501	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:	191.00
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:	19620228	Welldepth:	10
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A3 **WNW** **1/4 - 1/2 Mile** **Higher**		**FED USGS**	**USGS40000176792**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240902		
Monloc name:	014S014E13E003M		
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:	36.7157836
Longitude:	-120.403501	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:	191.00
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:	19630529	Welldepth:	499
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-05-01	175.00	

A4
WNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000176793**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120240903		
Monloc name:	014S014E13E004M		
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:	36.7157836
Longitude:	-120.403501	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:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
WNW **FED USGS** **USGS40000176785**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364255120241401		
Monloc name:	014S014E13E001M		
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:	36.7152281
Longitude:	-120.4048899	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:	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
1966-08-01	6.00	

6
WSW **CA WELLS** **CADW60000029274**
1/2 - 1 Mile
Higher

Objectid:	29274
Latitude:	36.71
Longitude:	-120.4052
Site code:	367100N1204052W001
State well numbe:	14S14E13M001M
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:	CADW60000029274

B7
East
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025567**

Objectid:	25567
Latitude:	36.7131
Longitude:	-120.3868
Site code:	367131N1203868W001
State well numbe:	14S15E18M001M
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:	CADW60000025567

C8
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000176851**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364314120234201		
Monloc name:	014S014E12Q001M		
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:	36.7205058
Longitude:	-120.396001	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:	185.00
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:	244
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-12-01	77.00	

C9
North
1/2 - 1 Mile
Lower

CA WELLS **CADW60000024573**

Objectid:	24573
Latitude:	36.7208
Longitude:	-120.3963
Site code:	367208N1203963W001
State well numbe:	14S14E12Q001M
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:	CADW60000024573

D10
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176790**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364257120230901		
Monloc name:	014S015E18E002M		
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:	36.7157835
Longitude:	-120.3868338	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:	178.00
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:	890
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1965-02-01	233.00	

D11
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025565**

Objectid:	25565
Latitude:	36.7158
Longitude:	-120.3868
Site code:	367158N1203868W001
State well numbe:	14S15E18E002M
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:	CADW60000025565

D12
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025566**

Objectid:	25566
Latitude:	36.7158
Longitude:	-120.3868
Site code:	367158N1203868W002
State well numbe:	14S15E18E003M
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:	CADW60000025566

B13
East
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025564**

Objectid:	25564
Latitude:	36.7133
Longitude:	-120.386
Site code:	367133N1203860W001
State well numbe:	14S15E18E001M
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:	CADW60000025564

14
SW **CA WELLS** **CADW60000007416**
1/2 - 1 Mile
Higher

Objectid:	7416
Latitude:	36.7056
Longitude:	-120.4029
Site code:	367056N1204029W001
State well numbe:	14S14E13N003M
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:	CADW60000007416

E15
NNW **CA WELLS** **CADW60000024572**
1/2 - 1 Mile
Higher

Objectid:	24572
Latitude:	36.7206
Longitude:	-120.4018
Site code:	367206N1204018W001
State well numbe:	14S14E12N002M
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:	CADW60000024572

E16
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176852**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364314120240401		
Monloc name:	014S014E12N002M		
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:	36.7205058
Longitude:	-120.4021123	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:	Alluvium Below E-Clay (Miocene-Pleistocene)		
Aquifer type:	Not Reported		
Construction date:	19500822	Welldepth:	920
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-11-01	98.00	

F17
SW
1/2 - 1 Mile
Higher

CA WELLS **CADW60000029275**

Objectid:	29275
Latitude:	36.7064
Longitude:	-120.4052
Site code:	367064N1204052W001
State well numbe:	14S14E13N001M
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:	CADW60000029275

F18
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176696**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364222120241501		
Monloc name:	014S014E13N001M		
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:	36.7060614
Longitude:	-120.4051674	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:	196.00
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
1950-12-01	72.00	

G19
SE
1/2 - 1 Mile
Lower

CA WELLS **CADW60000025568**

Objectid:	25568
Latitude:	36.7061
Longitude:	-120.3871
Site code:	367061N1203871W001
State well numbe:	14S15E18N001M
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:	CADW60000025568

F20
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176682**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364220120241501		
Monloc name:	014S014E13N002M		
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:	36.7055058
Longitude:	-120.4051674	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:	196.00
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: 0

G21
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176692**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364221120231001		
Monloc name:	014S015E18N001M		
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:	36.7057835
Longitude:	-120.3871112	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:	182.00
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:	19670101	Welldepth:	945
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1968-12-01	222.00	

H22
SW
1/2 - 1 Mile
Higher

CA WELLS **CADW60000029292**

Objectid:	29292
Latitude:	36.705
Longitude:	-120.4049
Site code:	367050N1204049W001
State well numbe:	14S14E24D001M
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:	CADW60000029292

G23
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000176681**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364220120231001		
Monloc name:	014S015E18N002M		
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:	36.7055058
Longitude:	-120.3871112	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:	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:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	15.9
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

H24
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176670**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364218120241501		
Monloc name:	014S014E24D001M		
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:	36.7049503
Longitude:	-120.4051673	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:	196.00
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:	19600327	Welldepth:	1054
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	305.00	

I25
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176873**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364317120241401		
Monloc name:	014S014E12N001M		
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:	36.7213391
Longitude:	-120.4048902	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:	191.00
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:	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
1960-05-01	247.00	

I26
NW
1/2 - 1 Mile
Higher

CA WELLS **CADW60000006668**

Objectid:	6668
Latitude:	36.7214
Longitude:	-120.4049
Site code:	367214N1204049W001
State well numbe:	14S14E12N001M
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:	CADW60000006668

27
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000176786**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364255120243801		
Monloc name:	014S014E14G001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18040001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	36.7152281
Longitude:	-120.4115568	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:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19471110	Welldepth:	1007
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

28
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADW60000029276**

Objectid:	29276
Latitude:	36.7156
Longitude:	-120.4138
Site code:	367156N1204138W001
State well numbe:	14S14E14G002M
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:	CADW60000029276

J29
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000176776**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-364252120244701		
Monloc name:	014S014E14G002M		
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:	36.7143948
Longitude:	-120.4140569	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:	201.00
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
1965-12-01	275.00	

J30
West
1/2 - 1 Mile
Higher

CA WELLS **CADW60000007417**

Objectid:	7417
Latitude:	36.7144
Longitude:	-120.4141
Site code:	367144N1204141W001
State well numbe:	14S14E14G003M
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:	CADW60000007417

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.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

