Draft
Environmental Impact Report

SCH# 2021040761

Volume 3

Technical Appendices J through M

SANDRINI SOLAR PROJECT

by EDPR CA Solar Park, LLC

(PP20402)

Conditional Use Permit No. 9, Map No. 159;
Conditional Use Permit No. 27, Map No. 160;
Conditional Use Permit No. 28, Map No. 160;
Conditional Use Permit No. 29, Map No. 160;
Conditional Use Permit No. 27, Map No. 161;
General Plan Amendment No. 2, Map No. 159 (Circulation);
General Plan Amendment No. 3, Map No. 160 (Circulation);
General Plan Amendment No. 4, Map No. 161 (Circulation);
Williamson Act Land Use Contract Cancellations

Kern County
Planning and Natural Resources Department
Bakersfield, California

September 2021

Appendix J
Phase I Environmental Site Assessment

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July 13, 2021

Tim Mule
EDP Renewables North America, LLC
Development - Western Region
53 SW Yamhill Street
Portland, OR 97204

Re: Phase I Environmental Site Assessment for the Sandrini Sol Solar Site located in Central California

Dear Tim,

KTA Associates, Inc. is pleased to provide the Phase I Environmental Site Assessment for the Sandrini Sol Solar Site located in central California. If you have any questions, please do not hesitate to contact me. We appreciate the opportunity to support you and EDP Renewables North America, LLC with this important matter.

Sincerely,
KTA Associates, Inc.

Ken Taylor
President

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Sandrini Sol Solar Site
Located in Central California

Click Here for Drone Video of the Site

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Sandrini Sol Solar Site
Central California

Prepared for:

EDP Renewables North America, LLC

Prepared by:

KTA Associates, Inc.
701 5th Avenue, Suite 4200
Seattle, WA

July 13, 2021

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COMMON ACRONYMS

AST	Above-ground Storage Tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
KTA	KTA Associates, Inc.
LQG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
NFA	No Further Action
NPL	National Priority List
PCB	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
SLIC	Spills, Leaks, Investigation and Cleanup
SQG	Small Quantity Generator
TSDF	Treatment, Storage, Disposal Facility
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank

1.0 INTRODUCTION

1.1 PURPOSE

This report represents the findings of a Phase I Environmental Site Assessment ("ESA") for the Sandrini Sol Solar Site in Central California (hereinafter referred to as the "Site"). The specific location of the Site is further described in Section 1.4, Scope of Activity. The objective of this Phase I ESA is to identify and characterize obvious or potential environmental concerns that may exist on the Site. To accomplish these objectives, a Phase I ESA was performed focusing on a review of the: (1) information disclosed by the landowner, (2) current and historic Site uses, (3) surrounding property use, (4) environmental regulatory records and (5) Site visit.

1.2 SPECIAL TERMS AND CONDITIONS

This report documents and summarizes work performed to fulfill tasks described in the Statement of Work agreed to by EDPR CA Solar Park II LLC and KTA Associates, Inc. (KTA) on June 3, 2021 (herein referred to as the "SOW"). The SOW includes the development of a Phase I ESA in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-13 (herein referred to as the "ASTM Standard") for Phase I ESAs. A Phase I ESA developed in accordance with the ASTM Standard is intended to permit a user to satisfy one of the requirements to qualify for "innocent landowner" defense to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. However, while KTA has conducted this Phase I ESA consistent with standard industry care, KTA makes no claims, warranties, or guarantees regarding this environmental review. The performance of services by KTA is governed by the terms in the SOW.

1.3 LIMITATIONS AND EXCEPTIONS

This report is based upon the application of scientific principles and professional judgment to certain facts with resulting subjective interpretations. Professional judgments expressed herein are based upon the facts currently available within the limits of the existing data, scope of work, budget, and schedule. To the extent that more definitive conclusions are desired by the client than are warranted by the currently available facts, it is specifically KTA's intent that the conclusions and recommendations stated herein will be intended as guidance and not necessarily a firm course of action except where explicitly stated as such. WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES AS TO MERCHANTABILITY OR FITNESS OF THE SITE FOR A PARTICULAR PURPOSE. Information provided in this report is not to be construed as legal advice.

1.4 SCOPE OF ACTIVITY

The Scope of Activity for this project is presented in the SOW. The description of the Site evaluated in this Phase I ESA is defined as property meeting the following criteria:

- Parcels identified on the Site Map in Appendix A, Figure A-1 with the following exclusion:
    - A Recognized Environmental Condition (REC) was identified while completing this Phase I ESA. KTA has developed a conservative REC buffer zone for the REC. The REC buffer zone includes the location of the REC and a conservative footprint of property potentially impacted by the REC. The REC and associated

REC buffer zone is excluded from the Site. This results in the Site being free of any RECs. The specific location of the REC is identified on the Site Map included in Appendix A, Figure A-1. The location of the REC and associated REC buffer zone is identified in the Property Summary Report included in Appendix C.

The Phase I ESA developed under this SOW has been performed consistent with established protocols in the ASTM Standard. The focus of the Phase I ESA is to determine whether RECs exist on the Site. RECs are defined in the ASTM Standard 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 recognized environmental conditions."***

De Minimis conditions in the ASTM Standard are defined as:

> ***"A condition that generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de Minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions."***

The key to this definition is the portion included above in bold. Specifically, the properties KTA has identified as not having RECs are those that likely would not be subject to an enforcement order to conduct additional investigation or cleanup if viewed by the U.S. Environmental Protection Agency (USEPA) or more likely the California Environmental Protection Agency.

In addition to the REC definition, Controlled and Historical RECs are defined as follows:

Controlled RECs (CRECs) in the ASTM Standard are defined as:

> *Applies to a site that has reached regulatory closure with the implementation of an engineering control, such as an impermeable cap, and/or an institutional control, such as a deed restriction or property use restriction.*

Historical RECs (HRECs) in the ASTM Standard are 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, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls.)"*

1.5 USER RELIANCE

Only EDP Renewables North America LLC (EDPR) and EDPR CA Solar Park II LLC may rely on information and findings included in this Phase I ESA.

2.0 SITE DESCRIPTION

2.1 LOCATION

The Site is approximately 85 miles northwest of Los Angeles, CA and 15 miles south of Bakersfield, CA. The general Site location is shown in Figure 1. The Site is in Kern County adjacent to US Interstate 5. A more detailed map of the Site is included on the Site Map in Appendix A, Figure A-1.

Figure 1 – General Site Location

2.2 SITE AND VICINITY CHARACTERISTICS

The Site is in the San Joaquin Valley, often referred to as the "food basket of the World" for its vast agricultural production. Current and historical uses of the Site, as described below in Sections 2.6 and 2.8, are primarily agricultural.

The Site is on average 305 feet above sea level, varying from 280 feet above sea level in the eastern portion of the Site to 330 feet above sea level in the western portion of the Site. The Site is in the San Joaquin Valley which is bound by the Diablo Mountain Range to the west, and the Sierra Nevada Mountain Range to the east. Figure 2 is a representative picture of the Site. Additionally, by clicking Figure 2, a video of the Site obtained via a KTA drone flight may be viewed.

Figure 2 – Representative Conditions on the Site (please click on this figure to view a video of the Site obtained via a KTA drone flight)

Over 700,000 years ago, the San Joaquin Valley was largely filled with a freshwater lake. The soil on the Site is largely made up of sediments and clay resulting from the presence of the lake. The soil has limited water infiltration rates. This limited water infiltration rate results in ideal crop growing conditions. Groundwater exists at shallow depths. However, federal regulations have precluded the use of groundwater from shallow aquifers. As a result, irrigation water is typically obtained from depths several hundred feet below the ground surface. The limits placed on shallow aquifer groundwater production and groundwater production in general are likely the most significant challenges facing agricultural farmers in the San Joaquin Valley. This is a hotly debated discussion for property owners close to the Site.

The climate is semi-arid, the precipitation and humidity are low, and the summer temperatures are high. The Site averages less than 9 inches of precipitation per year. The warmest month is

July when the average monthly temperature is 96 degrees F. The coolest month is December, when the average temperature is 57. Further geology and soil, surface water and groundwater information are presented in the EDR Regulatory Reports in Appendix D.

Figure 3 – California Aqueduct on the Northeastern Portion of the Site

2.3 INFORMATION REPORTED BY LANDOWNERS REGARDING ENVIRONMENTAL LIENS OR SPECIALIZED KNOWLEDGE OF ENVIRONMENTAL ISSUES

To provide compliance with the ASTM Standard, interviews must be conducted with the landowners or landowner representatives for the parcels making up the Site. Mr. Adam Forman of KTA contacted and interviewed each landowner or landowner representative for the parcels making up the Site. A summary of the interview questions and the interview responses is provided in the Property Summary Report in Appendix C. No RECs were identified during the interview process.

During the course of completing the interviews, Mr. Forman asked each landowner or landowner representative if they had knowledge about past property owners, occupants, or operators. No landowners had contact information for past property owners, occupants, or operators. However, in some cases, they were able to confirm the historical use of their parcels was the same as the current use, agriculture. This is consistent with KTA's review of historical Site use as described in Section 2.8.

2.4 INFORMATION REPORTED BY USERS OF THE ESA

The user of this Phase I ESA is EDPR. Mr. Tim Mule represents EDPR for matters related to the Sandrini Sol Solar Project. KTA contacted Mr. Mule and provided the written questionnaire as described in the ASTM Standard, Appendix X3. Mr. Mule indicated in the questionnaire his knowledge pertaining to the Site consists of the information included in the KTA Phase I ESAs developed for the Sandrini Solar Site dated 2-16-2019 and Updated on 8-3-2020, 9-12-2019, and 10-7-2020. As a result, he was only aware of REC #1 as described in Section 2.7. The ASTM Standard also requires the User to identify whether Environmental Liens and Use Limitation (AULs) are associated with any parcels making up the Site. KTA was requested to conduct an Environmental Lien and AUL search for the User. This search was completed by AFX Research, LLC (AFX). No Environmental Liens or AULs were identified for the parcels making up the Site. The questionnaire, including the Environmental Lien and AUL Report, is in Appendix E.

2.5 INFORMATION REPORTED BY LOCAL AGENCIES

Mr. Adam Forman submitted a written information request to the Kern County Public Health Department for information pertaining to environmental issues, including storage tanks and spills, at the Site and surrounding areas. Ms. Lindsay Scott responded with a phone call that she knew of no facilities of concern on the Site. No registered hazardous substance or petroleum storage facilities are on the Site. KTA contacted Kern County Public Works and spoke with a

representative in the Code Compliance office who stated she did not have any knowledge of an environmental problem in the vicinity of the Site. The representative said the Public Health Department is a better source for this type of information. KTA observed the Kern County Planning Department information available on the Kern County GIS website. The Site is within Zoning district A, which is described as Exclusive Agriculture. No additional pertinent environmental information was available from the Planning Department.

KTA reviewed the State Water Board GeoTracker website for information pertaining to environmental data from water quality regulatory programs, including oil and gas monitoring related activities. Environmental facilities presented on the website include LUST Cleanup Sites, Cleanup Program Sites, Military Cleanup Sites, and others. No GeoTracker facilities were identified on the Site or within a mile of the Site.

Mr. Adam Forman contacted the Kern County Sherriff's Office to ask if they were aware of any environmental impacts on or near the Site. Mr. Forman spoke with the dispatcher, who stated she was not aware of any environmental impacts on or near the Site.

KTA reviewed the Cortese List database. The EDR Report, described in Section 3.0, includes the Cortese List database in the scope of their review. The Cortese List database is maintained by CALEPA. It includes a list of sites: where hazardous waste and substances are generated, where leaking underground storage tanks are located, where solid waste disposal facilities are located, subject to Cease-and-Desist Orders and Cleanup and Abatement Orders that do NOT concern the discharge of hazardous materials wastes, and where hazardous waste facilities are subject to corrective action. No Cortese List sites were listed on the Site or within a mile of the Site.

2.6 CURRENT USE INFORMATION

The Site primarily consists of agricultural land, vegetated land, and irrigation basins. According to landowners, the majority of this land is or was once used for crop production. Buried piping is located throughout the Site to transport irrigation water. In active farming areas, the irrigation water is passed through sand filters prior to discharge into irrigation ditches and pipelines on the Site. Herbicides, pesticides, and fertilizers are added to the water system at the water pumping/filtering locations as discussed in Section 4.2.2. The landowners do not recall historically having a central concentrated herbicide, pesticide, or fertilizer mixing area on the Site, as discussed in the Property Summary Report in Appendix C. The historical use of herbicides, pesticides, and fertilizer is discussed further in Section 2.8.

There are several irrigation basins throughout the Site, including a large irrigation basin on the northern portion of the Site. According to the landowner, the basin has not been filled with water in decades.

Limited farming and irrigation activities have occurred on the Site within the last 5 years. Crop production on a majority of the Site has halted due to water scarcity in the region and the potential of a solar farm being built on the Site. The eastern portion of the Site is still active agricultural land with row crop production.

Three other smaller uses take place on the Site:

- The end of a small airstrip is on eastern edge of PIN 295-130-83. No hazardous substances or petroleum are present at this location. The majority of the airstrip and an

associated airplane hangar are beyond the Site boundary and are further discussed in Section 2.7.

Figure 4 – Large Crop Production Facility (Ag Nutrien Solutions Facility) Adjacent to the Site Resulting in REC #1

- A residential structure and an irrigation reservoir are on the southeastern corner of the Site on PIN 445-062-34. The residence does not have an associated garage. The residence has a propane AST and no additional fuel tanks. Significant irrigation piping and a radio tower are north of the residence on the same parcel. Plastic totes with herbicides, pesticides, and/or fertilizers were observed in the vicinity of the reservoir and water pumps are on the parcel with no evidence of spillage or staining.

- There are beekeeping boxes on the northern portion of the Site near the aqueduct. The boxes are used for harvesting honey and do not present an environmental threat to the Site.

2.7 Surrounding Properties

The property uses immediately surrounding the Site are the same with four notable exceptions:

- A large crop production facility is adjacent to the eastern portion of the Site as shown in Figure 4. The facility is owned by Ag Nutrien Solutions, previously known as Crop Production Services. The facility stores and distributes large quantities of farming products, including hazardous materials. Given the bulk storage of hazardous materials in tanks at the facility, and the containment system, while good, may not contain spills from tanks (particularly during substantial rainfall events, when the containment is full of rainwater), there is reasonable potential for contaminants to migrate to the Site via groundwater or surface water. This potential for migration of contamination to the Site results in the designation of an REC on the Site (identified as REC #1). The location of REC #1 is identified on the Site Map in Appendix A, Figure A-1 and in the Property Summary Report included in Appendix C. KTA has developed a conservative REC Buffer Zone, which if excluded from the lease for the parcel with the REC, will result in the parcel being free of REC #1. The location of the REC Buffer Zone is shown on the Site Map in Appendix A, Figure A-1. The coordinates for the REC Buffer Zone are included in the Property Summary Report in Appendix C. Additional information regarding the Ag Nutrien Solutions facility is provided in Section 3.0 – Environmental Records Review.

- The California Aqueduct north of the eastern portion of the Site (which also intersects the northeastern portion of the Site), as shown in Figure 3. This aqueduct conveys water collected from the Sierra Nevada Mountains to Southern California.

- A small airplane landing strip and an associated airplane hangar are south of the southeast corner of the Site. When viewed from the road, the airstrip and hangar are in excellent condition. Aboveground fuel tanks appear to be adjacent to the hangar. There is no evidence this facility impacts the Site.

- Two agriculture farming operations and one residence are adjacent to the western portion of the Site on Old River Road. When viewed from the road, the operations and residence appear to be in good condition. There is no evidence these operations and residence impact the Site.

Beyond REC #1, no additional RECs were identified as the result of surrounding property uses.

2.8 HISTORICAL USE INFORMATION

Historical use of the Site and surrounding area, since the early 1950's, has remained primarily agricultural or undeveloped land. The Site and surrounding area appear to have been primarily undeveloped land prior to 1942. The aqueduct north of the Site appears to have been constructed prior to 1937, but little or no development is present south of the aqueduct.

Historical use of the Site as agricultural land includes the use of pesticides, herbicides, and fertilizers. Long term use of these products generally results in detectable concentrations of hazardous substances in soil. This is a well-known topic and is the subject of many studies by State of California Environmental Regulatory Agencies and Universities on property throughout the over five million acres of irrigated farmlands in the San Joaquin Valley. Areas where concentrated pesticides, herbicides, and fertilizers are mixed with water prior to crop application often have higher concentrations of hazardous substance in soil and groundwater. Mixing of concentrated pesticides, herbicides, and fertilizers with water currently does not occur on the Site. Historically, this practice on the Site is limited, and the locations where it may have occurred are unknown.

KTA has studied the presence of pesticides, herbicides, and fertilizers in soil at many locations throughout the San Joaquin Valley, including locations representative and within 90 miles of the Sandrini Sol Solar Site. These studies have involved collecting soil samples and analyzing them for contaminants associated with pesticides, herbicides, and fertilizers and reviewing the results of similar studies performed by other entities. Representative redacted data reports (in order to protect confidential client information) are presented in Appendix F. These data reports do not include data from additional Sites subject to KTA review (given more stringent confidentially agreements). However, this data is similar to data included in Appendix F. The data included in Appendix F and otherwise subject to KTA review is herein referred to as "data".

The data resulted from studies performed prior to 2019. As a result, the data was compared to very conservative California Water Board, San Francisco Bay, Tier 1 Environmental Screening Levels (ESLs) updated in 2016 (the "2016 ESLs"). The 2016 ESLs were developed with very conservative non-Site-specific assumptions resulting in concentrations protective of future Site residential use. The comparisons indicated the data associated with pesticide, herbicide, and fertilizers were below the 2016 ESLs. The ESLs were updated in 2019 by the California Water Board (the "2019 ESLs"). The 2019 update resulted in many ESLs lower than those included in the 2016 ESLs. The majority of the data was below the 2019 ESLs. In some cases, data was reported as non-detect, but the reporting concentration was above the 2019 ESLs. In some cases, the data was above the ESLs, but by no more than 0.089 mg/kg.

The studies and associated data support the conclusion that pesticides, herbicides, and fertilizer related contaminants are detectable in soil on property used for agriculture purposes throughout the San Joaquin Valley (including the Site). However, the data is less than or similar in concentration to data included in the conservative 2019 ESLs.

KTA has not designated the presence of the abovementioned pesticide, herbicide, and fertilizer contaminants in soil on the Site as an REC. The ASTM Standard indicates RECs do not include contamination that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. In this case, the various California agencies are clearly aware of the presence of pesticide, herbicide, and fertilizer related contaminants on property used for agriculture purposes throughout the San Joaquin Valley (including the Site). Additionally, as would be expected, these California Agencies have taken no enforcement actions to conduct remedial actions for contaminants with concentrations similar to those subject to the review as described above.

Additional third-party information has been obtained to evaluate historical uses on the Site. This information is discussed in the following sections.

2.8.1 Aerial Photograph Review

Current and historical aerial photographs are provided in Appendix B. The historical aerial photographs confirm the Site uses identified in this Phase I ESA with the following exceptions:

- The 1956, 1968 and 1973 aerial photographs show several small structures on the eastern portion of the Site (on the eastern portion of PIN 295-140-06). Between 1973 and 1984, the structures were removed, and the area was returned to agricultural use. The landowner, Mr. Kevin Antongiovanni, was not aware of these structures and stated property in that location was used to farm onions and cotton. It is likely the structures were used to house farm workers. The structures were limited in size and no notable containers, potentially including hazardous substances or petroleum, are visible. The historical presence of these structures does not result in the designation of an REC on the Site.

- The 1973 and 1984 aerial photographs show what appears to be a residence on the eastern portion of the Site (on the western portion of PIN 295-130-05). Between 1984 and 1994, the residence was removed, and the area was returned to agricultural use. The residence was limited in size and no notable containers, potentially including hazardous substances or petroleum, are visible. The historical presence of this residence does not result in the designation of an REC on the Site.

No RECs were designated as a result of the aerial photograph review.

2.8.2 Historical Sanborn Maps Review

Sanborn Fire Insurance Maps were requested from EDR. Based on EDR's search, Sanborn Fire Insurance Maps are not available for each of the three portions of the Site. This is expected given the Site's rural location. EDR has provided a certification of the search, which is included in Appendix B.

2.8.3 Historical Mineral and Petroleum Production Report

Information regarding mining and petroleum development activities on the Site may be found in Appendix G. A summary of this information follows:

- No mines are or have been located on the Site.
- No oil or gas production wells are or have been located on the Site.
- One gas transmission pipeline and one hazardous liquid pipeline intersect the western portion of the Site and one hazardous liquid pipeline intersects the eastern portion of the Site. No spills from these pipelines, on or within 2 miles of the Site, have been reported.

No RECs were identified on the Site in association with mining and petroleum related activities.

2.8.4 Title Reports

At the time this Phase I ESA was developed, title reports for parcels making up the Site were unavailable. Given the historical Site use information as described in this section and reported by landowners or landowner representatives, it is unlikely any historical uses are identified in title reports not already discussed in this Phase I ESA report.

3.0 ENVIRONMENTAL RECORDS REVIEW

3.1 REGULATORY AGENCY DATABASE LIST REVIEW

This section describes the results of the regulatory agency database review for sites of concern (SOCs) done by Environmental Data Resources, Inc. (EDR).

EDR is a firm that acquires data from government agencies. The purpose of the regulatory agency database review is to screen for potential sources of contamination or activities of environmental concern for the Site and adjacent properties. The agency published databases were screened for sites of potential concern in accordance with the ASTM Standard. All reviewed databases are up to date and current as required by the ASTM Standard.

3.2 RESULTS

The results of the search of available environmental regulatory databases conducted by EDR are in the EDR Reports in Appendix D. Detailed descriptions for each of the databases may be found in the EDR Reports. To encompass the entire Site, along with a one-mile buffer beyond the Site boundary, two EDR reports were obtained. The EDR report location reference map and the EDR reports are in Appendix D.

As described in the EDR reports, the search of available ("reasonably ascertainable") government records indicates no SOCs are on the Site. However, there are several SOCs within a one-mile buffer beyond the Site boundary. KTA has reviewed these SOCs closely and determined one SOC results in the designation of an REC on the Site. A general discussion of the most notable SOCs follows:

- EDR Report #2, SOC cluster C is adjacent to the eastern portion of the Site. The SOC includes the Ag Nutrien Solutions facility previously discussed and designated as an REC (REC #1) in Section 2.7. The SOC is listed on many regulatory databases. A spill of anhydrous ammonia at the facility in 1992 was identified. The case was subsequently closed. Many hazardous material storage violations have been identified that were primarily associated with improper reporting and improper hazardous material storage procedures. These violations support KTA's finding in Section 2.7 that the Ag Nutrien Solutions facility is an REC.

- EDR Report #1, SOC cluster I is adjacent to the southeast of the western portion of the Site. The SOC is listed on the FINDS, HAZNET, CERS, EMI, Tanks, and CIWQS databases and is identified as a skydiving operation and PRD Cotton Oil Company. The database listings are primarily associated with airborne emissions as well as aboveground petroleum tanks for the airplane operations. This SOC is also referenced in Section 2.7 (surrounding property uses). No reported releases were identified. The SOC does not result in the designation of an REC on the Site.

- EDR Report #1, SOC cluster B, and SOCs #16 and #17 are approximately 0.25 miles to the southwest of the Site. The SOC, also referenced in Section 2.7 , is an agricultural facility with air emissions and evaporator basins treating or disposing of animal feeding waste. A penalty was enforced in 2005 for failure to submit WMP, which was terminated in 2005. No additional violations were reported. Based on the regulatory status and distance from the Site, the SOC does not appear to have impacted the Site and does not result in the designation of an REC on the Site.

- EDR Report #1, SOC cluster C is adjacent to the southwestern portion of the Site. The SOC is listed on the FINDS, HAZNET, and CUPA Listings and is identified as the PG&E Lakeview substation. The substation likely has transformer oil stored onsite, but no reported releases were identified. As viewed from the parcel boundary, no evidence of petroleum spillage was observed at the facility. No evidence of petroleum or hazardous substance releases was identified at the substation, and the SOC does not result in the designation of an REC on the Site.

- EDR Report #1, SOC cluster A is adjacent to the western portion of the Site. The SOC is listed on the FINDS, CERS, CUPA Listings, and HWTS databases. The SOCs provide historical information from an air emission inventory system. The status of the facility is inactive, and no violations were identified. Based on the regulatory status of the facility, the SOC does not result in the designation of an REC on the Site.

- EDR Report #1, SOC #1 is mapped near the western property boundary. The SOC is listed on the CIWQS database for a construction stormwater permit. The SOC is improperly mapped, and the actual location is more than a mile north of the Site. The SOC does not result in the designation of an REC on the Site.

- EDR Report #2, SOC cluster H is adjacent to the southeastern portion of the Site. The SOC is listed on the AST, CERS Tanks, CUPA Listings, and FINDS databases and is identified as Walker Fry Ranch. The SOC had violations in 2019 for failure to train employees, reporting, and a sheen was observed within the diked area of the fuel tank. The violations were corrected. The ranch likely has fuel tanks for the farming operation and no reported releases have been reported. Small drips have likely occurred during the fueling operations; however, these are unlikely to result in large releases that would migrate onto the Site. The SOC does not result in the designation of an REC on the Site.

3.2.1 Orphan Sites

Due to inadequate address information in the environmental databases, orphan sites are often identified in the EDR Reports. These orphan sites are not included on maps and are not considered in EDR's search of "reasonably ascertainable" records, either on the Site or within the ASTM Practice search radius around the Site. The orphan sites were reviewed, and with one exception all were beyond the one-mile buffer beyond the Site boundary. The exception is an orphan site identified as a clandestine drug lab (CDL). The CDL was reported to be approximately 40 yards adjacent from the western portion of the Site. It is possible this orphan site is not mapped correctly. The CDL was discovered and cleaned up in 1998. The hazardous substances associated with the drug laboratory would have been removed during the cleanup. As expected, no impacts to groundwater were reported. As a result, the CDL does not result in the designation of an REC on the Site.

4.0 INFORMATION FROM THE SITE VISIT

Mr. Adam Forman of KTA visited the Site on June 30, 2021. The strategy for the Site visit included visually inspecting the entire Site via driving, hiking, and using an aerial drone. Visibility on the Site was excellent due to the flat terrain. Photographs taken during the Site visit are provided in Appendix H.

The following sections provide a general overview of Site observations. Information related to the following topics on a parcel-by-parcel basis may be found in the Property Summary Report in Appendix C.

4.1 GENERAL OBSERVATIONS

The Site consists almost entirely of agricultural land, undeveloped land and dry irrigation ponds and is free of obvious environmental impacts.

4.2 STORAGE TANKS

4.2.1 Underground Storage Tanks (USTs)

No underground storage tanks containing hazardous substances or petroleum were identified on the Site.

4.2.2 Aboveground Storage Tanks (ASTs)

KTA identified the following ASTs on the Site:

- Three plastic totes (approximately 275-gallons each) were being utilized on the southeastern portion of the Site. The totes contained herbicide, pesticide, or fertilizer applied to the agricultural fields. According to the landowner, Mr. Colby Fry, the totes are delivered to the Site with the products pre-mixed. The products discharged into irrigation near the irrigation pumps. No reported leaks or spills of the products have occurred, and no evidence spillage or staining associated with the products was observed by KTA.
- Two empty steel tanks were observed on the southwestern corner of PIN 295-130-02, near the former residence discussed further in Section 4.4. The tanks have been out of use for many years and may have been water holding tanks. The tanks were on a concrete slab with no evidence of hazardous substance or petroleum staining or spillage.
- One 55-gallon drum was identified on the southeastern portion of PIN 295-130-26 via the aerial drone as shown in Figure 5. It is unclear

Figure 5 – 55-gallon AST Located on PIN 295-130-26

whether the 55-gallon drum was empty or full. However, given the lack of impacted vegetation adjacent to the 55-gallon drum and the de minimis amount of hazardous substance or petroleum present (assuming the drums was full), the presence of the 55-gallon drum is not designated as an REC.

The ASTs do not result in the designation of an REC on the Site.

Figure 6 – Solid Waste Disposal Area on PIN 295-130-26 and PIN 295-130-27

4.3 INDICATIONS OF PCBs

No indications of PCB releases were identified on the Site.

4.4 INDICATIONS OF SOLID WASTE DISPOSAL

Solid Waste disposal areas were identified in several locations on and near the Site. A discussion of the most pertinent solid waste disposal areas are as follows:

- On the southwestern corner of PIN 295-130-02, a solid waste disposal area was observed in the area of a former residence and barn. The solid waste has been placed on the foundation for the former residence. The majority of the solid waste is inert concrete pipe, plastic sheeting, scrap wood and metal, and tires. No significant amounts of hazardous substances or petroleum products were identified in this solid waste. Given the inert and deminimis quantity of solid waste, the lack of any notable hazardous substances or petroleum, and much of the solid waste is on top of a concrete floor, the solid waste disposal area is not designated as an REC.

- On the southeastern portion of PIN 295-130-26 and southwestern portion of PIN 295-130-27, a solid waste disposal area was identified as shown in Figure 6. The solid waste consists primarily of tires, cement, irrigation pipe, and other inert materials. According to the landowner, Mr. Kevin Antongiovanni, this region has been used to store agricultural and irrigation equipment for several decades. No significant amounts of hazardous substances or petroleum products were identified in this solid waste disposal area. Given the limited quantity of solid waste and the lack of hazardous substances and petroleum, the solid waste disposal area is not designated as an REC.

- North of the eastern portion of the Site, a small solid waste disposal area was identified. A small portion of the solid waste disposal area extends onto the Site, in the northwestern portion of PIN 295-130-48. The solid waste disposal area primarily consists of household waste, wood, cement, and other inert materials. As shown in Figure 7, two empty 55-gallon ASTs were identified in the solid waste disposal area. The 55-gallon drums were approximately 25-feet north of the Site. (i.e., no 55-gallon drums or ASTs associated with the solid waste disposal area were on the Site.) The vegetation surrounding the solid waste disposal area did not appear to be impacted. Given the de minimis amount of solid waste, the absence of notable hazardous substance and petroleum, and the lack of

vegetation impacts on the Site, the solid waste disposal area does not impact the Site in a manner resulting in the designation of an REC.

- On the southeastern portion of PIN 295-140-07, a significant number of onions have been dumped on the ground surface. The onions are dumped by the truck load and are lined up in large piles. No additional waste was observed in the area of the dumped onions. The onion dumping piles do not result in the designation of an REC on the Site.