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APPENDIX F

Additional Documentation

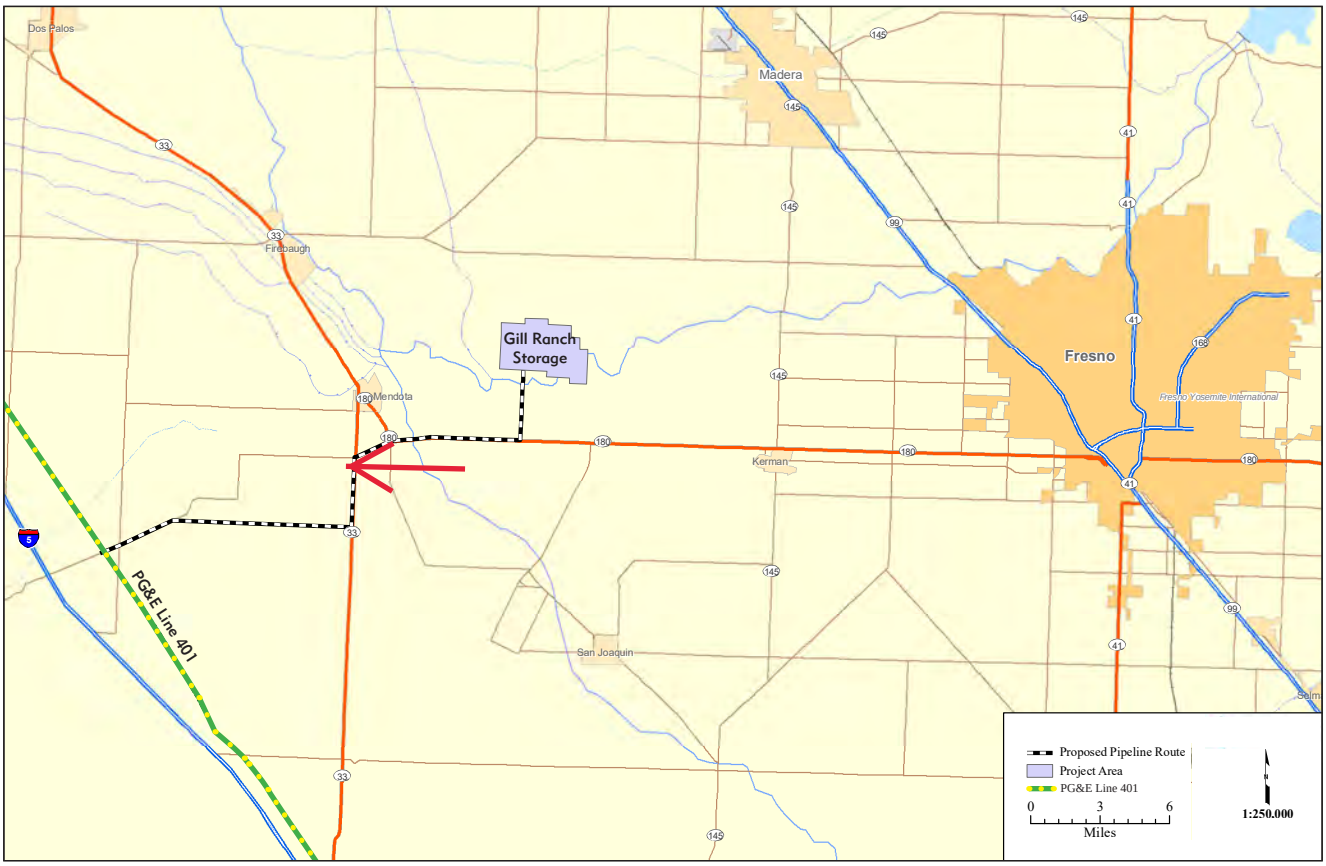
GILL RANCH STORAGE

Gill Ranch Storage and PG&E Pipeline System

(Continues on back)

GILL RANCH STORAGE

Gill Ranch Gas Storage Pipeline Project



Data Source: ESRI Data & Maps: StreetMap USA. 2001-2006.

Note: The information herein was compiled from multiple sources, is considered reliable and the most current available; it is, however, provided without warranty, either express or implied. No liability is assumed either directly or indirectly.

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Appendix I6

Phase I ESA Update for the Proposed Little Bear 1 and 4 Solar Project (Section 14) (June 2017)

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Lien Dinh
Senior Manager, Real Estate
First Solar Development, LLC
135 Main Street, 6th Floor
San Francisco, CA 94103

ENVIRONMENTAL DUE DILIGENCE

Subject: Phase I ESA Update for the Proposed Little Bear 1 and 4 Solar Project (Section 14) located near Mendota, California

Date:
June 5, 2017

Contact:
Janet Holtz

Phone:
714.508-2618

Email:
janet.holtz@arcadis.com

Project Number:
CO002047.0030

Dear Ms. Dinh:

Arcadis-US, Inc. (Arcadis) is pleased to submit this letter report to update two Phase I Environmental Site Assessment (ESA) reports completed for the above-referenced property (the "Site", as depicted in **Figures 1 and 2**). This report has been prepared for the sole use of First Solar Development, LLC (First Solar) and the contents thereof may not be used or relied upon by any other party without the express written consent and authorization of Arcadis. Use of this report by any other party shall be at such party's sole risk and liability.

Arcadis previously prepared a report entitled *Phase I Environmental Site Assessment, Little Bear 1 and 2 Solar Project, Fresno County, California* dated July 31, 2015 and a report entitled *Phase I Environmental Site Assessment, Little Bear 3 and 4 Solar Project, Fresno County, California* dated October 26, 2015 for the Site. These reports are referred to as the "original reports." This update report covers the approximate 640 acres of land covered in both original Phase I ESA reports and the combined Site is currently referred to as Little Bear 1 and 4. In order to update the original reports in accordance with ASTM guidelines, Arcadis conducted a site reconnaissance, reviewed a new EDR regulatory records database report, and reviewed agency information from the date of the original reports to the present, if applicable. Our findings are presented below.

Background

Although no recognized environmental conditions (RECs) were identified at the Little Bear properties in the original reports, it was determined that a limited Phase II ESA was appropriate for the four parcels due to their use as agricultural land and the

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likelihood that fertilizers, pesticides, and/or herbicides had been previously applied to the land to aid farming practices. Arcadis submitted the results of this investigation in a report entitled *Little Bear 1-4, Limited Phase II Environmental Site Assessment* dated November 4, 2015. Arcadis and First Solar developed a scope of work to collect shallow soil samples at the Little Bear properties using a hand augering collection method. Six soil samples were collected in each quadrant at random depths ranging from 0.5- to 3-feet below ground surface (bgs). Additional soil samples were also collected at portions of the Little Bear properties that were obviously depressed and collection points for ground surface runoff. The soil samples collected were analyzed for:

- California Code of Regulations Title 22 California Assessment Manual 17 (CAM 17) metals by United States Environmental Protection Agency (USEPA) Method 6010B/7471A,
- Organochlorine Pesticides (OCPs) by USEPA Method 8081A,
- Organophosphorous Pesticides (OPPs) by USEPA Method 8141A, and
- Herbicides by USEPA Method 8151A.

Laboratory analytical results were tabulated, reviewed, and compared with the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) Table K-3 Direct Exposure Screening Levels, Construction /Trench Worker Exposure Scenario (RWQCB, December 2013).

The results of the testing indicated arsenic was the only analyte that exceeded its respective ESL in a construction/trench worker scenario. Therefore, the detected concentrations of arsenic were evaluated by an Arcadis Principal Toxicologist, who provided the following information:

"Although arsenic concentrations in soil were detected above the CalEPA (2013) San Francisco Bay Regional Water Quality Control Board direct contact with soil construction/trench worker environmental screening level (ESL) of 10.3 mg/kg at five locations, the 95 upper confidence limit (95UCL) of the mean concentration is below the ESL.

Area-wide summary statistics and an exposure point concentration (EPC) were generated for arsenic in soil. Statistics were generated using USEPA ProUCL (ver. 5.0.00) software. Area-wide summary statistics and the software recommended 95UCL, i.e., EPC, are presented in the attached table for arsenic in soil. For arsenic in soil between 0.5 and 3 feet bgs the summary statistics provided include: sample size; number of detects; minimum, maximum, mean, and median concentrations; the recommended UCL method (95% Student's-t UCL),

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and the recommended UCL (9.8 mg/kg). The arsenic soil dataset used in the statistics is included in Table 1.

The EPC was used as the representative arsenic concentration in soil that could potentially be contacted by a future onsite energy utility worker where the entire site is considered an exposure area. USEPA (1989) defines the EPC as "the arithmetic average of the concentration that is contacted over the exposure period." To assure that the estimate of the arithmetic average would not be underestimated, the 95UCL was used as an estimate of the EPC (USEPA 1989; DTSC 1992). A minimum of eight samples with a least four detected concentrations were required to calculate a 95UCL. Based on soil data collected between 0.5 and 3 feet bgs, there were 24 samples collected with 24 arsenic concentrations detected above the laboratory reporting limit.

The arsenic soil EPC of 9.8 mg/kg is below the CalEPA construction/trench worker ESL of 10.3 mg/kg. Thus, evaluation of soil sampling results for Little Bear 1-4 indicates no potential health risk to future onsite energy utility workers directly exposed to arsenic in shallow soil. That is, concentrations of arsenic detected in shallow soil are not expected to pose adverse health effects to future onsite energy utility workers located in these areas."

It is also noted that the range of arsenic detected, 7.27 to 10.9 mg/kg, is below 12 mg/kg, which is considered the upper end background concentration for California soil according to Department of Toxic Substances Control publication *Determination of a Southern California Regional Background Concentration in Soil* (Chernoff, et al, January 2009). Although originally prepared for southern California, this publication is cited for soil throughout California.