Figure 7 – Solid Waste Disposal Area North of the Site that Extends onto PIN 295-130-48

4.5 WASTEWATER AND STORMWATER

There is no notable wastewater generated on the Site. Stormwater appears to infiltrate into the soil or drains into nearby ditches.

4.6 STAINED SOIL AND PAVEMENT

No significant stained soil or pavement was identified on the Site.

4.7 ON-SITE POTABLE WATER WELL

No potable water wells are on the Site. Only irrigation wells are on the Site.

4.8 AIR EMISSIONS

No air emissions from industrial or man-made operations resulting in RECs were identified on the Site.

4.9 DEMOLITIONS AND FIRES

No demolitions or fires were identified during the Site visit which have the potential to release hazardous substances or petroleum in a manner resulting in the designation of an REC.

4.10 RELEASES

No non-de minimis releases of hazardous substances or petroleum were identified during the Site visit.

5.0 FINDINGS

5.1 PROPERTY FINDINGS

KTA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 for the Site (as described in Section 1.4 of this report). Any exceptions to, or deletions from, this practice are described in Section 5.2 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Site, with the following exception:

- REC #1 – As described in Sections 2.7 and 3.2, there is a large facility adjacent to the eastern parcel of the Site (parcel APN # 445-062-34). Ag Nutrien Solutions, formerly known as Crop Production Services, stores bulk farming chemicals and petroleum products in large storage tanks. There have been several regulatory storage and reporting violations associated with these tanks. Given the bulk storage of hazardous materials in tanks at the facility and the containment system, while good, may not contain spills from tanks (particularly during substantial rainfall events when the containment is full of rainwater), there is reasonable potential for contaminants to migrate to the Site via groundwater or surface water. This potential for migration of contamination to the Site results in the designation of an REC on the Site (identified as REC #1). The location of the REC is identified on the Site Map in Appendix A, Figure A-1, and the Property Summary Report in Appendix C. KTA has developed a conservative REC Buffer Zone, which if excluded from the lease for the parcel with the REC, will result in the parcel being free of REC #1. The coordinates for the REC Buffer Zone are in the Property Summary Report in Appendix C.

No HRECs or CRECs were identified during the completion of this Phase I ESA.

5.2 EXCEPTIONS

Exceptions or data gaps exist when a review requirement identified in the ASTM Practice E1527-13 is not conducted. For this Phase I ESA, two exceptions exist as follows.

5.2.1 Historical Aerials

Historic aerial photographs for the Site are not all of the quality or frequency required by the ASTM Practice E1527-13. This is due to the large size and rural location of the Site. However, all reasonable efforts were made to obtain suitable historical aerial photographs. Further, the historical aerials obtained allowed for a reasonable assessment of historical conditions. Given other reviews conducted as part of this Phase I ESA, this data gap is not considered significant. This is a common data gap for Phase I ESAs conducted for large rural Sites.

5.2.2 Title Reports

At the time this Phase I ESA was developed, title reports for the properties making up the Site were unavailable. To provide compliance with the ASTM Practice E1527-13 standard, title reports for these properties are to be reviewed. Given other reviews conducted as part of this Phase I ESA, in addition to the environmental lien and AUL search conducted for the Site, this exception is not considered significant and is unlikely to have an impact on the findings or KTA's ability to certify this Phase I ESA. This is a common exception for Phase I ESAs conducted for large solar projects with many landowners.

5.3 RECOMMENDATIONS

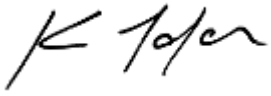
Given the historical use of the Site as agricultural land involving the use of pesticides, herbicides, and fertilizers, KTA recommends the Construction Health and Safety plan consider risks associated with soil and groundwater exposure. At a minimum this should include the use of dust suppression measures and the wearing of safety glass. These measures are the same as those implemented for solar farm construction projects throughout the San Joaquin Valley and are generally addressed by protective measures associated with “Valley Fever”.

6.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

6.1 STATEMENT AND SIGNATURE

"I declare, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 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 312, unless otherwise identified in Section 5.2." A copy of my resume is included in Appendix I.

Signature:



July 13, 2021

Ken Taylor, President
KTA Associates, Inc.

Date

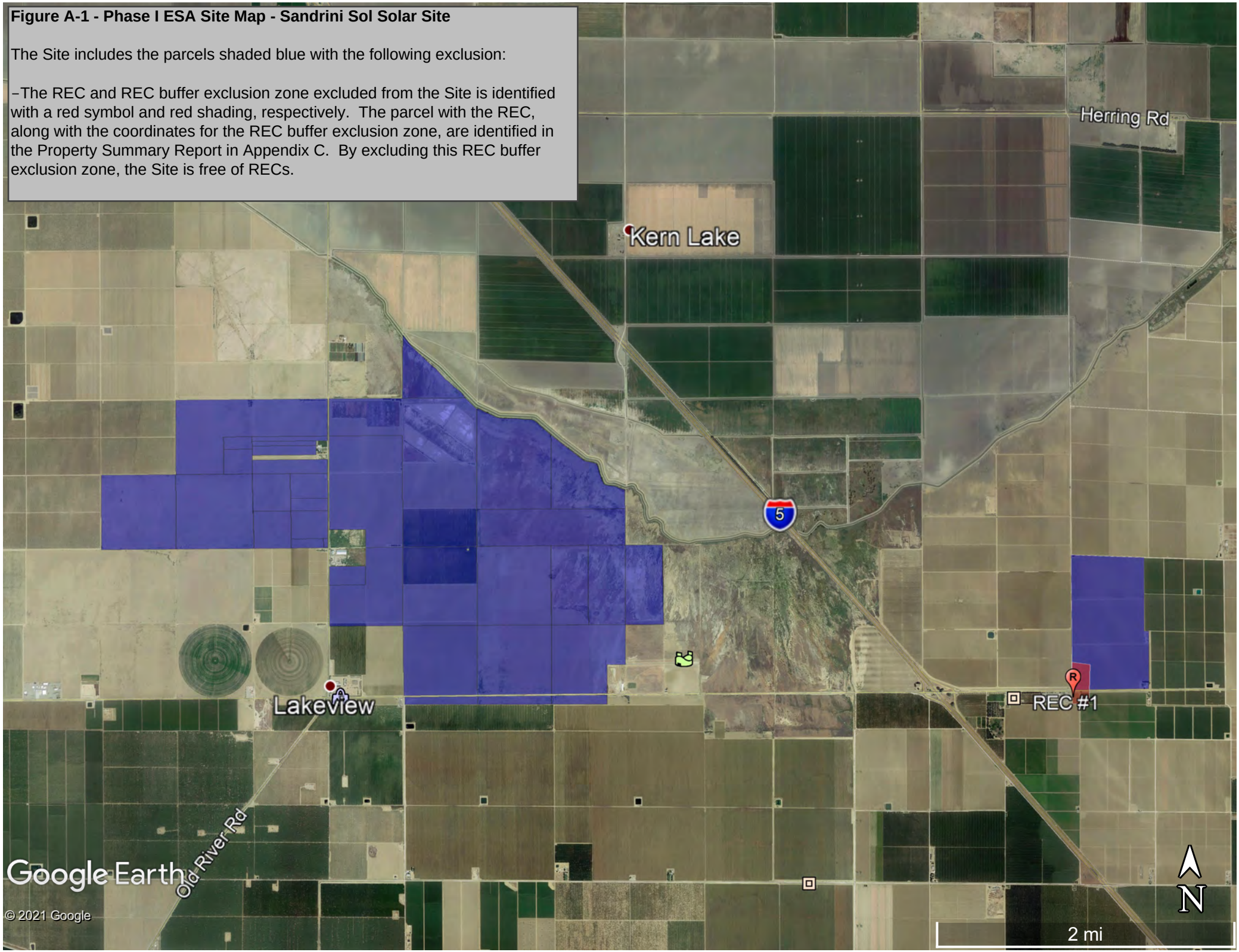
APPENDIX A

Site Map

Figure A-1 - Phase I ESA Site Map - Sandrini Sol Solar Site

The Site includes the parcels shaded blue with the following exclusion:

−The REC and REC buffer exclusion zone excluded from the Site is identified with a red symbol and red shading, respectively. The parcel with the REC, along with the coordinates for the REC buffer exclusion zone, are identified in the Property Summary Report in Appendix C. By excluding this REC buffer exclusion zone, the Site is free of RECs.



APPENDIX B

Historical Records

Sandrini Sol Solar Site

Old River Rd

Bakersfield, CA 93313

Inquiry Number: 6202419.5

October 01, 2020

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

10/01/20

Site Name:

Sandrini Sol Solar Site
Old River Rd
Bakersfield, CA 93313
EDR Inquiry # 6202419.5

Client Name:

KTA Associates, Inc.
800 5th Avenue
Seattle, WA 98104
Contact: Martin Griesse-Nascimento

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2005	1"=1000'	Flight Year: 2005	USDA/NAIP
1994	1"=1000'	Acquisition Date: January 01, 1994	USGS/DOQQ
1984	1"=1000'	Flight Date: January 01, 1984	USDA
1973	1"=1000'	Flight Date: January 01, 1973	USDA
1968	1"=1000'	Flight Date: January 01, 1968	USGS
1956	1"=1000'	Flight Date: January 01, 1956	USDA
1952	1"=1000'	Flight Date: January 01, 1952	USDA
1942	1"=1000'	Flight Date: January 01, 1942	USDA
1937	1"=1000'	Flight Date: January 01, 1937	USDA

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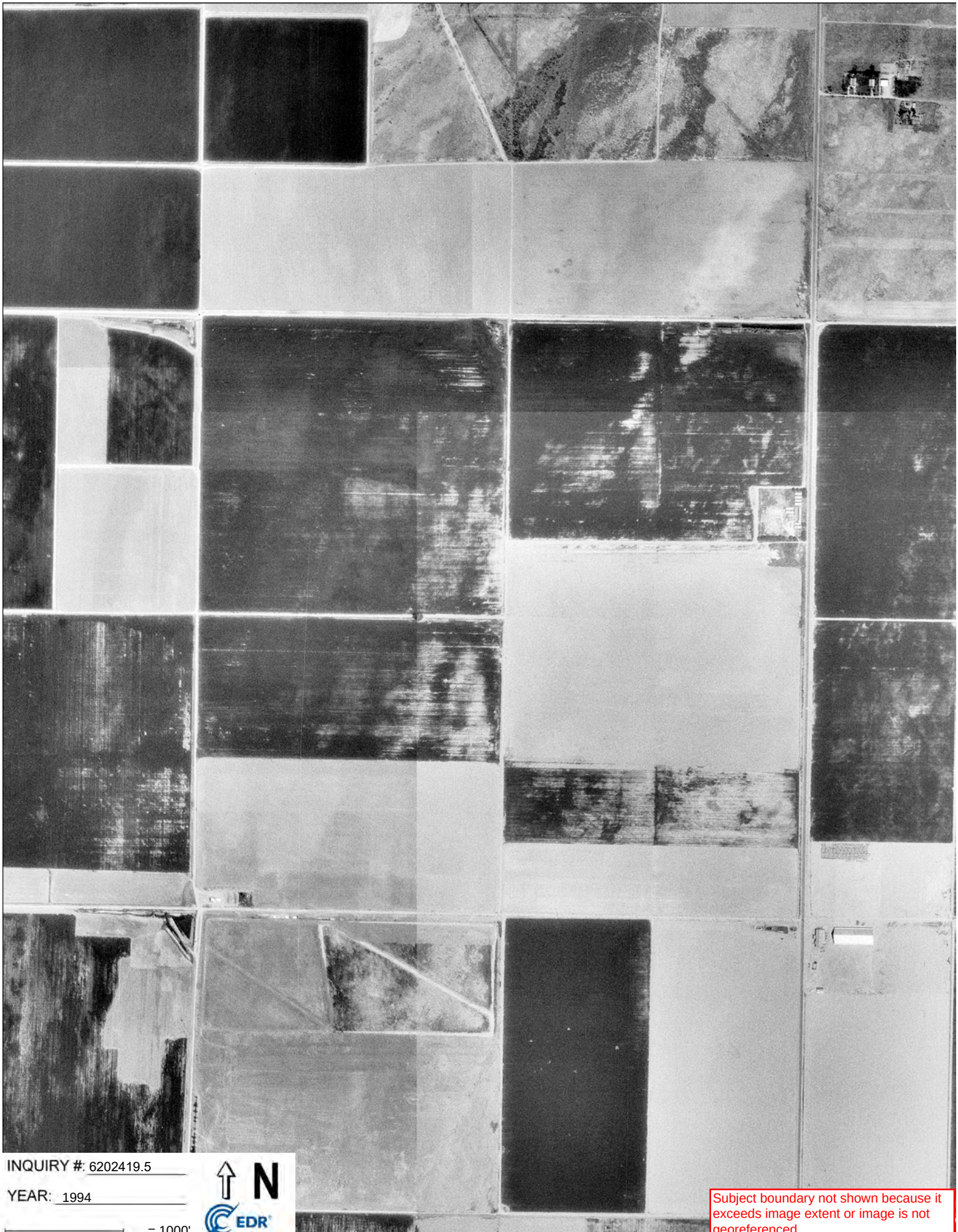

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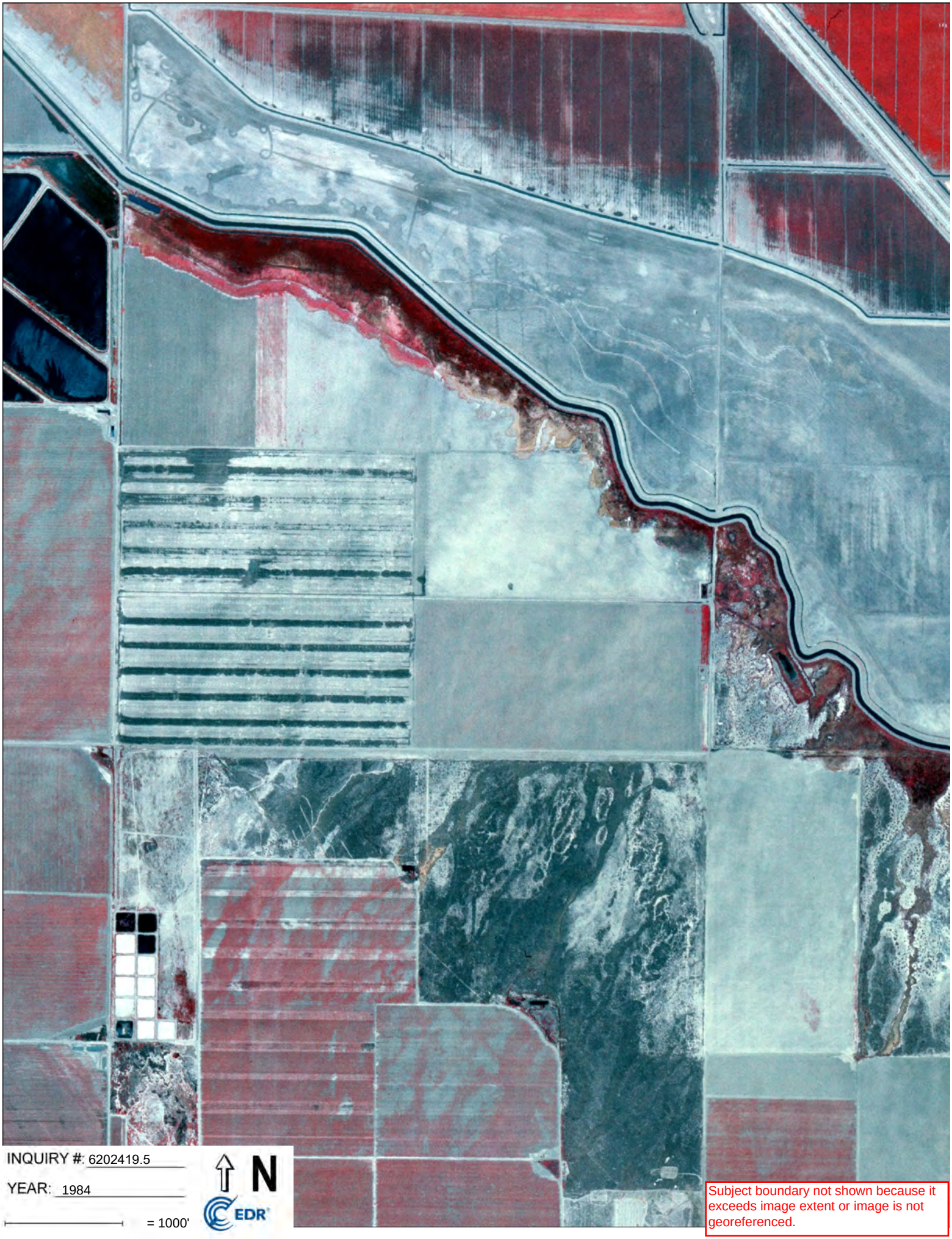