Arcadis also previously identified an irrigation water well on Little Bear 3 (southwest quadrant of the Site), and at the request of First Solar, returned to the Site in 2015 to collect a water sample. Arcadis submitted the results of this investigation in a report entitled *Little Bear 3, Irrigation Well Groundwater Sampling,* dated December 29, 2015. Depth to groundwater in the well was measured at 310 feet bgs. The groundwater sample collected was analyzed for:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B,
- Semi volatile organic compounds (SVOCs) by USEPA Method 8270 SIM,
- Total petroleum hydrocarbons (TPH) by USEPA Method 8015B (M),
- California Code of Regulations Title 22 California Assessment Manual 17 (CAM 17) metals by USEPA Method 6010B/7471A,

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- OCPs and polychlorinated biphenyls (PCBs) by USEPA Method 608, and
- OPPs by USEPA Method 8141A.

The well was purged prior to collecting the groundwater sample and during the purging process, a sheen (indicative of Light Non-Aqueous Phase Liquid [LNAPL]) was identified. A bailer was introduced into the well and it was determined that approximately 1-foot of LNAPL was floating on the groundwater surface. The LNAPL was decanted into a sample bottle and analyzed for TPH-carbon chain.

Laboratory analysis of the groundwater sample did not identify VOCs, SVOCs, PCBs, OCPs, or OPPs above the laboratory detection limits. Negligible concentrations of TPH were detected; however, there are no published maximum contaminant levels (MCLs) for TPH in groundwater. Metals were not detected above MCLs. Laboratory analysis of the LNAPL sample did not detect TPH in the gasoline range. TPH was detected in the diesel range at 742,000 milligrams per kilogram (mg/kg) and in the motor oil range at 288,000 mg/kg. According to the laboratory, the LNAPL sample chromatogram resembled lubrication range hydrocarbons. The source of the LNAPL in the irrigation well was not identified. In addition, no offsite sources were identified for the LNAPL in the well through a review of the Regional Water Quality Control Board's Geotracker website. Arcadis recommended that Westlands Water District (Westlands), as owner of the Site, be notified of the findings. Since that time, Westlands has securely capped the well. However, the presence of approximately 1-foot of LNAPL floating on the groundwater, at least in this location, represents a REC for the Site.

Site Reconnaissance

Mr. Anthony Garcia, Staff Geologist, conducted an inspection of the Site on May 16, 2017 (see **Attachment B** for site photographs).

The Site consists of four square-shaped parcels of equal size (160 acres each) that are contiguous. The northwestern parcel was previously identified as Little Bear Solar 1; the northeastern parcel as Little Bear Solar 2; the southwestern parcel as Little Bear Solar 3; and southeastern parcel as Little Bear Solar 4. The Site is currently planted with crops; no buildings are located onsite. All four parcels consist of tilled soil with crops approximately 2 feet in height. Arcadis observed abandoned irrigation features throughout the Site. In addition, Arcadis observed an abandoned irrigation pump station on the west side of the Site, southern end.

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The four parcels are divided by unpaved roads running north/south and east/west. The Site is serviced by local utilities. Electric and phone lines are present along the perimeters of the Site. Pacific Gas & Electric power lines were observed in proximity to the site. Water is supplied by Westlands Water District; however, the Site is currently not irrigated.

During the site visit, Arcadis' representative looked for wells, including dry wells, irrigation wells, injection wells, monitoring wells, abandoned wells, or other wells. One inactive irrigation water well was observed on the west side of the Site, southern end. The well is capped with a lid and is soldered onto the concrete pad. No other wells were observed onsite or reported to be onsite.

In summary, no evidence of surface staining, the disposal of hazardous waste, or aboveground or underground storage tanks were observed onsite. No significant changes to the Site have occurred since our last site visits in 2015.

Review of EDR Regulatory Records Database Report

An environmental database report that was prepared by Environmental Data Resources, Inc. (EDR) was reviewed for local, state, and federal listings for the Site and properties within the site vicinity. Regulatory database lists were reviewed for cases pertaining to leaking underground storage tanks (USTs) and aboveground storage tanks (ASTs), hazardous waste sites, and abandoned sites within the specified radii of standards established by ASTM guidelines. The EDR reports reviewed for the original Phase I ESA reports did not identify any database listings for the Site or offsite properties within the ASTM search radius. In the new EDR report, the location of the Site is not listed in any of the databases searched. One offsite property is listed as follows:

- First Solar Electric at 35200 W. California Avenue is located adjacent to the north of the Site across W. California Avenue. The facility, which is a solar project, is listed in the HAZNET database for the disposal of "other organic solids" under manifest in 2015. This listing indicates the proper offsite disposal of hazardous waste and does not indicate an environmental concern for the Site.

Therefore, based on the information in the EDR report, the concern of environmental impairment or a vapor encroachment condition to the Site from offsite sources is considered low.

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See **Attachment C** for a copy of the current EDR report.

Agency Review

Records available at the agencies below were reviewed for information on the Site.

Local Agency Files

Source	Date	Information Obtained
California Regional Water Quality Control Board (RWQCB)	May 2017	Available information maintained by the RWQCB at http://geotracker.waterboards.ca.gov was reviewed for records concerning hazardous spills, USTs, and LUSTs for the Site. No records were found for the location of the Site. The Site does not have a street address.
Department of Toxic Substances Control (DTSC)	May 2017	A review of the DTSC's website (http://www.envirostor.dtsc.ca.gov/public/) did not identify any records for the location of the Site.
Fresno County Environmental Health Division (FCEHD)	May 2017	According to the FCEHD, as reported to Arcadis in 2015, there are no records on file for the Site. Arcadis submitted a new request to the FCEHD for this update report. According to Mr. Steven Rhodes, Supervising Environmental Health Specialist with the FCEHD, no records for the Site are on file since our original request in 2015.

Environmental Liens and Activity and Use Limitations

Arcadis obtained an Environmental Lien and Activity and Use Limitation report from EDR. According to the report, the Site is owned by Westlands Water District and three parcel numbers are associated with the Site. According to the report, the Site is not encumbered by an environmental lien or an activity and use limitation. See **Attachment D** for a copy of the report. Arcadis did not receive a User Questionnaire for this report; however, according to Ms. Lien Dinh with First Solar, she does not believe there have been any changes to the Site since 2015. Ms. Dinh stated that the site is leased to a farmer for growing crops.

Interview

Arcadis spoke with Mr. Israel Sanchez, Resources Engineer with Westlands Water District, the owner of the Site. Mr. Sanchez stated that the Site is currently leased to a farmer for the growing of crops, typically wheat, alfalfa or a similar type of grass crop. All farming onsite is dry land farming as there is a restrictive covenant in place that prohibits irrigation of crops. Mr. Sanchez stated that to his knowledge there are

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no environmental concerns related to the Site and there have been no substantive changes to the Site since Arcadis' original site inspections in 2015. Mr. Sanchez confirmed via a photograph that the irrigation water well previously identified on Little Bear 3 (southwest quadrant of the Site) has been capped. However, the well has not been abandoned.

Conclusions and Recommendations

Based on our site inspection and review of current regulatory records, it is Arcadis' opinion that there have been no substantial changes to the Site since issuance of the 2015 reports. However, the 2015 Phase I ESA reports were issued prior to completion of the Phase II soil and groundwater sampling. Representative shallow soil sampling across the Site did not identify contaminants of concern above regulatory action levels. In addition, the groundwater sample collected in the irrigation well did not identify contaminants of concern above regulatory action levels. However, approximately 1-foot of LNAPL in the lubrication oil range was identified floating on top of the groundwater in the well. Neither an onsite nor an offsite source of the LNAPL was identified. At Arcadis' recommendation the well has since been capped by the Site owner, and if the source of the LNAPL was unauthorized dumping, the well is now secured to prevent further dumping. However, the presence of the LNAPL represents a REC for the Site. Arcadis recommends that the Site owner be contacted to remove the floating free product from the well. Based on the current investigation, no other RECs are identified for the Site. In addition, no CRECs or HRECs are identified for the Site.

One note of caution, as stated in the original reports, is that if future development activities uncover former irrigation and drainage piping, the pipes should be inspected for Transite™ asbestos prior to removal. If the pipes contain Transite™ asbestos, they will require special handling and disposal.