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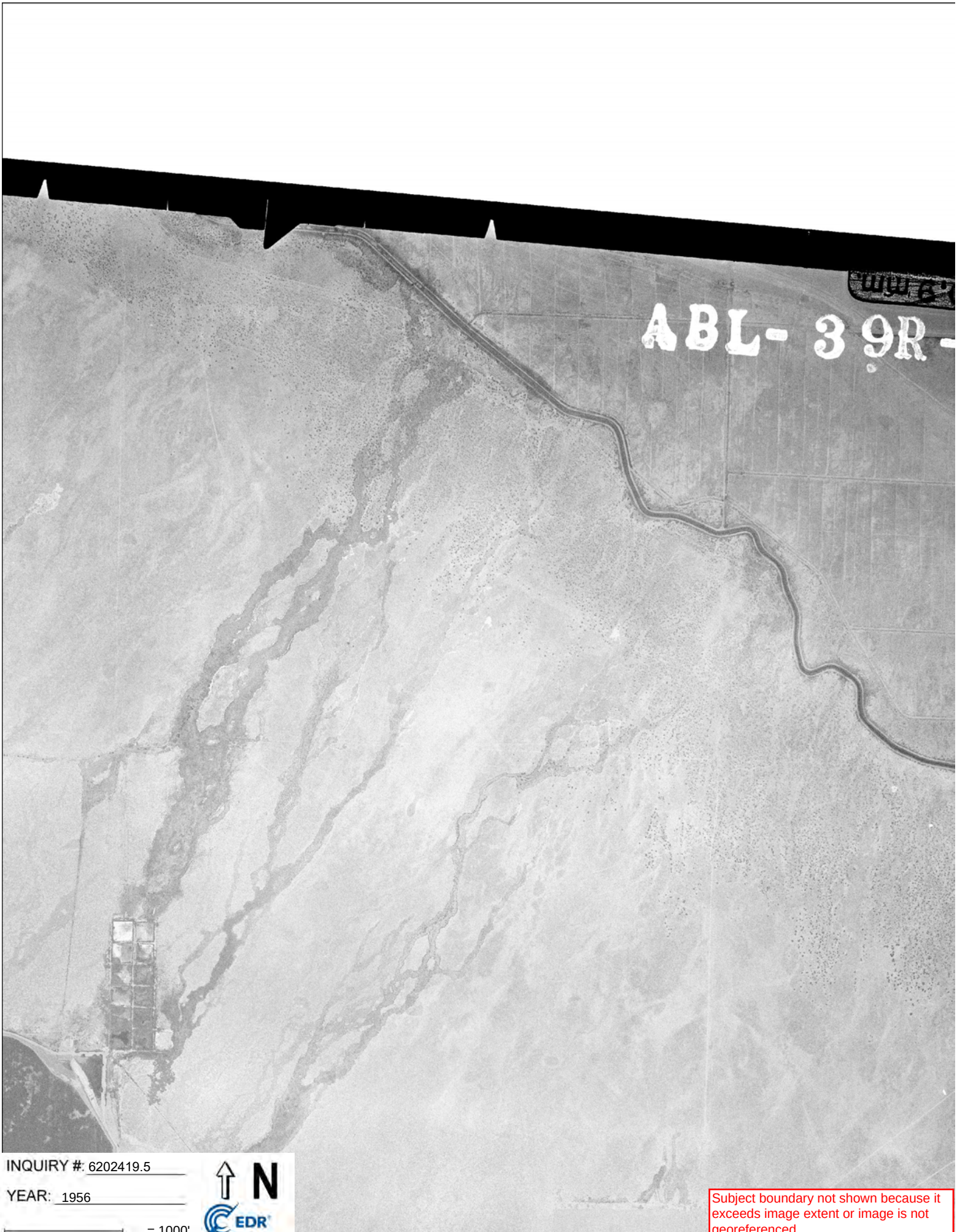

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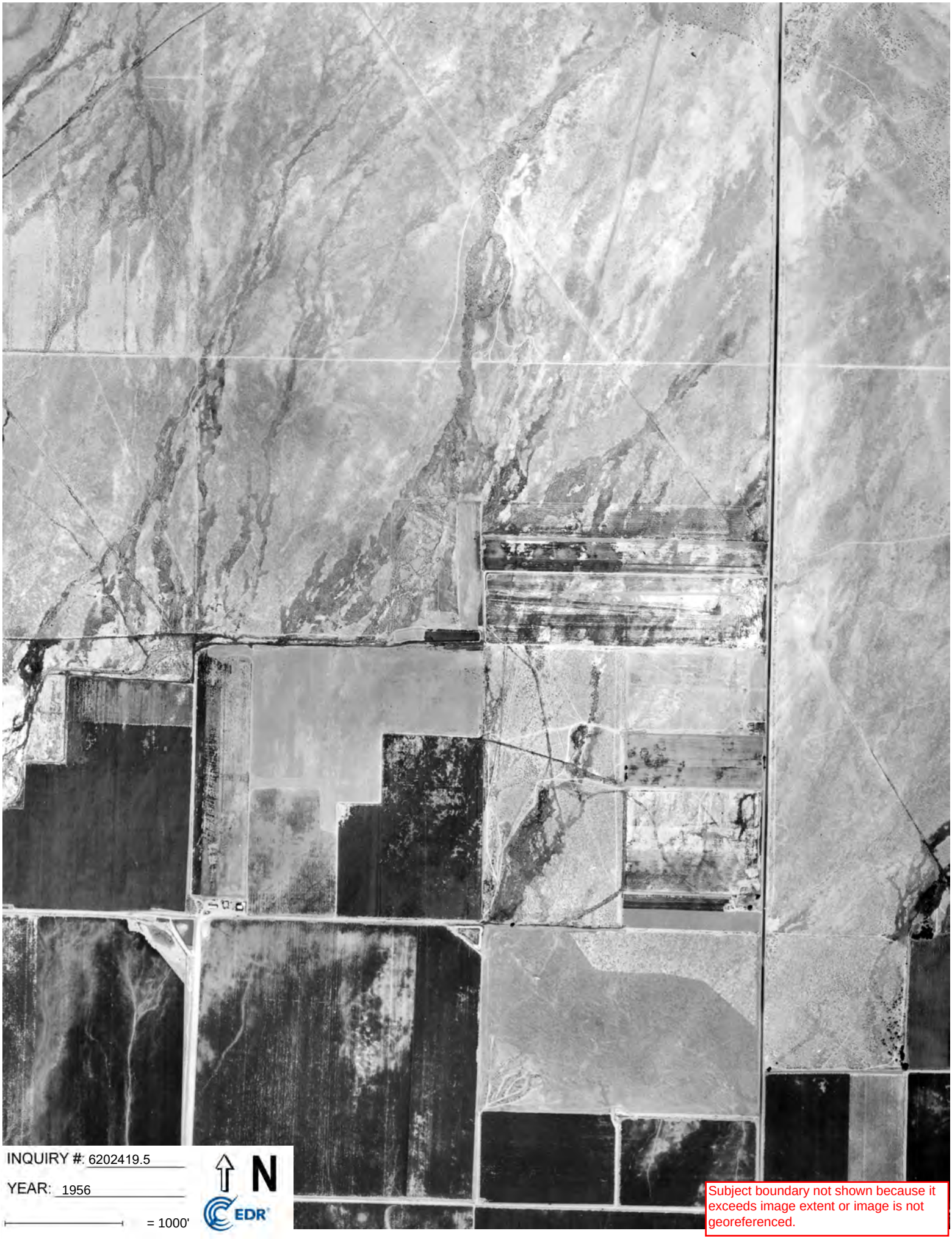

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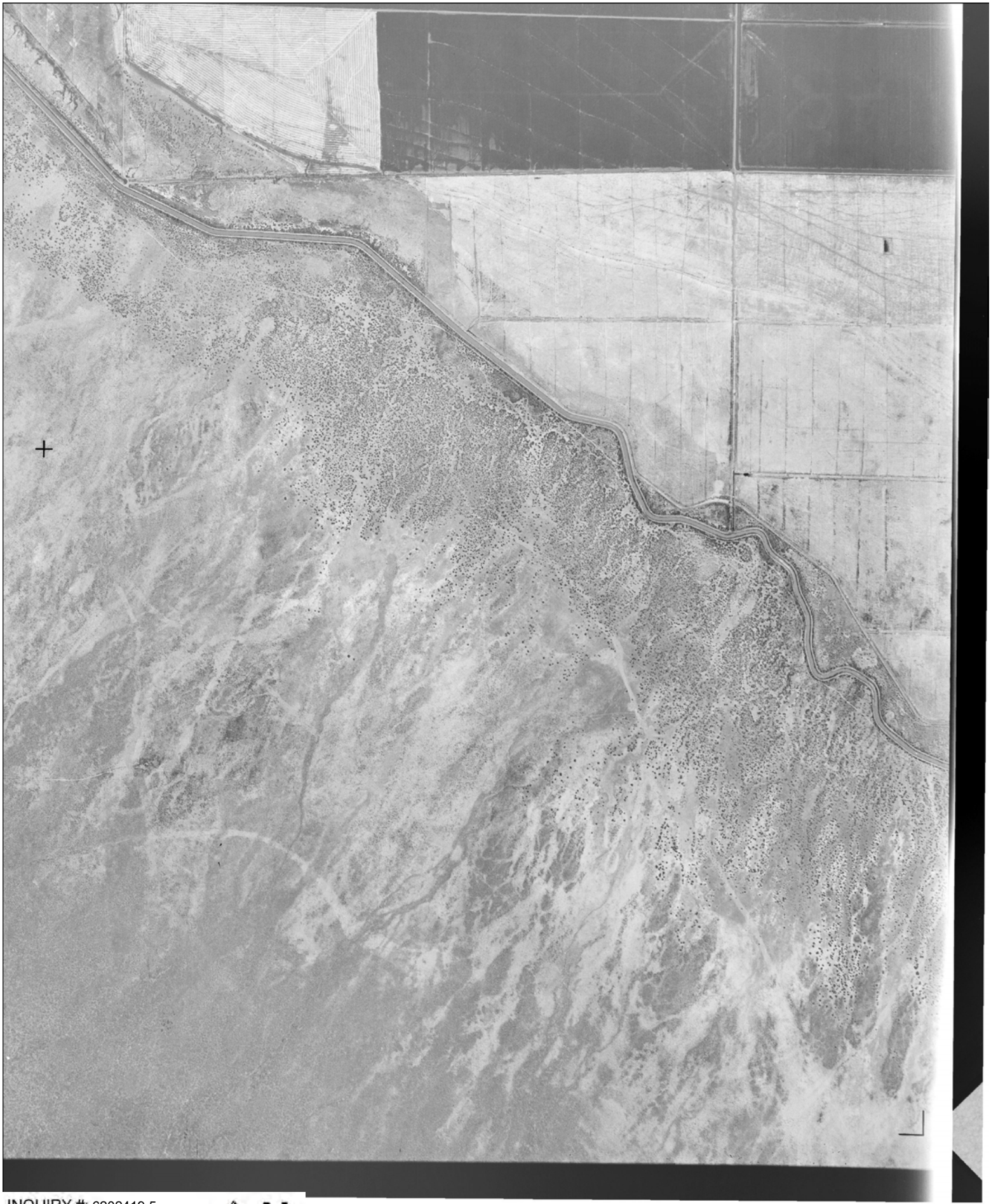

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Sandrini Sol Solar#1 N

Herring Rd

Bakersfield, CA 93313

Inquiry Number: 5554460.2

February 08, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

02/08/19

Site Name:

Sandrini Sol Solar#1 N
Herring Rd
Bakersfield, CA 93313
EDR Inquiry # 5554460.2

Client Name:

KTA Associates, Inc.
800 5th Avenue
Seattle, WA 98104
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1973	1"=500'	Flight Date: May 01, 1973	USDA
1968	1"=500'	Flight Date: April 21, 1968	USGS
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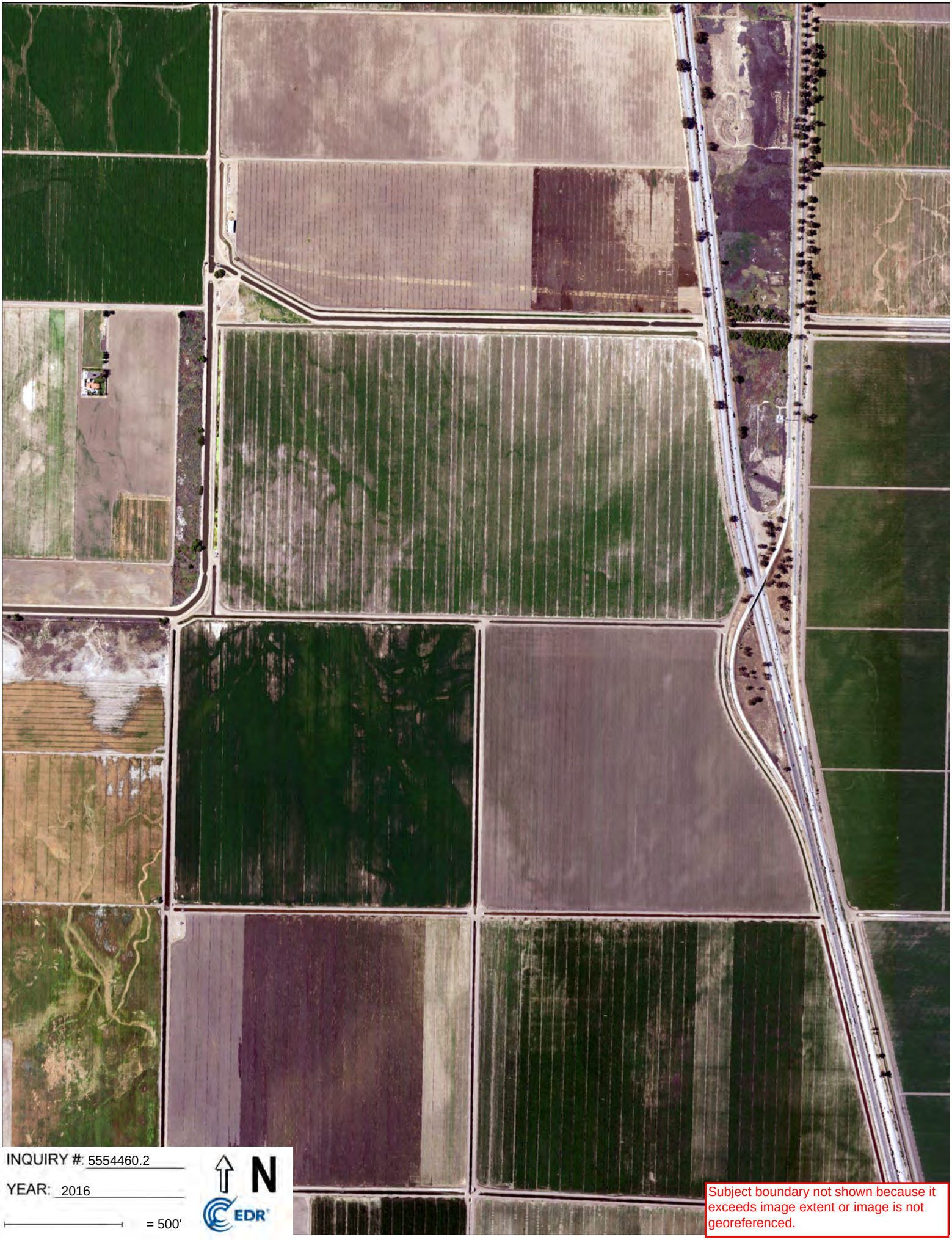
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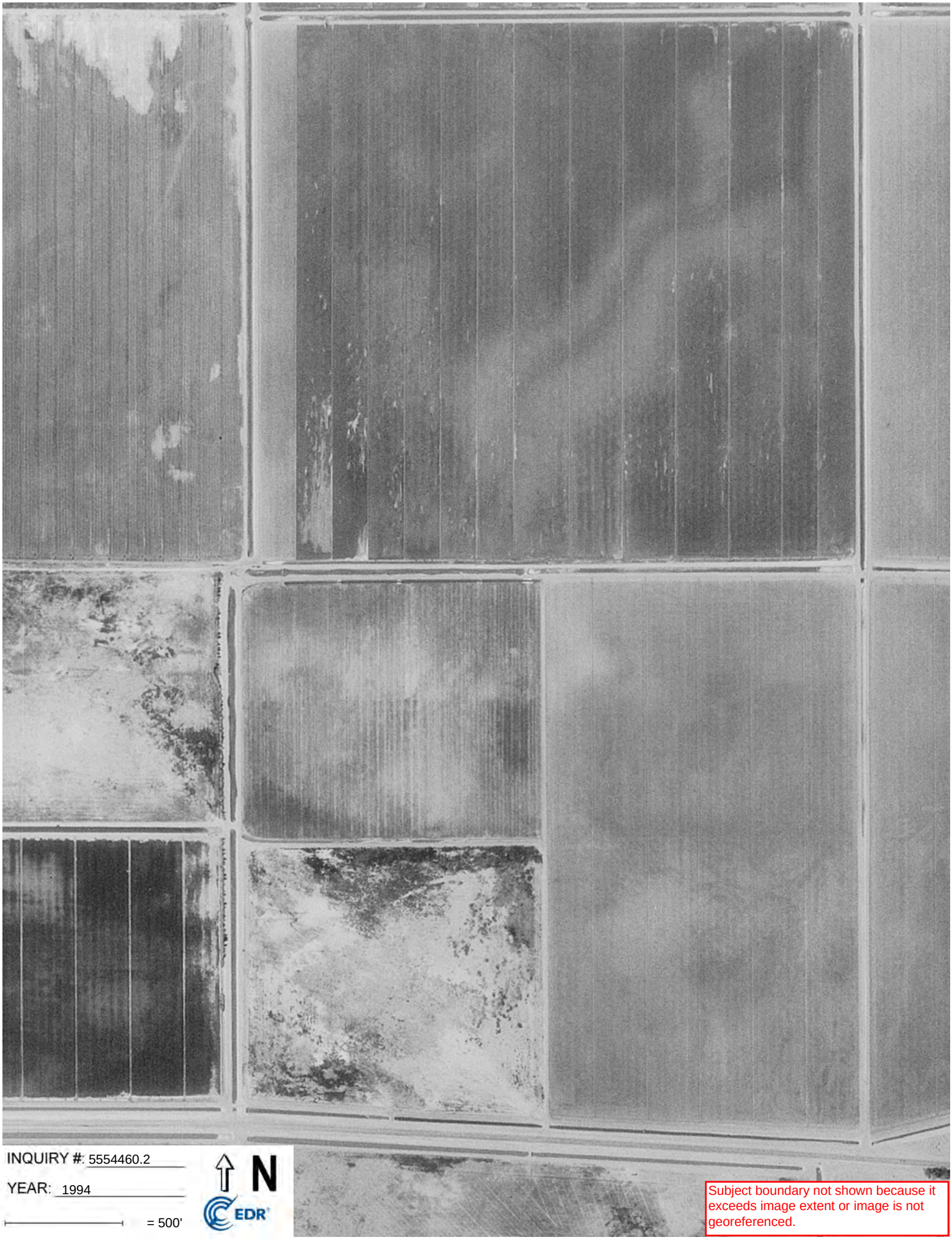

INQUIRY #: 5554460.2

YEAR: 1994

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EDR

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INQUIRY #: 5554460.2

YEAR: 1994

= 1000'

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INQUIRY #: 5554460.2

YEAR: 1994

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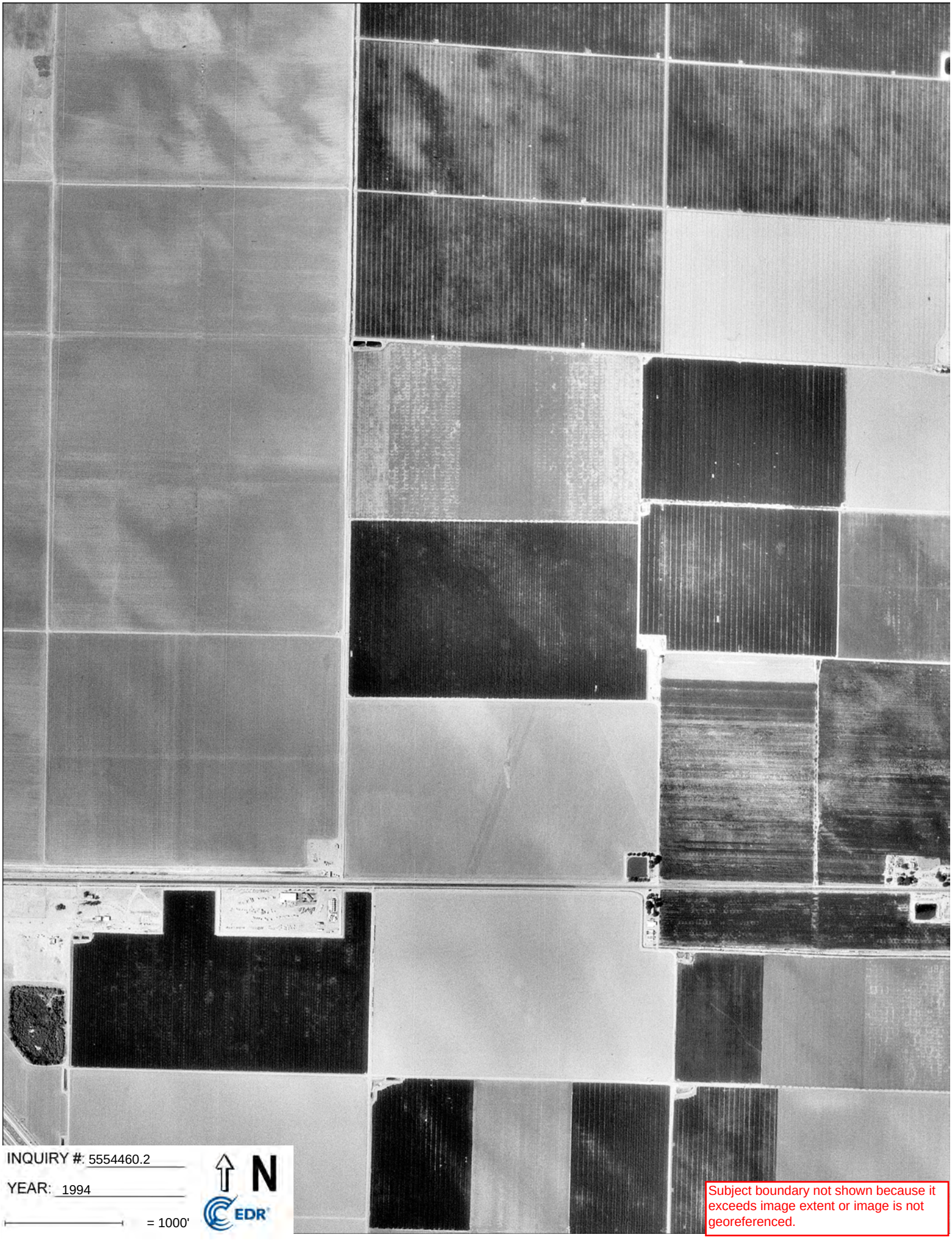
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YEAR: 1994
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YEAR: 1994
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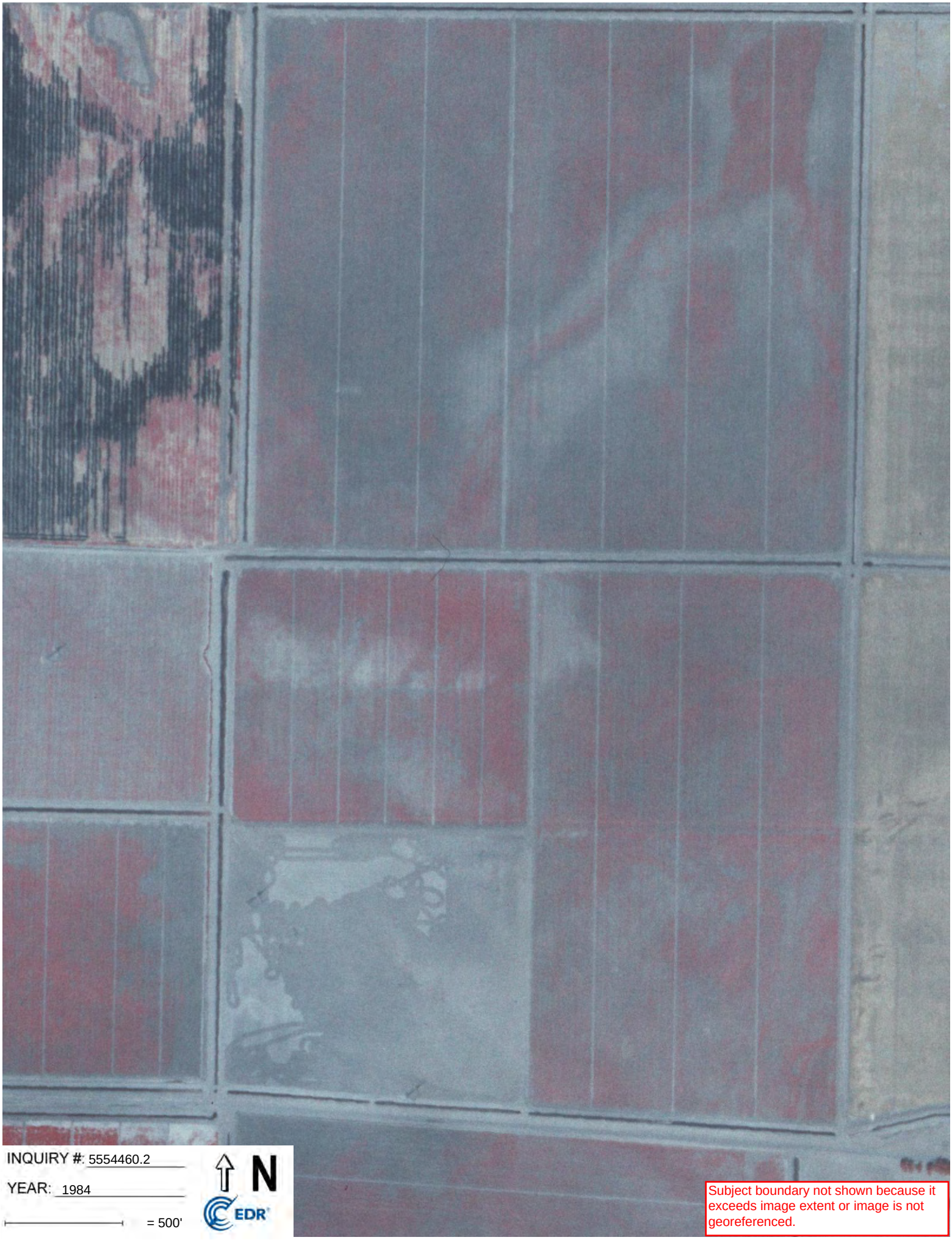
INQUIRY #: 5554460.2
YEAR: 1984
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INQUIRY #: 5554460.2
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Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1984

= 1000'

N

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Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1984

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2
YEAR: 1984
= 1000'
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Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2
YEAR: 1973
= 500'
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INQUIRY #: 5554460.2

YEAR: 1973

= 1000'

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EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1973