Signature of Environmental Professional

The environmental assessment described herein was conducted by the undersigned employee of Arcadis. Arcadis' assessment consisted solely of the activities described in this report, and in accordance with the ASTM-13 guidelines for Phase I Environmental Site Assessment Updates signed prior to initiation of the assessment, as applicable.

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate

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inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. *

*A professional geologist's or environmental assessor's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

Sincerely,

Arcadis

Janet Holtz
Due Diligence Manager

Attachments:
A - Site Location Map and Site Plan
B - Site Photolog
C - EDR Database Report
D – EDR Environmental Lien and AUL Search
Note: due to size, the original reports are not included as an attachment to this report but can be provided upon request.

References

Arcadis. 2015. *Phase I Environmental Site Assessment, Little Bear 1 and 2 Solar Project, Fresno County, California.* July 31.

Arcadis. 2015. *Phase I Environmental Site Assessment, Little Bear 3 and 4 Solar Project, Fresno County, California.* October 26.

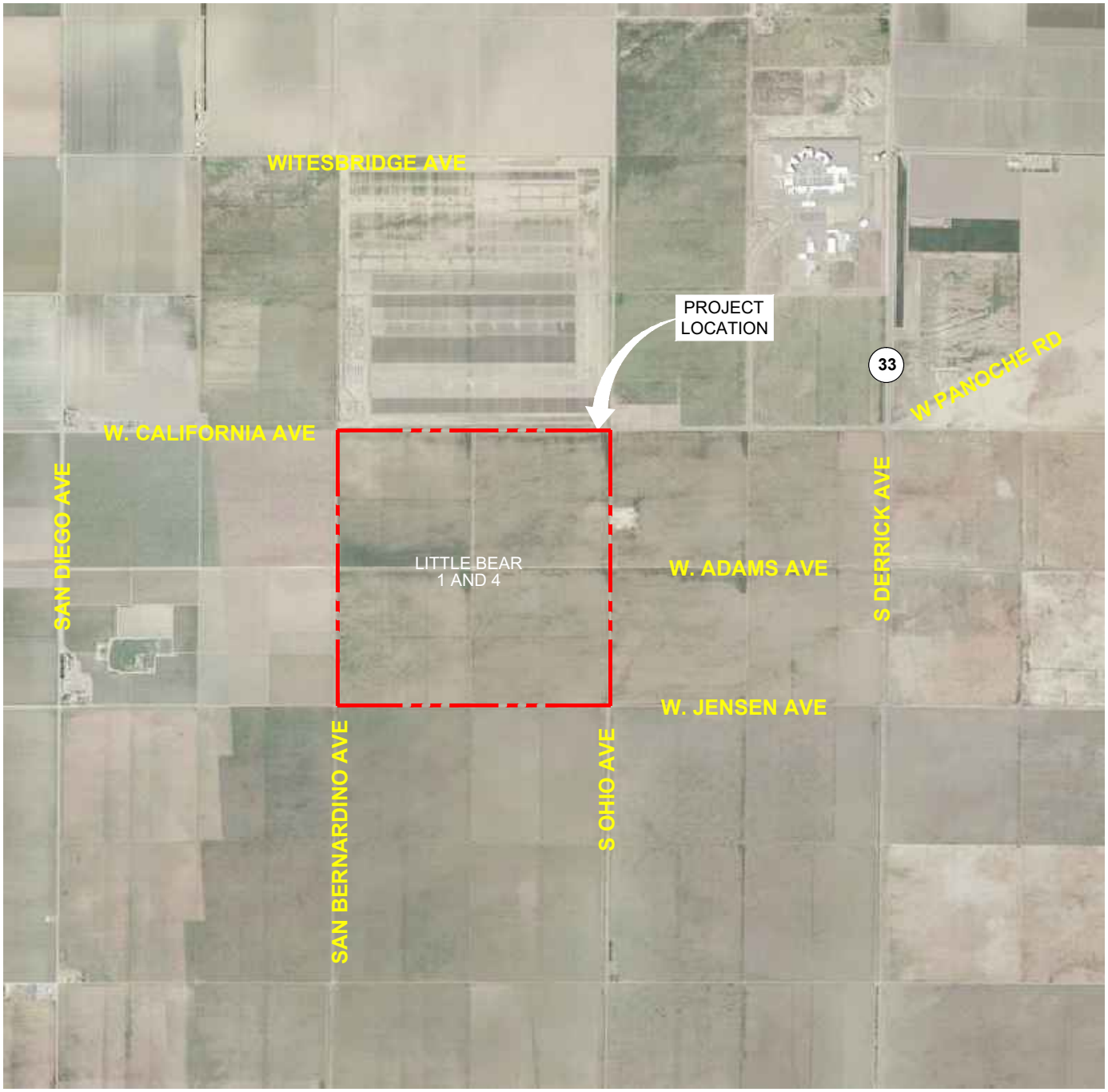
Arcadis. 2015. *Little Bear 1-4, Limited Phase II Environmental Site Assessment*. November 4.

Arcadis. 2015. *Little Bear 3, Irrigation Well Groundwater Sampling*. December 29.

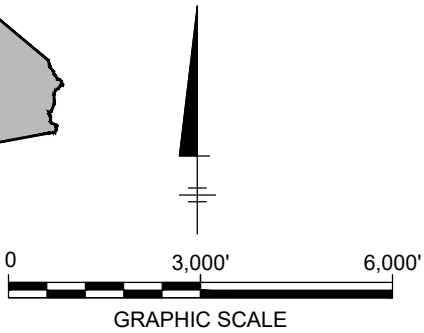
Environmental Data Resources, Inc. (EDR). 2017. Radius Map Report. Inquiry # 4933963.2s. May 11.

ARCADIS

ATTACHMENT A



MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"



FIRST SOLAR
LITTLE BEAR 1 AND 4
FRESNO COUNTY, CALIFORNIA
PHASE I ESA

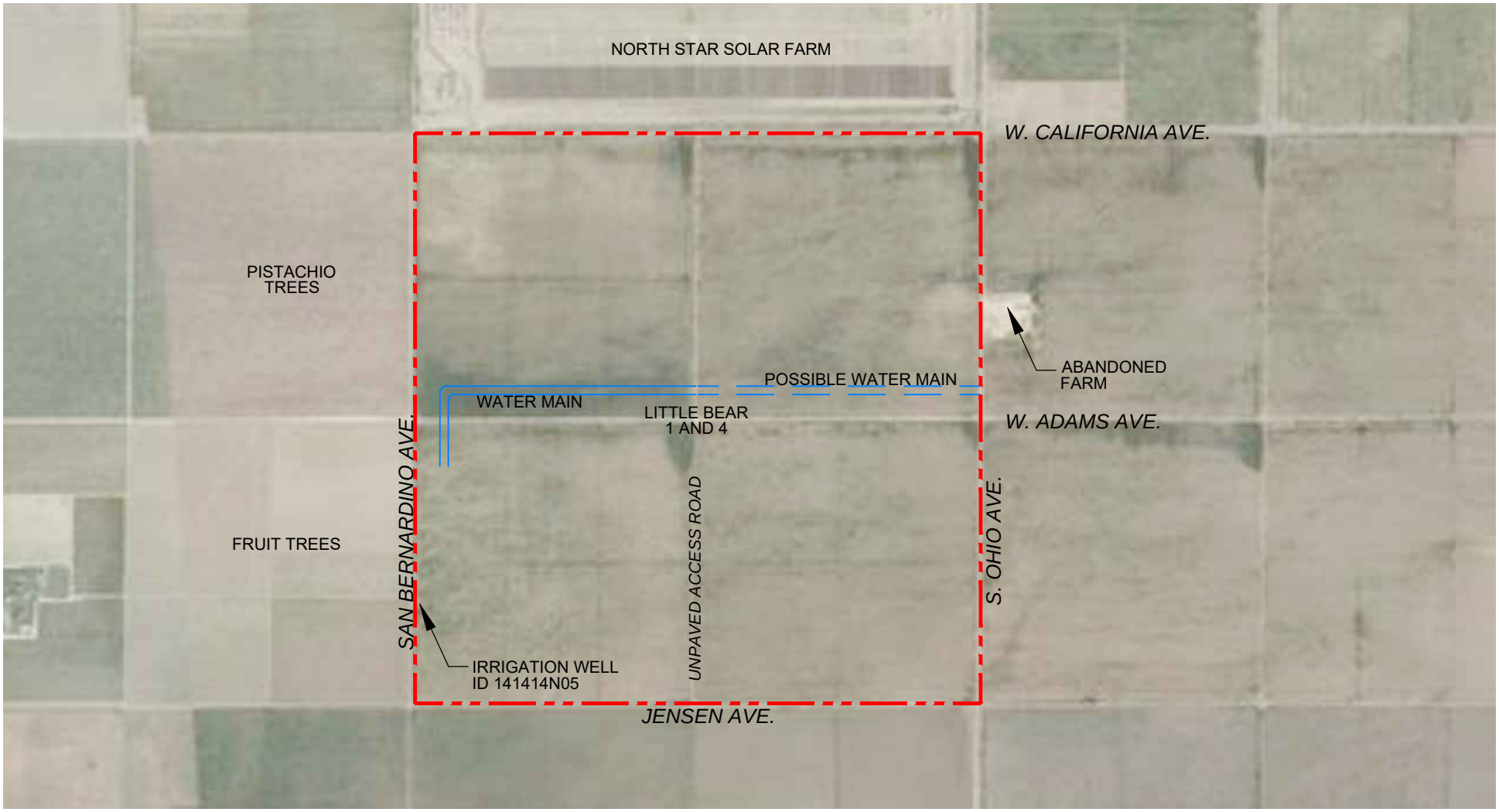
SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: IRVINE DIV/GROUP: ENVCAD DB: E. MURESAN PM: J. HOLTZ
G:\ENVCAD\Irvine\ACT\CO00204\70030\CO002047.0030 Site.dwg LAYOUT: 1 SAVED: 5/18/2017 2:14 PM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 5/18/2017 2:14 PM BY: MURESAN, ELENA

CITY:IRVINE, CA DIV/GROUP:ENVCAD DB:EM PM:JH
G:\ENVCAD\Irvine\ACT\CO002047\0030\CO002047.0030 Site.dwg LAYOUT: 2 SAVED: 5/18/2017 2:41 PM ACADVER: 19.1S (LMS TECH) PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 5/18/2017 2:42 PM BY: MURESAN, ELENA



LEGEND:

PROPERTY BOUNDARY

0 1,400 FEET

MAP SOURCE: Google Earth Pro™ 2014, 36°43'00.79", 120°25'13.65"

FIRST SOLAR
LITTLE BEAR 1 AND 4
FRESNO COUNTY, CALIFORNIA
PHASE I ESA

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

ARCADIS

ATTACHMENT B

Photograph #1

Description of Photograph:
Transmission station north of Site.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #2

Description of Photograph:
Solar panel arrays north of Site.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #3

Description of Photograph:
View of Site looking south along S. Ohio Ave. Note abandoned irrigation feature.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #4

Description of Photograph:
View of abandoned farm structures east of Site.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #5

Description of Photograph:
View of Site looking west from S. Ohio Ave. Note crops in field.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #6

Description of Photograph:
View of Site looking south from W. California Ave. Note abandoned irrigation feature.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #7

Description of Photograph:
View of N-S trending access road in center of Site.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #8

Description of Photograph:
View of southeast corner of Sitelooking northwest along S. Ohio Avenue.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #9

Description of Photograph:
View of southwest corner of Site looking northwest. Note abandoned irrigation feature and offsite pistachio trees in distance.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #10

Description of Photograph:
View of northwest corner of Site looking east along W. California Avenue.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #11

Description of Photograph:
View of Site facing east along W. Adams Ave. at SW corner of San Bernardino Ave. and W. Adams Ave.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #12

Description of Photograph:
View of south adjacent property looking south. Note abandoned irrigation feature.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #13

Description of Photograph:
View of east portion of Site looking north from W. Jensen Ave. Note crops in field.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #14

Description of Photograph:
View of property southwest of Site. Note irrigation system.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #15

Description of Photograph:
View of west end of Site looking north along San Bernardino Avenue. Pistachio trees are adjacent to the west. Note abandoned irrigation feature and concrete pile.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #16

Description of Photograph:
View of adjacent properties facing west at intersection of San Bernardino Ave. and W. Jensen Ave.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #17

Description of Photograph:
View of abandoned irrigation feature looking north from W. Jensen Ave.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #18

Description of Photograph:
View from center spot of Site facing south. Note abandoned irrigation features.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #19

Description of Photograph:
View of SW corner of Site looking east from abandoned irrigation pump station concrete pad near San Bernardino Ave.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

Photograph #20

Description of Photograph:
Abandoned irrigation pump station on west side of Site, southern end. Metallic cover soldered in place to cover irrigation well observed in concrete pad that extends into groundwater.

Site Location:
Little Bear Solar 1 & 4
Fresno County, CA

Photograph Taken By:
Anthony Garcia

Date of Photograph:
May 16, 2017

ARCADIS

ATTACHMENT C

Little Bear 1 & 4
35200 W. California Avenue
Mendota, CA 93640

Inquiry Number: 4933963.2s
May 11, 2017

The EDR Radius Map™ Report

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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	10
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

35200 W. CALIFORNIA AVENUE
MENDOTA, CA 93640

COORDINATES

Latitude (North):	36.7128310 - 36˚ 42' 46.19''
Longitude (West):	120.4144730 - 120˚ 24' 52.10''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	730940.4
UTM Y (Meters):	4065930.2
Elevation:	204 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5602474 COIT RANCH, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140622
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
35200 W. CALIFORNIA AVENUE
MENDOTA, CA 93640

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FIRST SOLAR ELECTRIC	35200 W CALIFORNIA A	HAZNET		TP
A2	FIRST SOLAR ELECTRIC	35200 W CALIFORNIA A	HAZNET		TP

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
FIRST SOLAR ELECTRIC 35200 W CALIFORNIA A MENDOTA, CA 93640	HAZNET GEPAID: CAC002803574	N/A
FIRST SOLAR ELECTRIC 35200 W CALIFORNIA A MENDOTA, CA 93640	HAZNET GEPAID: CAC002832480	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

EXECUTIVE SUMMARY

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

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - 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
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

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
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted 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	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
CA FID UST	Facility Inventory Database

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
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
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
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

EXECUTIVE SUMMARY

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
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historic Gas Stations
EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