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1973

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1973

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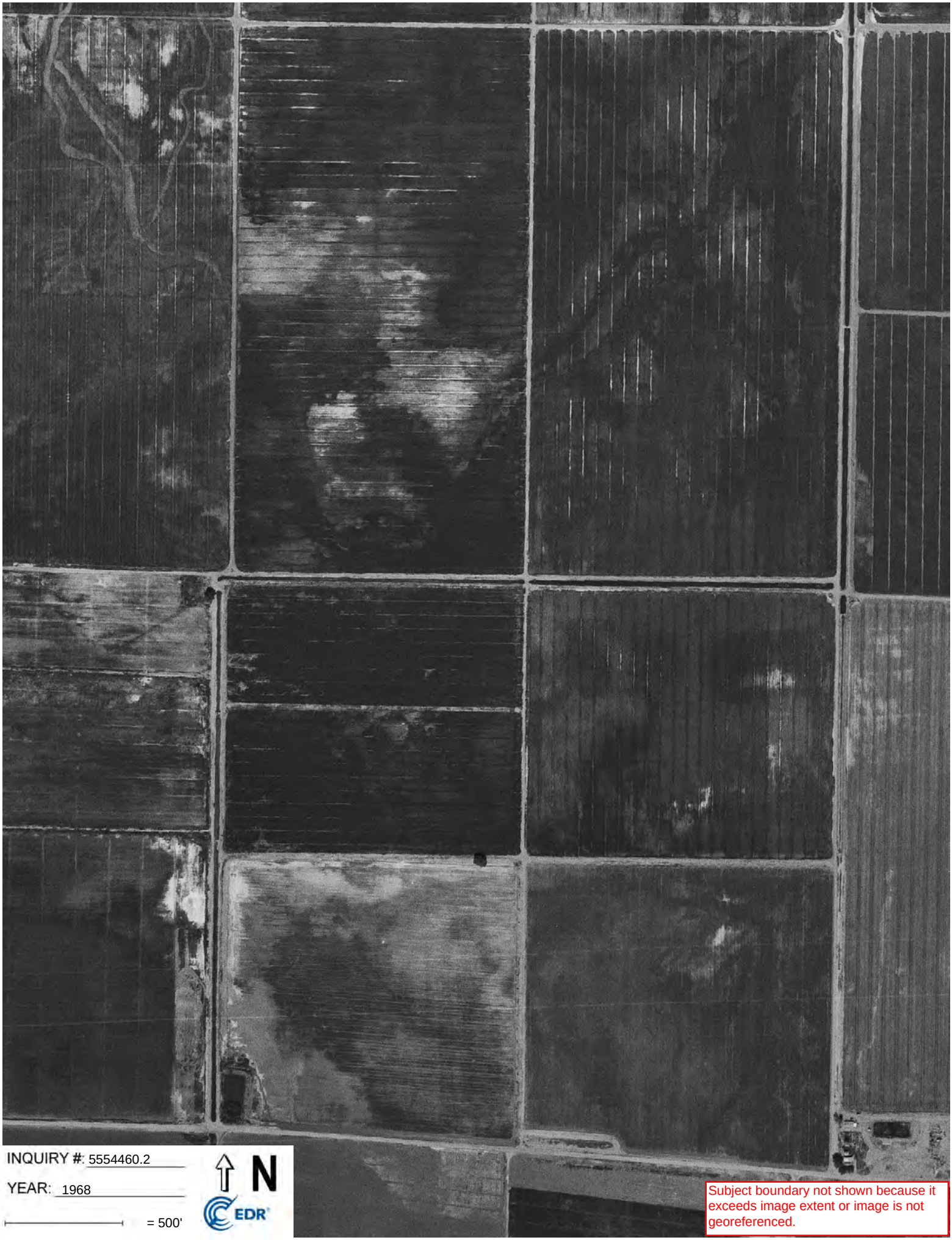

INQUIRY #: 5554460.2

YEAR: 1968

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EDR

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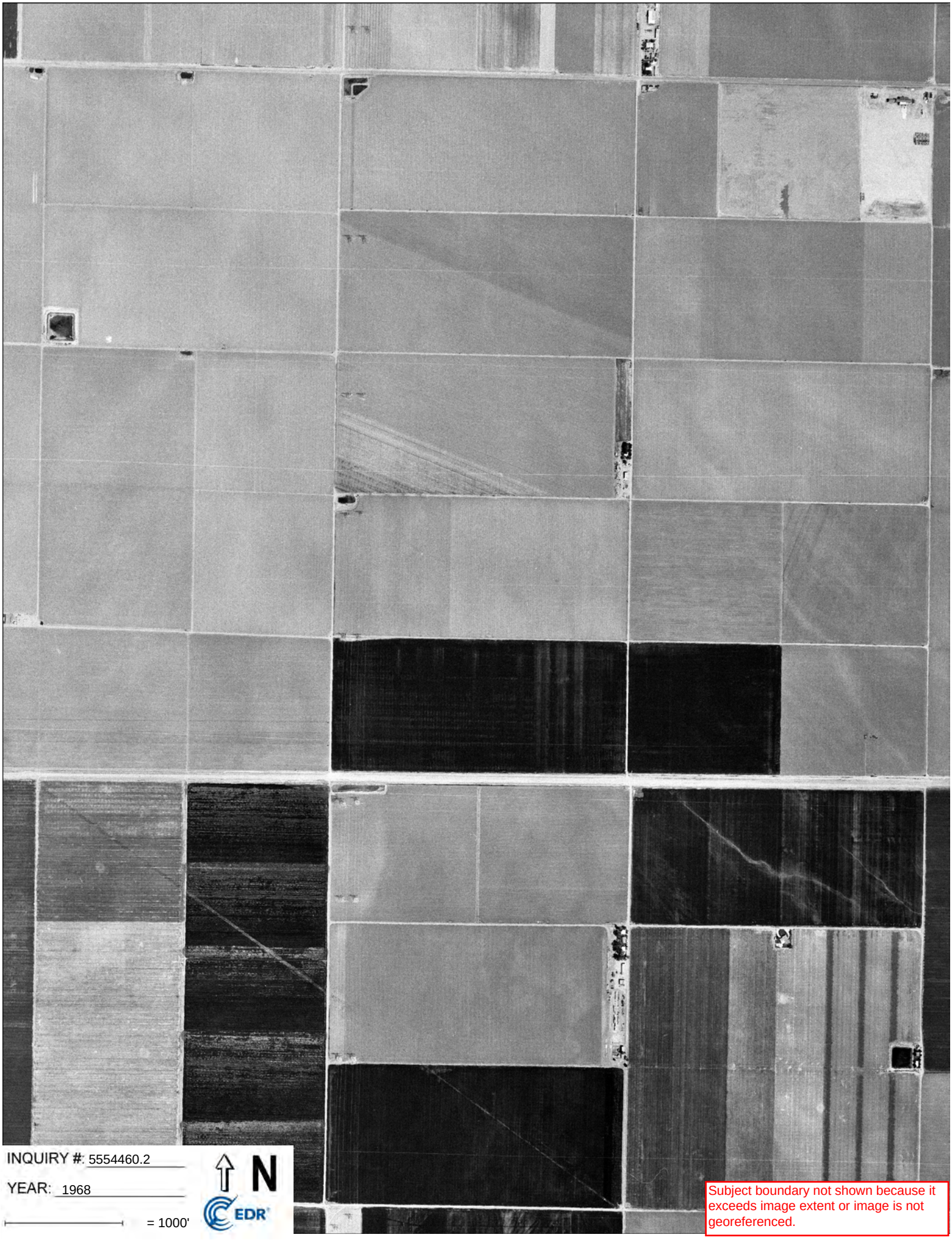

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YEAR: 1968

= 1000'

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EDR

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INQUIRY #: 5554460.2

YEAR: 1968

= 1000'

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EDR

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INQUIRY #: 5554460.2

YEAR: 1968

= 1000'

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EDR

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INQUIRY #: 5554460.2
YEAR: 1968
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EDR
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INQUIRY #: 5554460.2

YEAR: 1956

= 500'

N

EDR

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INQUIRY #: 5554460.2

YEAR: 1956

= 1000'

N

EDR

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INQUIRY #: 5554460.2

YEAR: 1956

= 1000'

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INQUIRY #: 5554460.2

YEAR: 1956

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INQUIRY #: 5554460.2

YEAR: 1956

= 1000'

N

EDR

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INQUIRY #: 5554460.2

YEAR: 1952

= 500'

N

EDR

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INQUIRY #: 5554460.2

YEAR: 1952

= 1000'

N

EDR

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INQUIRY #: 5554460.2

YEAR: 1952

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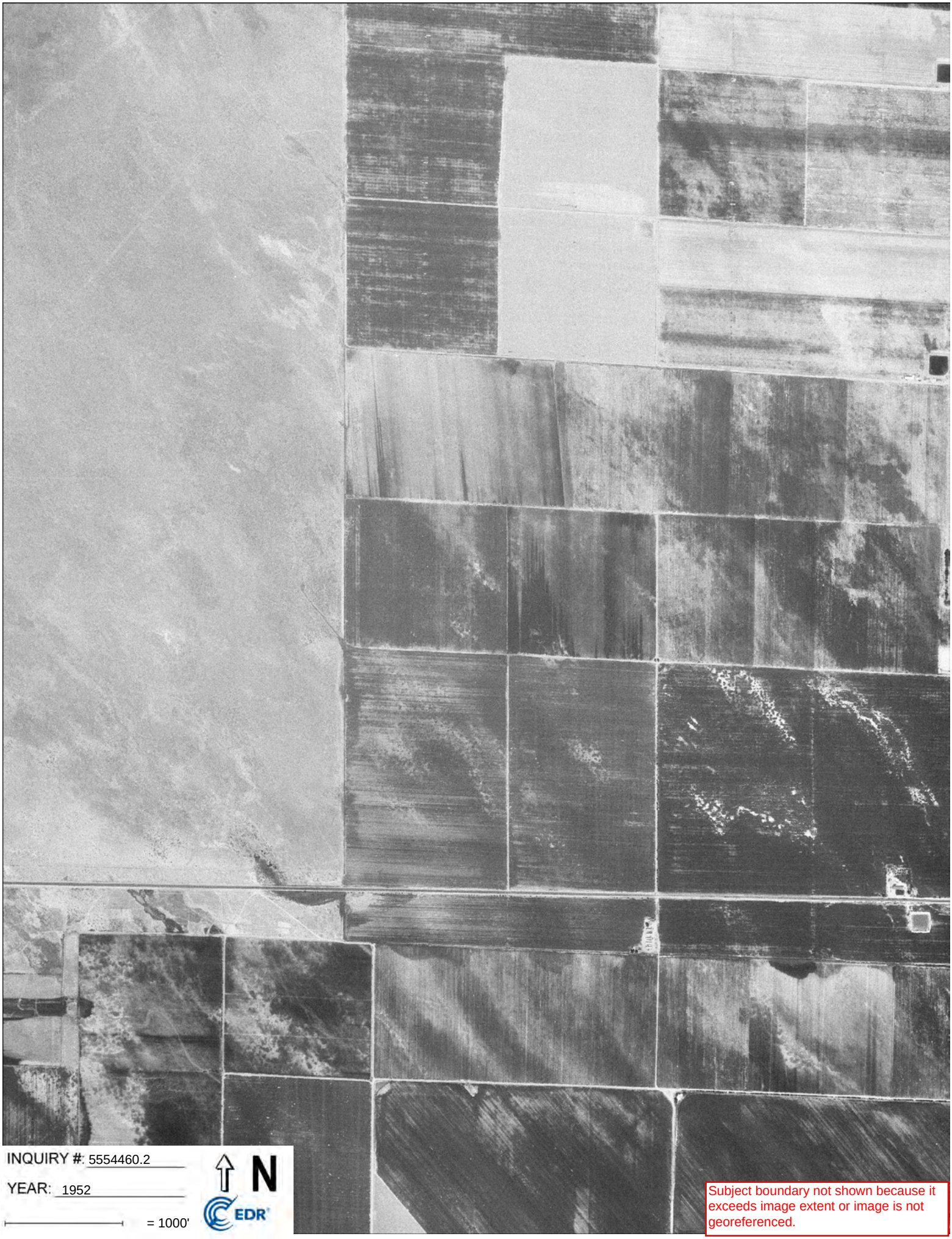

INQUIRY #: 5554460.2

YEAR: 1952

= 1000'

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INQUIRY #: 5554460.2

YEAR: 1952

= 1000'

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EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1942

= 500'

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EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1942

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1942

= 1000'

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EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1942

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EDR

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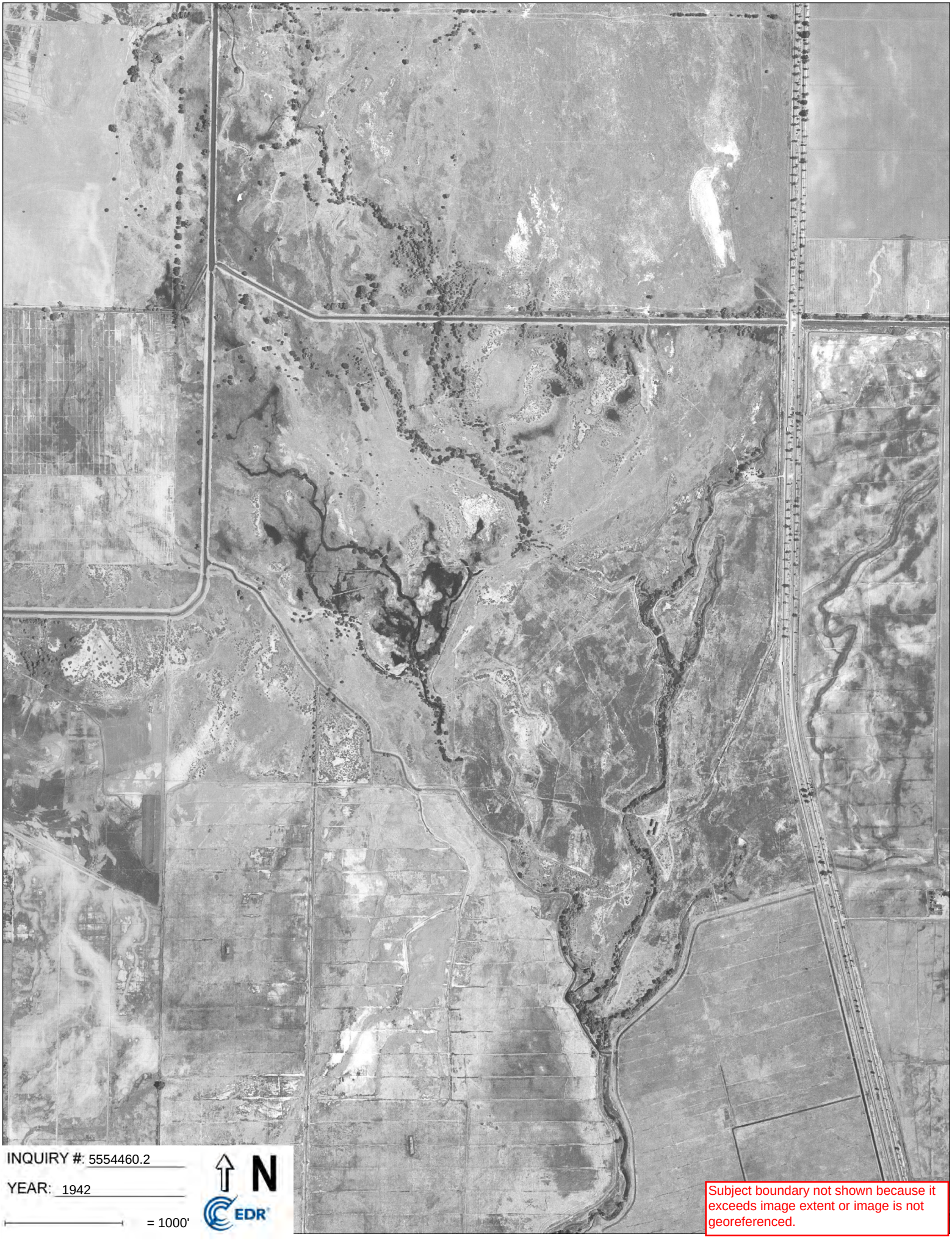

INQUIRY #: 5554460.2

YEAR: 1942

= 1000'