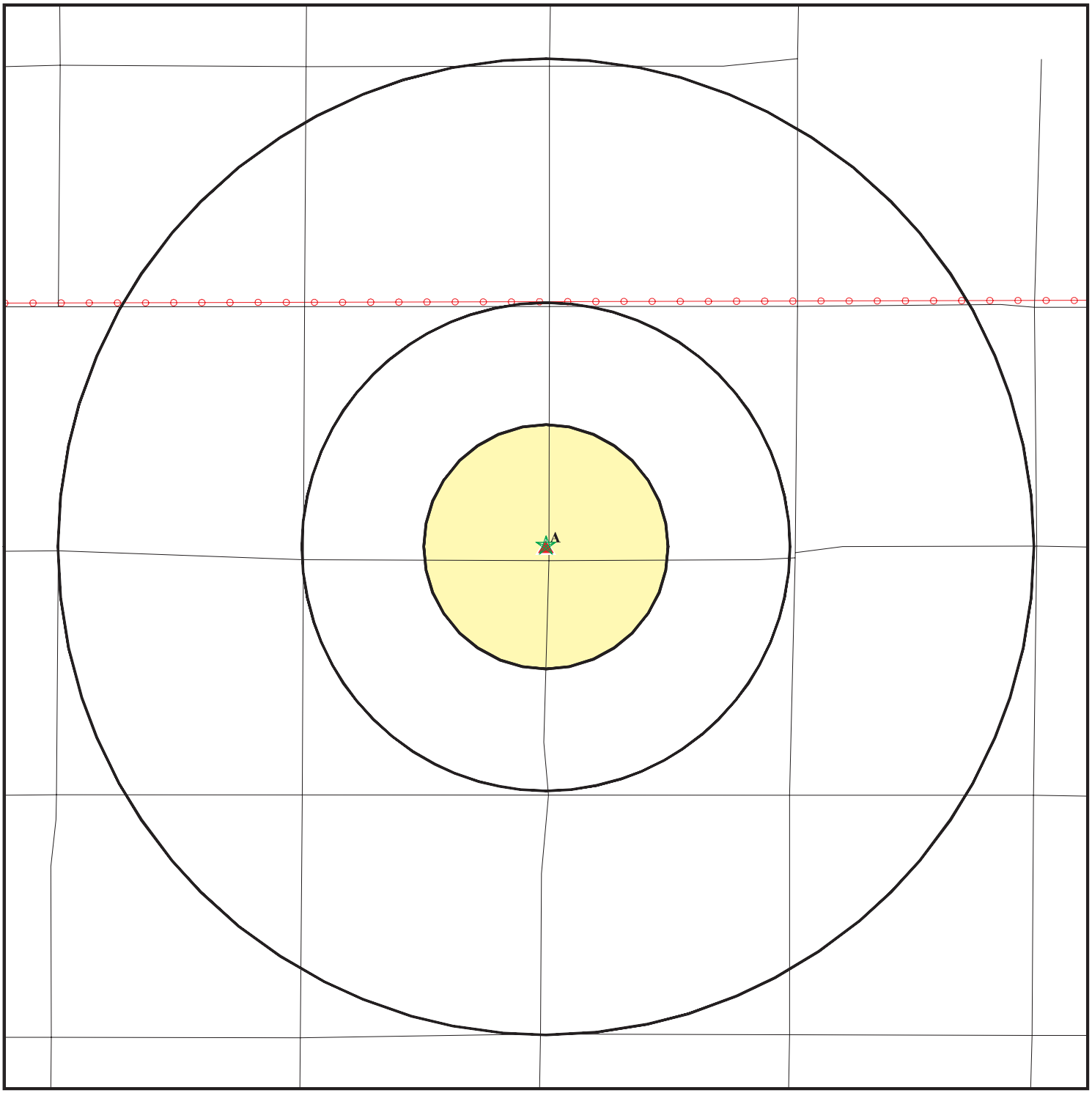
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
	CDL

OVERVIEW MAP - 4933963.2S



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

0 1/4 1/2 1 Miles

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: Little Bear 1 & 4 ADDRESS: 35200 W. California Avenue Mendota CA 93640 LAT/LONG: 36.712831 / 120.414473	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY #: 4933963.2s DATE: May 11, 2017 8:41 am

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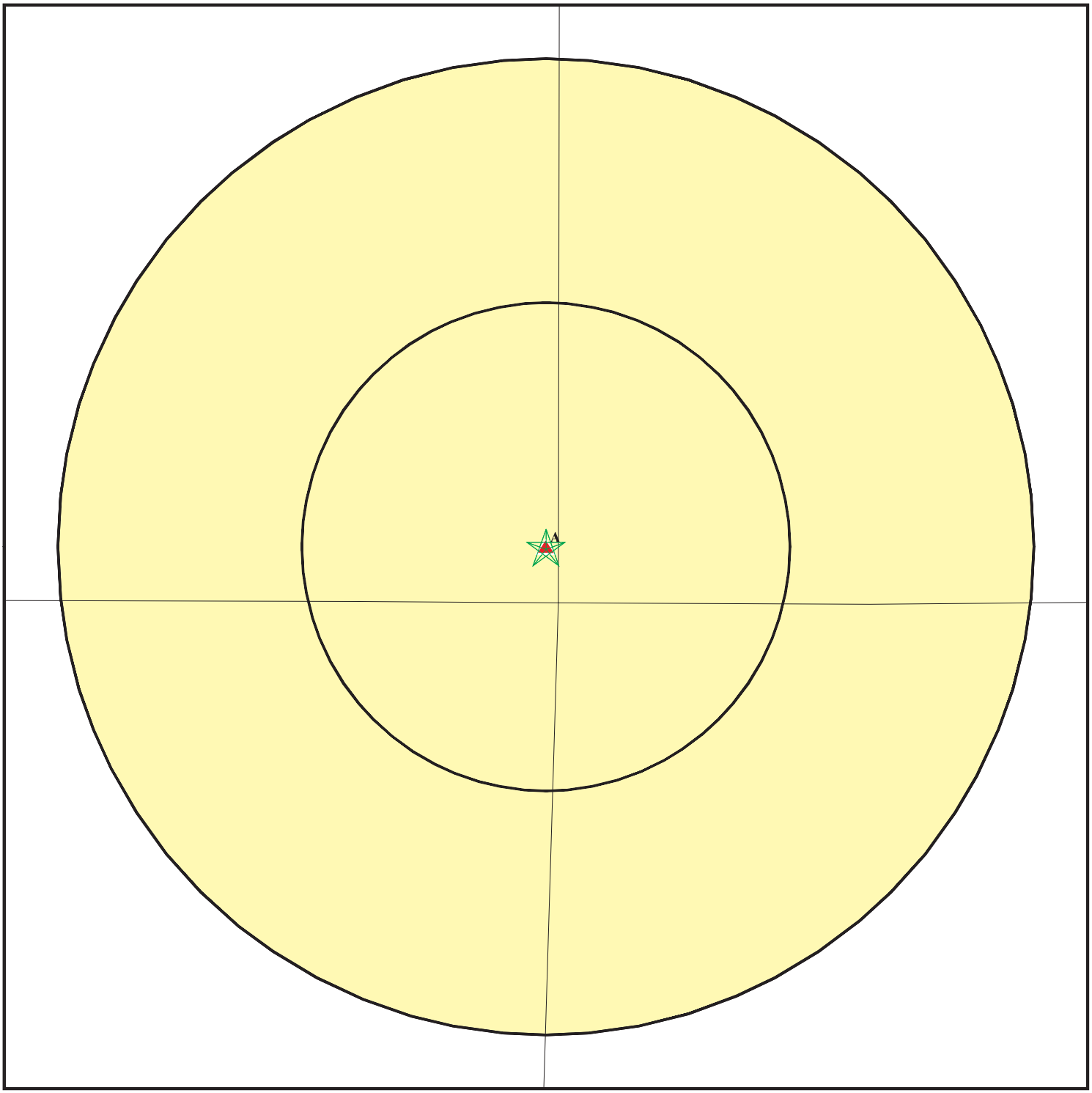
DETAIL MAP - 4933963.2S



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- 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: Little Bear 1 & 4 ADDRESS: 35200 W. California Avenue Mendota CA 93640 LAT/LONG: 36.712831 / 120.414473	CLIENT: ARCADIS U.S., Inc. CONTACT: Janet Holtz INQUIRY #: 4933963.2s DATE: May 11, 2017 8:42 am

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
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
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
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
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
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
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
State and tribal Brownfields sites								
BROWNFIELDS	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								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST 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
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	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

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	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
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
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	2	NR	NR	NR	NR	NR	2

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
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		2	0	0	0	0	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **FIRST SOLAR ELECTRIC (CALIFORNIA) INC** | **HAZNET** | **S118911391**
35200 W CALIFORNIA AVE | **N/A**
MENDOTA, CA 93640

Site 1 of 2 in cluster A

Actual: 204 ft.

HAZNET:

envid:	S118911391
Year:	2015
GEPAID:	CAC002803574
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:	UTD981552177
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	3.575
Cat Decode:	Other organic solids
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	Fresno

A2 Target Property | **FIRST SOLAR ELECTRIC** | **HAZNET** | **S118930743**
35200 W CALIFORNIA AVE | **N/A**
MENDOTA, CA 93640

Site 2 of 2 in cluster A

Actual: 204 ft.

HAZNET:

envid:	S118930743
Year:	2015
GEPAID:	CAC002832480
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:	UTD981552177
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.25
Cat Decode:	Other organic solids
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	Fresno

envid:	S118930743
Year:	2015
GEPAID:	CAC002832480
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

FIRST SOLAR ELECTRIC (Continued) **S118930743**

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:	0.075
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Fresno

envid:	S118930743
Year:	2015
GEPAID:	CAC002832480
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:	0.0075
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

envid:	S118930743
Year:	2015
GEPAID:	CAC002832480
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:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Fresno

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FRESNO COUNTY	S107538474		FAIRFAX AVE & CALIFORNIA AQUED		CDL

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: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
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: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/17/2017
	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: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/17/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/25/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

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: 12/28/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 93

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
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: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
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: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
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 inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

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

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
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
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
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
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
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
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.