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INQUIRY #: 5554460.2

YEAR: 1937

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1937

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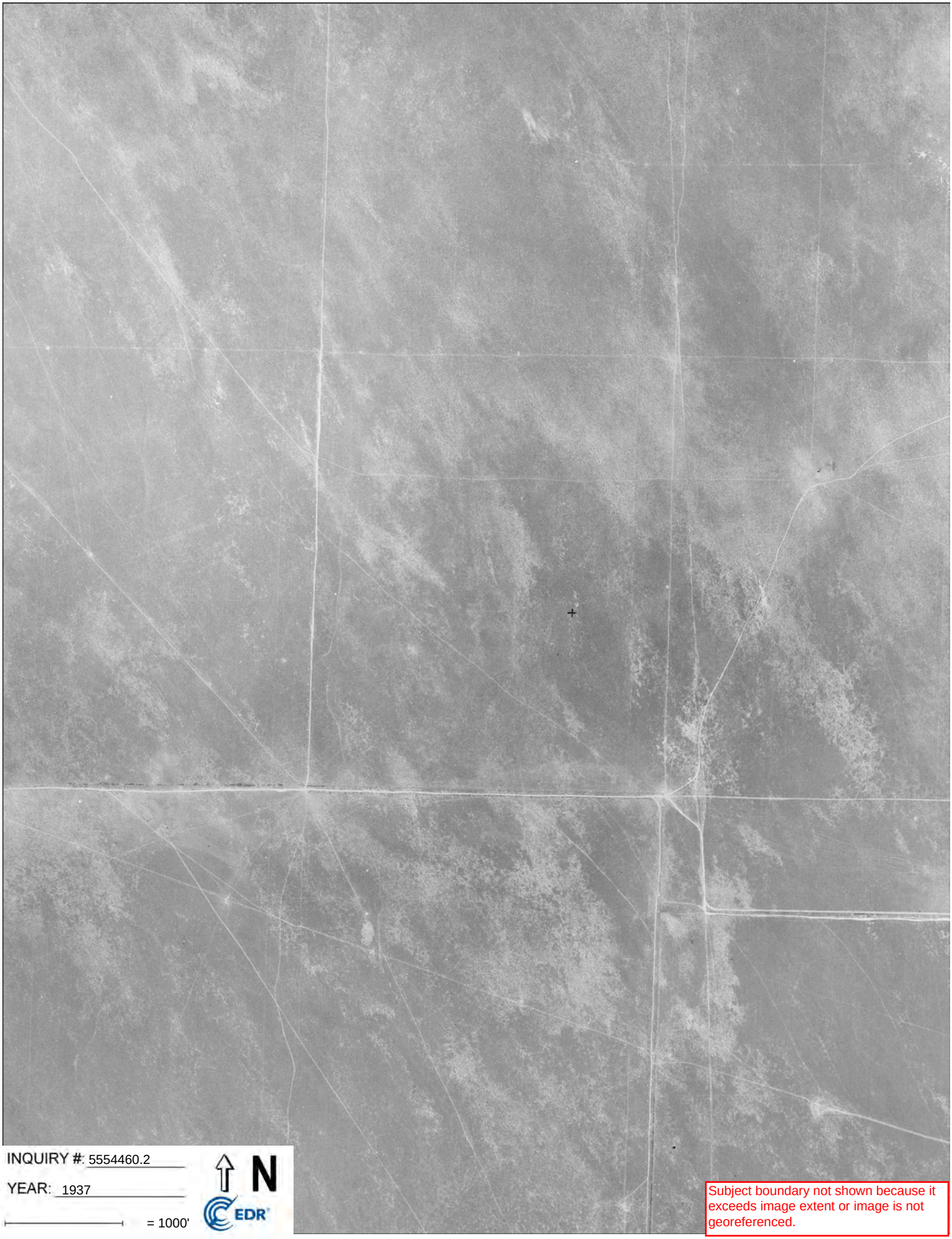

INQUIRY #: 5554460.2

YEAR: 1937

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EDR

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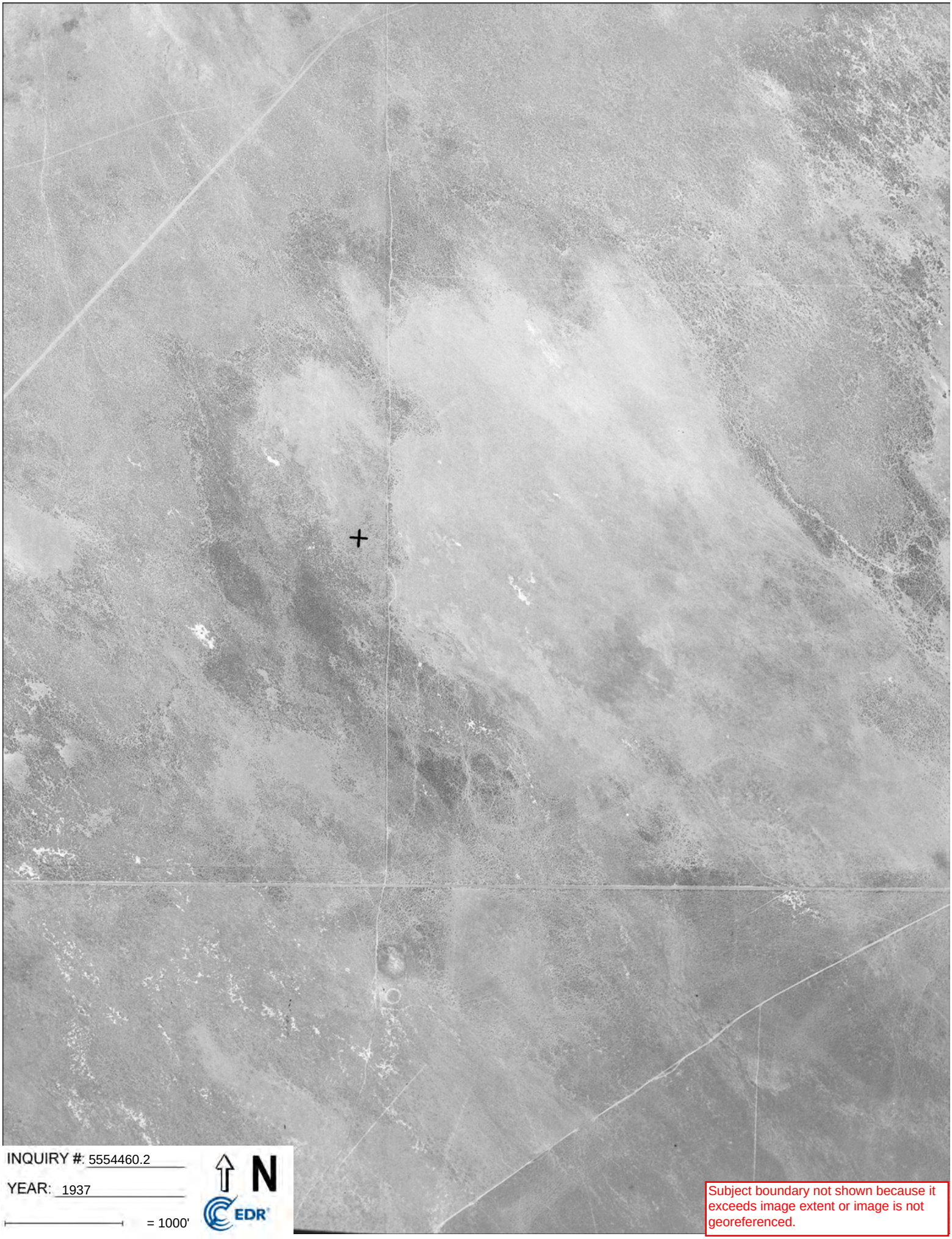

INQUIRY #: 5554460.2

YEAR: 1937

= 1000'

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EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5554460.2

YEAR: 1937

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Sandrini Sol Solar Site
Old River Rd
Bakersfield, CA 93313

Inquiry Number: 6202419.3
September 24, 2020

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

09/24/20

Site Name:

Sandrini Sol Solar Site
Old River Rd
Bakersfield, CA 93313
EDR Inquiry # 6202419.3

Client Name:

KTA Associates, Inc.
800 5th Avenue
Seattle, WA 98104
Contact: Martin Griesse-Nascimento

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by KTA Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 320D-4EC9-9D39

PO # NA

Project EDPR

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 320D-4EC9-9D39

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX C

Property Summary Report - With Interview Notes, Site Visit Notes, Desktop Results and Phase I ESA Findings on a Parcel by Parcel Basis

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-120-15	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-04	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-05	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-07	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-13	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-21	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-26	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He stated that in the southeastern portion of the parcel, there is a dumping area primarily composed of tires, piping, equipment and other inert materials from agricultural and irrigation operations. He was not aware of any significant amounts of hazardous substances or petroleum products in the dump and stated they have never burnt it. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. On the southeastern portion of the parcel, one solid waste disposal area was identified via the drone. It primarily consisted of tires, wood, cement and agricultural and irrigation equipment. Majority of these materials are inert and do not pose a threat to the Site. One 55-gallon drum was identified on this parcel. It is unclear whether it was full or empty but given the excellent condition of the surrounding vegetation, it does not appear to pose a threat to the Site. This de minimis dump does not result in the designation of an REC. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-27	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He stated that in the southwestern portion of the parcel, there is a dumping area primarily composed of tires, piping, equipment and other inert materials from agricultural and irrigation operations. He was not aware of any significant amounts of hazardous substances or petroleum products in the dump and stated they have never burnt it. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. On the southwestern portion of the parcel, one solid waste disposal area was identified via the drone. It primarily consisted of tires, wood, cement and agricultural and irrigation equipment. Majority of these materials are inert and do not pose a threat to the Site. One empty 55-gallon drum that likely contained petroleum products was identified on this parcel. Given that the AST was empty and that the surrounding vegetation was in good condition, it does not appear to pose a threat to the Site. This de minimis dump does not result in the designation of an REC. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-48	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. Currently there are only beekeeping boxes on the Site to harvest honey. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. Adjacent to the north of the northwestern boundary of this parcel, one small solid waste disposal area was identified that extends onto this parcel. Majority of the materials in the dump are inert (i.e. household items, wood, cement); however, two empty rusty 55-gallon were identified. These drums were located approximately 25 feet north of the parcel, not on the Site. Given that only limited amounts of inert materials were on the Site as well as the unlikelihood of the potential contaminants from the 55-gallon drums migrating towards the Site, this does not pose a threat to the Site. No REC is a designated from this dump. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-51	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. Currently there are only beekeeping boxes on the Site to harvest honey. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-52	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-53	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-130-54	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-140-01	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-140-02	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-140-03	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-140-04	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-140-06	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-140-07	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit. However, an area on the southeastern corner had many onions dumped on the ground. The onions were beginning to decompose, but no additional dumping was observed in the area.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-140-08	TBS Properties LLC	Kevin Antongiovanni	661-979-0152	Yes	MGN - 9/24/20 AF - 6/28/21	**Interview Notes for Phase I ESA dated 10/7/2020** Spoke with Mr. Kevin Antongiovanni. Mr. Antongiovanni stated the property has always been used for farming, primarily wheat, cotton and onions, but that in recent years there has been no farming due to the drought in the last decade. He was not aware of any environmental impacts on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Kevin Antongiovanni. No chanages to the property since the last Phase I ESA. The land has been owned by his family for at least 40 years. No additional uses beside agricultural. No knowledge about the previous property owner.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 10/7/2020** The parcel consists of agricultural or vegetated land. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		10/7/2020. New report dated 7/13/2021
295-100-19	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-130-32	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-57	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. The northern portion of the parcel includes a very large empty irrigation pond. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-130-62	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-130-64	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-71	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-050-17	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-130-02	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. He did not have information regarding the former residence and the solid waste on the southwest portion of this parcel. He supported the viewing of this location post Site visit. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel consists of vacant agricultural land with the exception that a former residence and associated outbuildings were located on the southwest portion of this parcel. The residence and outbuildings have now been removed. A solid waste pile including primarily concrete pipes and deminimis quantities of tires, barrels and other largely inert materials is located on the easternmost former residence foundation. Given the inert and deminimis quantity of solid waste and the fact that the solid waste is located on top of a concrete floor or significantly compacted soil, the solid waste pile is not identified as an REC. An empty 200 gallon AST (formerly used to store petroleum) and a trailer home in poor condition are also present at the location of the former residence and outbuildings. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit. The solid waste on the southwestern corner appeared to be unchanged since the last site visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021

PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-81	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-130-83	Maricopa Orchards	Jon Reiter, CEO	559-440-8348	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed on due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
295-130-85	Maricopa Orchards	Jon Reiter, CEO	559-440-8349	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property. This parcel was formerly PIN 295-130-82, but Kern County changed the PIN to the current identifier.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021