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: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/16/2017
Next Scheduled EDR Contact: 06/26/2017
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: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
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: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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).

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

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: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
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: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds 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: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
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: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
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: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
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: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
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: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
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: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

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: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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: 12/01/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/27/2017
Next Scheduled EDR Contact: 06/12/2017
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.

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: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
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: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
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: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 45

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
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: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 105

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
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: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
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: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/03/2017
Next Scheduled EDR Contact: 05/29/2017
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: 10/11/2016
Date Data Arrived at EDR: 11/16/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
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
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
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
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: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
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
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: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

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: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
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: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
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: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

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: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
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: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
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: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
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: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
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: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
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.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/06/2017
Next Scheduled EDR Contact: 07/17/2017
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 Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
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: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
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: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Biennially

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
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
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: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
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.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
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: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
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: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
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: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
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: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/11/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

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: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
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: 09/02/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/19/2017
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: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
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: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/07/2017
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: 11/16/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
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: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
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: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/13/2017
Next Scheduled EDR Contact: 07/24/2017
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: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
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: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/15/2017
Next Scheduled EDR Contact: 05/29/2017
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: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
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: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
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: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/17/2017
Next Scheduled EDR Contact: 06/05/2017
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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
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 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

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: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
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: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/22/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
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: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 51

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
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: 12/14/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 6

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
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: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

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

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Semi-Annually

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

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 110

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
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: 12/05/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 41

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
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: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
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: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 44

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 85

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017
Date Data Arrived at EDR: 04/20/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 1

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 98

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
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: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
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: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
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: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2017
Next Scheduled EDR Contact: 06/19/2017
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: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

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

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
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: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
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: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

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

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 14

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/26/2017
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: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
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: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/13/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 76

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
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: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/22/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 65

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
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: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/13/2017
Next Scheduled EDR Contact: 05/29/2017
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: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
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: 02/27/2017
Date Data Arrived at EDR: 03/15/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/15/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 42

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
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: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
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: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
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: 02/21/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
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.

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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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ARCADIS

ATTACHMENT D

First Solar Little Bear

First Solar Little Bear
Mendota, CA 93640

Inquiry Number: 4947039.1S
June 1, 2017

EDR Environmental Lien and AUL Search

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

EDR Environmental Lien and AUL Search

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

FIRST SOLAR LITTLE BEAR
FIRST SOLAR LITTLE BEAR
MENDOTA, CA 93640

RESEARCH SOURCE

Source 1: Recorder
Fresno County, California

Source 2: Assessor
Fresno County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: Westlands Water District, a public agency

Title received from: Rick Blanchard, who also acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who also acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated 02/21/2002

Deed Dated: 09/28/2004

Deed Recorded: 10/04/2004

Instrument: 2004-0221852

Legal Description: All that certain piece or parcel of land being the South Half of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, situate and lying in the County of Fresno, State of California.

Legal Current Owner: Westlands Water District, a public agency

Property Identifiers: 019-110-03st

Deed 2:

Type of Deed: Grant Deed

Title is vested in: Westlands Water District, a public agency

Title received from: Rick Blanchard, who also acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who also acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated 02/21/2002

Deed Dated: 09/28/2004

Deed Recorded: 10/04/2004

Instrument: 2004-0221852

Legal Description: All that certain piece or parcel of land being the Northwest Quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, situate and lying in the County of Fresno, State of California.

Legal Current Owner: Westlands Water District, a public agency

Property Identifiers: 019-110-04st

Deed 3:

Type of Deed: Grant Deed

Title is vested in: Westlands Water District, a public agency

Title received from: Rick Blanchard, who also acquired title as Eric Blanchard, and Allison Blanchard, husband and wife; Darrell Louis Silveira, an unmarried man, who also acquired title as Darrell Silveira, a single man; and Dudley J. Silveira and Charlotte J. Silveira, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated 02/21/2002

Deed Dated: 09/28/2004

Deed Recorded: 10/04/2004

Instrument: 2004-0221852

Legal Description: All that certain piece or parcel of land being the Northeast Quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, situate and lying in the County of Fresno, State of California.

Legal Current Owner: Westlands Water District, a public agency

Property Identifiers: 019-110-05st

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

DEED EXHIBIT

RECORDING REQUESTED BY

Chicago Title Company FBO

AND WHEN RECORDED MAIL THIS DEED AND, UNLESS OTHERWISE SHOWN BELOW, MAIL TAX STATEMENT TO:

Name Westlands Water District
Street Address P.O. Box 6056
City & State Zip Fresno, CA. 93703-6056

Title Order No. _____ Escrow No 5633442-SCF

10

FRESNO County Recorder
Robert C. Werner
DOC- 2004-0221852
Acct 2-Chicago Title Company
Monday, OCT 04, 2004 08:00:00
Ttl Pd $0.00 Nbr-0001615033
APR/R1/1-10

SPACE ABOVE THIS LINE FOR RECORDER'S USE

T 355 Legal (2-94)

Grant Deed

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
DOCUMENTARY TRANSFER TAX IS $ exempt
☒ _____ unincorporated area ☐ City of _____
Parcel No. ~~019-050-19s,48s,~~55s,56s,59s; 019-110-03s,04s,05s, 06s, 13s
☐ computed on full value of interest or property conveyed, or
☐ computed on full value less value of liens or encumbrances remaining at time of sale, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, AS SET FORTH AT GRANTOR EXHIBIT ATTACHED HERETO AND MADE A PART HEREOF

hereby GRANT(S) to WESTLANDS WATER DISTRICT, a public agency

the following described real property in the county of Fresno, state of California:

AS DESCRIBED AT EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

Dated September 28, 2004

SEE SIGNATURE PAGE ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

STATE OF CALIFORNIA
COUNTY OF _____ } S.S.

On _____ before me,

_____

a Notary Public in and for said County and State, personally appeared

_____

_____

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature _____

(This area for official notarial seal)

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE; IF NO PARTY SHOWN, MAIL AS DIRECTED ABOVE

Name | Street Address | City & State

GRANTOR EXHIBIT

RICK BLANCHARD, who also acquired title as ERIC BLANCHARD, and ALLISON BLANCHARD, husband and wife; DARRELL LOUIS SILVEIRA, an unmarried man, who also acquired title as DARRELL SILVEIRA, a single man; and DUDLEY J. SILVEIRA and CHARLOTTE J. SILVEIRA, as Trustees of the Dudley and Charlotte Silveira Living Trust, under Declaration of Trust dated February 21, 2002;

SIGNATURE PAGE

RICK BLANCHARD

ALLISON BLANCHARD

DARRELL LOUIS SILVEIRA

DUDLEY J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

CHARLOTTE J. SILVEIRA, as Trustee
of the Dudley and Charlotte Silveira
Living Trust, under Declaration of
Trust dated February 21, 2002

3

STATE OF CALIFORNIA,

COUNTY OF Fresno } S.S.

On September 30, 2004, before me, Suzanne C. Ford, a Notary Public in and for said County and State, personally appeared Richard Blanchard, Allison Blanchard, Darrell Louis Silveira, Dudley J. Silveira and Charlotte J. Silveira

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

FOR NOTARY SEAL OR STAMP

TGJ1 SUZANNE C. FORD COMM. #1320407 NOTARY PUBLIC - CALIFORNIA FRESNO COUNTY My Comm. Expires Oct. 6, 2005 TGJ1

WITNESS my hand and official seal.

Signature _____

STATE OF CALIFORNIA,

COUNTY OF _____ } S.S.

On _____, before me, _____, a Notary Public in and for said County and State, personally appeared _____

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

FOR NOTARY SEAL OR STAMP

WITNESS my hand and official seal.

Signature _____

EXHIBIT A

PARCEL 1:

The East half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPT THEREFROM that portion described as follows:

BEGINNING at the Southeast corner of said Section 12 and running thence North along the East line of the Section a distance of 150 feet to a point; thence Westerly and parallel to the South line of the Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of the Section a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM all oil, gas and other hydrocarbon substances as reserved in the Deed from Capital Company, a corporation, dated February 24, 1942, recorded March 10, 1942 in Book 1993 Page 428 of Official Records, Document No. 9937.

PARCEL 1A:

BEGINNING at the Southeast corner of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof, and running thence North along the East line of said Section, a distance of 150 feet to a point; thence Westerly and parallel to the South line of said Section a distance of 150 feet to a point; thence Southerly and parallel to the East line of said Section, a distance of 150 feet to a point on the South line thereof; thence Easterly along the South line of said Section 12 to the POINT OF BEGINNING.

EXCEPT THEREFROM the following:

BEGINNING at the Southeast corner of said Section, said Southeast corner being at Coordinate Y=507781.472 feet and X=1593720.828 feet; thence (1) along the South line of said Section, North 89° 20′ 02" West 80.01 feet; thence (2) North 1° 26′ 46" East 30.00 feet to the North line of the South 30 feet of the Southeast quarter of said Section; thence (3) North 46° 26′ 29" East 70.72 feet to the West line of the East 30 feet of said Section; thence (4) along said West line North 1° 26′ 29" East 2579.30 feet to the North line of the Southeast quarter of said Section; thence (5) along last said North line South 89° 22′ 57" East 30.00 feet to the East line of said Section; thence (6) along said East line South 1° 26′ 29" West 2658.65 feet to the POINT OF BEGINNING.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and

thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-59s

PARCEL 2:

The West half of the Southeast quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Luie M. Christopher, also known as Louie M. Christopher, also known as L. M. Christopher and Effie A. Christopher, his wife, to Arne Jalonen and Ramona S. Jalonen, husband and wife, as joint tenants, recorded January 7, 1952 in Book 3106 Page 60 of Official Records, Document No. 679;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-050-19s

PARCEL 3:

The Northeast quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, together with all easements and rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property, and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon, as reserved in the Deed from Floyd A. Jury and Edna Genevieve Fleharty to Jesse Durham, dated April 4, 1945, filed for record April 26, 1945 in Book 2248 Page 225 of Official Records, Document No. 16735.

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-05s

PARCEL 4:

The Northwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPT THEREFROM an undivided one-half interest in and to all oil, gas and minerals, as reserved in the Deed from California Lands, Inc., (now Capital Company, a corporation), dated January 29, 1930, recorded in Book 1064 Page 40 of Official Records, Document No. 5336;

ALSO EXCEPT THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals now or at any time hereafter situate therein and thereunder, as reserved in the Deed from Arne Jalonen and Ramona S. Jalonen, husband and wife, to M. L. Dudley and Manuel Silveira, as tenants in common, dated December 4, 1961, recorded December 29, 1961 in Book 4655 Page 289 of Official Records, Document No. 95238.

APN: 019-110-06s

PARCEL 5:

The East half and the Southwest quarter of Section 13, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM the following described property:

That portion of the East half of the East half of said Section 13, described as follows:

Beginning at the Southeast corner of said Section, said Southeast corner being at Coordinates Y=502467.210 feet and X=1593586.361 feet; thence (1) along the South line of said Section, North 89° 16′ 19" West, 101.65 feet; thence (2) North 61° 26′ 58" East 82.73 feet to the West line of the East 30 feet of said Section; thence (3) along said West line, North 1° 26′ 58" East, 5195.14 feet; thence (4) North 43° 33′ 02" West 70.72 feet to the South line of the North 30 feet of said Section; thence (5) North 1° 26′ 46" East 30.00 feet to the North line of said Section; thence (6) along last said North line, South 89° 20′ 02" East 80.01 feet to the East line of said Section; thence (7) along said East line, South 1° 26′ 58" West 5316.32 feet to the point of beginning.

ALSO EXCEPTING THEREFROM one-half of all oil, gas and minerals, as reserved in the deed from Pearl Bartlett Adams to K. Henry Kruse and Lydia S. Kruse, husband and wife, as joint tenants, dated November 5, 1951, recorded November 23, 1951, in Book 3091 Page 328 of Official Records, Document No. 61397;

ALSO EXCEPTING THEREFROM an undivided one-fourth interest in and to all oil, gas and other hydrocarbons and minerals therein and thereunder, together with all easements ad rights necessary or convenient for the production, storage and transportation thereof and the exploration and testing of the said real property and also the right to drill for, produce and use water from the said real property in connection with drilling or mining operations thereon; as reserved in the deed from John Berkovich, also known as John J. Berkovich and Mary L. Berkovich, husband and wife, to Manuel J. Silveira and Elsie M. Silveira, husband and wife, as joint tenants, dated March 30, 1959, recorded April 15, 1959, in Book 4207 Page 697 of Official Records, Document No. 27494;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals as reserved in the deed from Manuel J. Silveira and Elsie M. Silveira to Edgar A. Wilkins and Evelyn Wilkins, husband and wife, dated September 20, 1962, recorded October 17, 1962, in Book 4775 Page 347 of Official Records, Document No. 79533;

ALSO EXCEPTING THEREFROM an undivided one-eighth interest in and to all oil, gas and minerals lying in and under said land, as reserved by Edgar A. Wilkinss by deed recorded March 20, 1968, in bk 555549 Page 456 of Official Records, Document No. 20329.

APN: 019-110-13s

PARCEL 6:

The North 1242.71 feet (measured at right angles) of the West half of the Southwest quarter of Section 12, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

APN: 019-050-48s

PARCEL 7:

The Northwest quarter of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof.

EXCEPTING THEREFROM an undivided 1/8 interest in and to all oil, gas, minerals and other hydrocarbon substances lying in and under the above described property, as reserved in the deed recorded March 15, 1967.

APN: 019-110-04s

PARCEL 8:

The South half of Section 14, Township 14 South, Range 14 East, Mount Diablo Base and Meridian, according to the Official Plat thereof;

EXCEPTING THEREFROM an undivided 2/25ths interest in and to the oil, gas and other minerals within or underlying said property.

ALSO EXCEPTING THEREFROM an undivided 50% of Grantor's interest in and to all oil, gas, minerals, hydrocarbon substances and available mineral rights in and under said land, as reserved in the deed from Anita M. Whiting, formerly Anita Arnaudon Salter, recorded December 15, 1983, as Document No. 83117333.

APN: 019-110-03s

PARCEL 9:

Lots 49 to 52, inclusive, Lots 61 to 64, inclusive, Lots 67 and 68, Lots 77 and 78, and Lot E of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records;

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-050-56s

PARCEL 10:

Lots 65, 66, 79 and 80 of Valle Verde Colony, according to the map thereof recorded in Book 3 Page 59 of Record of Surveys, Fresno County Records.

TOGETHER WITH that portion of Kearney Avenue (formerly Sultana Avenue) (abandoned), which would pass by a conveyance of said land under Sections 1112 and 831 of the Civil Code.

EXCEPTING THEREFROM an undivided one-half interest in all oil, gas and minerals on, in and under said real estate, with the right at all times to explore, drill for, mine and remove the same, together with all other rights and privileges incident thereto, as reserved in the deed from General American Life Insurance Company, a corporation, to Russell Giffen, dated March 14, 1941, recorded March 25, 1941, in Book 1904 Page 497 of Official Records, Document No. 11004.

ALSO EXCEPTING THEREFROM an undivided 25% of 100% of all oil, gas and other hydrocarbons and minerals on, in or under said real property, as reserved in the deed from Anderson, Clayton & Co., a Delaware Corporation, to Dudley J. Silveira, et al, recorded December 31, 1974, as Document No. 96737.

APN: 019-05~~6~~5-55s

CERTIFICATE OF ACCEPTANCE

Pursuant to the powers granted by the California Water Code section 35405 and according to the authority granted the General Manager by Westlands Water District Rules and Regulations, this certifies that the interest in real property conveyed by the attached instrument, entitled Grant Deed and dated September 28, 2004 from DARRELL SILVEIRA, ETAL to Westlands Water District, a public agency organized and operated under California Water Code section 34000 et seq., is hereby accepted by the undersigned Secretary on behalf of the Board of Directors of Westlands Water District, and the District hereby consents to recordation of the attached instrument.

Date: September 28, 2004

By: _____
Dave Ciapponi
Secretary

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