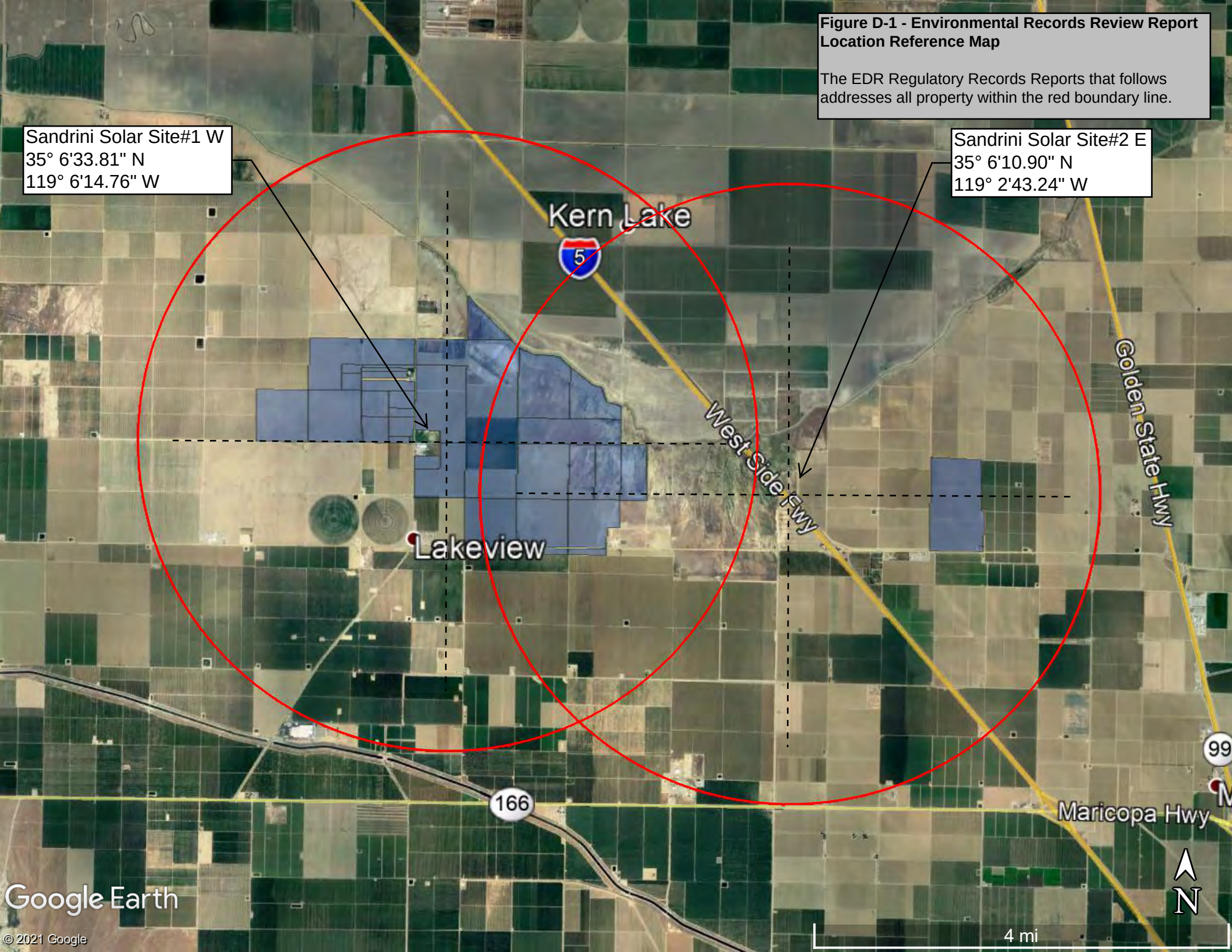
PIN	LANDOWNER	Contact	Phone	Interviewer - Phone Interview Completed (Yes or No)	Date and Name of KTA Interviewer	Interviewer - Landowner General Comments	Structure Number	Landowner - Are you aware of any liens or legal actions against the Site property that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any spills of hazardous materials which have occurred on the Site that could result in a future environmental cleanup? (Yes or No)	Landowner - Are you aware of any other environmental contamination issues within the Site, including landfills or mining activities? (Yes or No)	Landowner - Are you aware of any environmental contamination or activities that might require a clean up on any neighboring properties? (Yes or No)	Landowner - Do you have a Shop with Floor Drain? (Yes, No or unsure)	Landowner - Do you have Under ground Storage Tanks Present? (Yes, No or Unsure)	Landowner - Do you have Aboveground Storage Tanks with over 300 gallons of Liquid Hazardous Materials (does not include petroleum production related activities)? (Yes, No or Unsure)	Parcel subject to interview exception	KTA Site Visit Completed	Site Visit Notes	RECs Identified Via Desktop Phase I ESA (Yes or No)	REC Present (Yes or No or ?)	Parcel Cleared From having RECs with no significant Exceptions?	REC Buffer Zone that if excluded from the parcel will result in the removal of the REC designation (property with the polygon described the coordinates below)	Phase I ESA Date
295-130-86	Maricopa Orchards	Jon Reiter, CEO	559-440-8350	Yes	MGN - 8/23/19. AF - 6/29/21	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Jon Reiter. Mr. Reiter stated that the parcel has always been used for farming, primarily asparagus and carrots. Within the last 5 years, some of the property has not been farmed due to water issues in the region as well as the potential opportunity to develop a solar farm. There are no significant improvements on the Site. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Mr. Jon Reiter. No changes to the property since the last Phase I ESA. Mr. Reiter has managed the land since it was purchased in about 2017. He knew the previous owner well who utilized the property as agricultural land. The previous owner moved to Las Vegas and he does not have contact information. He has no knowledge about any fertilizer mixing on the property. This parcel was formerly PIN 295-130-82, but Kern County changed the PIN to the current identifier.		No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** This parcel either consists of vacant agricultural land or vegetated land with current or historical irrigation ponds scattered throughout the overall project Site. **Site Visit Notes for Phase I ESA dated 7/13/2021** Consistent with the previous Site Visit.	No	No	Yes		8/27/2019. New report dated 7/13/2021
445-062-34	Fry Farms/Fry Family	Colby Fry	661-858-2523, 661-619-5592	Yes	MGN - 2-4-19, AF - 7-1-2021	**Interview Notes for Phase I ESA dated 8/27/2019** Spoke with Colby Fry. This parcel is entirely used for farming. Crops typically include carrots, potatoes and onions on rotation. There are a couple water wells on the property which are all powered by electricity. There are no diesel ASTs on the parcel. **Interview Notes for Phase I ESA dated 7/13/2021** Spoke with Colby Fry. This parcel has primarily remained unchanged agricultural land since his family purchased the land in the 1960's. The previous owner was the first to develop the land as agricultural land and was prairie prior to development. Mr. Fry did not have knowledge about how to contact the previous owner. A residential structure is located on the southwestern corner which was built in the 1980's, and has a propane tank. No additional fuel tanks are located on the parcel. Herbicides, pesticides, and/or fertilizers are added to the irrigation piping at the pumping location on the southwestern corner of the parcel. The substances come in plastic totes and no mixing occurs on the parcel. No large spills have occurred, the products are too expensive. This parcel was formerly PIN 445-062-01, but Kern County changed the PIN to the current identifier.	#1	No	No	No	No	No	No	No	No	Yes	**Site Visit Notes for Phase I ESA dated 8/27/2019** The Site is entirely used for farming. Adjacent to the west of this parcel, there is a large facility which appears to store hazardous materials in bulk. There is a berm outlining the facility which is intended to prevent spills from leaving the facility. However, given the large number of tanks containing hazardous materials and the recorded agency violations, this facility has the potential to have impacted the Site through the migration of contaminated groundwater or surface water. **Site Visit Notes for Phase I ESA dated 7/13/2021** The parcel dimensions were changed by Kern County since the previous Site visit, and now includes a pond and residential structure (Structure #1) on the southeastern corner of the parcel, and a piping storage yard on the east-central portion of the parcel. The residence had a 1,000-gallon propane tank. Additional water pumping equipment (electric) was observed in this portion of the parcel. The piping storage area on the east-central portion of the Site had significant storage of irrigation piping, and a radio tower. Water pumping equipment was located in this area with two plastic totes providing an additive to the irrigation water. The adjacent agricultural fields store mobile fertilizer or watering tanks near the property boundary. The tanks were empty during the Site visit and no evidence of staining or spillage was observed near the tanks. The adjacent bulk storage facility remains REC #1.	Yes - In the EDR Report	Yes	No - REC #1 Present	35° 5'37.99"N, 119° 1'16.43"W; 35° 5'52.60"N, 119° 1'16.67"W; 35° 5'51.70"N, 119° 1'8.69"W; 35° 5'37.92"N, 119° 1'9.26"W 35° 5'37.92"N, 119° 1'9.26"W	8/27/2019. New report dated 7/13/2021

APPENDIX D

Environmental Regulatory Records

Figure D-1 - Environmental Records Review Report
Location Reference Map

The EDR Regulatory Records Reports that follows addresses all property within the red boundary line.



Sandrini Solar Site#1 W
Old River Rd
Bakersfield, CA 93313

Inquiry Number: 6543957.2s
June 18, 2021

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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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), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

OLD RIVER RD
BAKERSFIELD, CA 93313

COORDINATES

Latitude (North):	35.1093920 - 35° 6' 33.81''
Longitude (West):	119.1041000 - 119° 6' 14.76''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	308234.1
UTM Y (Meters):	3887002.2
Elevation:	331 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012
Northeast Map:	5639068 CONNER, CA
Version Date:	2012
Southwest Map:	5639471 CONNER SW, CA
Version Date:	2012
Northwest Map:	5639501 MILLUX, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140617, 20140618
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
OLD RIVER RD
BAKERSFIELD, CA 93313

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	WESTSIDE PARKWAY PHA	MOHAWK ST TRUXTUN AV	CIWQS	Higher	2188, 0.414, WNW
A2	SOUTH VALLEY GINS IN	27300 OLD RIVER ROAD	FINDS	Higher	5099, 0.966, SSW
A3	SOUTH VALLEY GINS IN	27300 OLD RIVER ROAD	CERS	Higher	5099, 0.966, SSW
A4	TEN STAR FARMING	27300 OLD RIVER RD	CUPA Listings, HWTS	Higher	5099, 0.966, SSW
B5	ANDREWSAG INC	13650 COPUS RD	AST	Higher	5473, 1.037, South
B6	ANDREWSAG INC	13650 COPUS RD	FINDS, ECHO	Higher	5473, 1.037, South
B7	ANDREWSAG INC	13650 COPUS	AST	Higher	5473, 1.037, South
B8	RAINBOW RANCH EVAP B	13650 COPUS RD	ENF, WDS, CIWQS, CERS	Higher	5473, 1.037, South
B9	ANDREWSAG INC	13650 COPUS RD	RCRA NonGen / NLR	Higher	5473, 1.037, South
B10	RAINBOW RANCH EVAP B	13650 COPUS	FINDS	Higher	5473, 1.037, South
B11	ANDREWS AG., INC-WEL	13650 COPUS RD.	FINDS	Higher	5473, 1.037, South
B12	ANDREWSAG INC	13650 COPUS RD	CERS TANKS, CUPA Listings, CERS, HWTS	Higher	5473, 1.037, South
C13	PG&E: LAKEVIEW SUBST	COPUS ROAD & SCHALLO	FINDS	Higher	5490, 1.040, South
C14	PG&E LAKEVIEW SUBSTA	COPUS ROAD & SCHALLO	HAZNET, HWTS	Higher	5490, 1.040, South
C15	PG&E: LAKEVIEW SUBST	COPUS ROAD & SCHALLO	CUPA Listings	Higher	5490, 1.040, South
16	ANDREW AGG INC	13533 COPUS RD	HAZNET, HWTS	Higher	5510, 1.044, South
17	EVAPORATION BASIN	COPUS & OLD RIVER RO	WMUDS/SWAT	Higher	5835, 1.105, SSW
D18	SOUTH VALLEY GINS IN	14011 COPUS RD	FINDS	Higher	6766, 1.281, SW
D19	SOUTH VALLEY GINS IN	14011 COPUS RD	CUPA Listings	Higher	6766, 1.281, SW
E20	BORDEAUX 1 31	UNINCORPORATED	NPDES	Higher	6816, 1.291, SW
E21	BORDEAUX 1-31	ON NORTH SIDE OF COP	CERS	Higher	6962, 1.319, SW
F22	WATTS FARMING COMPAN	641 SCHALLOCK RD	FINDS, ECHO	Higher	7926, 1.501, South
F23	WATTS FARMING COMPAN	641 SCHALLOCK RD	RCRA NonGen / NLR	Higher	7926, 1.501, South
G24	CONOCO INC., RIO VIE	OLD RIVER RD (S OF C	FINDS	Higher	8401, 1.591, South
G25	ARCO OIL AND GAS CO.		FINDS	Higher	8401, 1.591, South
26	JD&K FARM	14720 COPUS RD	HAZNET, HWTS	Lower	8703, 1.648, SW
27	CALIFORNIA RESOURCES		UIC	Higher	9373, 1.775, South
H28	JAKOV P. DULCICH AND	14900 COPUS RD	CERS HAZ WASTE, CERS TANKS, CUPA Listings, CERS	Lower	9788, 1.854, SW
H29	JAKOV P. DULCICH AND	14900 COPUS RD	FINDS, ECHO	Lower	9788, 1.854, SW
H30	JAKOV P. DULCICH AND	14900 COPUS RD	AST	Lower	9788, 1.854, SW
H31	JAKOV DULCICH & SONS	14900 COPUS RD	RCRA NonGen / NLR	Lower	9788, 1.854, SW
I32	PRD COTTON OIL CO MA	12112 COPUS ROAD	FINDS	Higher	10043, 1.902, ESE
I33	SKYDIVE SAN JOAQUIN	12112 COPUS RD	CERS TANKS, CUPA Listings, CIWQS, CERS	Higher	10043, 1.902, ESE
I34	ANDERSON CLAYTON-MAR	12112 COPUS ROAD	EMI	Higher	10043, 1.902, ESE
I35	SKY DIVE SAN JOAQUIN	12112 COPUS RD	HAZNET, CERS, HWTS	Higher	10043, 1.902, ESE
36	LAKEVIEW BD	NW/4, NW/4, SEC 20,	SWF/LF, CERS	Lower	10229, 1.937, North
J37	J G BOSWELL COMPANY	27865 ASH RD.	AST	Lower	10320, 1.955, ENE
J38	J G BOSWELL COMPANY	27865 ASH RD.	CERS HAZ WASTE, CERS TANKS, CERS	Lower	10320, 1.955, ENE
J39	J G BOSWELL COMPANY	27865 ASH RD.	FINDS	Lower	10338, 1.958, ENE

MAPPED SITES SUMMARY

Target Property Address:
OLD RIVER RD
BAKERSFIELD, CA 93313

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	J. DULCHICH & SONS	15100 COPUS RD	HAZNET, HWTS	Lower	11039, 2.091, WSW
K41	CALIFORNIA RESOURCES	28 OF T12N R21W	CUPA Listings, CERS	Lower	11095, 2.101, WSW
L42	REYNOLD METTLER FARM	1466 SCHALLOCK RD	FINDS	Higher	11849, 2.244, South
L43	LANDMARK FRUIT COMPA	1466 SCHALLOCK RD	CUPA Listings, CERS	Higher	11849, 2.244, South
44	CALIFORNIA RESOURCES		UIC	Higher	12818, 2.428, SSW
M45	TIME ROOM	1/2 MI. SO. OF HERRI	RMP	Lower	13544, 2.565, NE
M46	TIME ROOM	1/2 MI. SO. OF HERRI	FINDS	Lower	13544, 2.565, NE
47	FIELD STORAGE	1/2 MI. SO. OF HERRI	RMP	Lower	14045, 2.660, NE
N48	TAFT MANUFACTURING L	19815 SOUTH LAKE ROA	CIWQS	Lower	14286, 2.706, SW
N49	TAFT MANUFACTURING L	19815 SOUTH LAKE ROA	CHMIRS, EMI, NPDES, WDS, CERS	Lower	14286, 2.706, SW
50	STURGEON SERVICES IN	11164 COPUS ROAD	FINDS	Lower	15051, 2.851, ESE
O51	KERN COUNTY RANCH -	27865 ASH ROAD	RMP	Lower	15244, 2.887, NE
O52	KERN COUNTY RANCH -	27865 ASH ROAD	FINDS	Lower	15244, 2.887, NE
P53	SATTAR SLAUGHTERHOUS	15751 COPUS	CERS	Lower	15272, 2.892, WSW
P54	SATTAR SLAUGHTERHOUS	15751 COPUS	FINDS	Lower	15272, 2.892, WSW

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-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

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

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 leaking storage tank lists

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

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

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
PFAS ---- PFAS Contamination Site Location Listing

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
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

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
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites

LEAD SMELTERS - Lead Smelter Sites
US AIRS - Aerometric Information Retrieval System Facility Subsystem
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
Cortese - "Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS - Cleaner Facilities
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
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
Notify 65 - Proposition 65 Records
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
HWTS - Hazardous Waste Tracking System
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical 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 landfill and/or solid waste disposal site lists

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

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 3 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAKEVIEW BD	***NW/4, NW/4, SEC 20,***	***N 1 - 2 (1.937 mi.)***	***36***	***60***
Database: SWF/LF (SWIS), Date of Government Version: 02/08/2021 Facility ID: 15-CR-0014 Operational Status: Closed Regulation Status: Pre-regulation				

State and tribal registered storage tank lists

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANDREWSAG INC Database: AST, Date of Government Version: 07/06/2016	13650 COPUS RD	S 1 - 2 (1.037 mi.)	B5	11
ANDREWSAG INC Database: AST, Date of Government Version: 07/06/2016	13650 COPUS	S 1 - 2 (1.037 mi.)	B7	12

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND Database: AST, Date of Government Version: 07/06/2016	14900 COPUS RD	SW 1 - 2 (1.854 mi.)	H30	49
J G BOSWELL COMPANY Database: AST, Date of Government Version: 07/06/2016	27865 ASH RD.	ENE 1 - 2 (1.955 mi.)	J37	63

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVAPORATION BASIN	COPUS & OLD RIVER RO	SSW 1 - 2 (1.105 mi.)	17	30

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/20/2021 has revealed that there are 2 CERS HAZ WASTE sites within approximately 3 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND	***14900 COPUS RD***	***SW 1 - 2 (1.854 mi.)***	***H28***	***42***
J G BOSWELL COMPANY	***27865 ASH RD.***	***ENE 1 - 2 (1.955 mi.)***	***J38***	***64***

Local Lists of Registered Storage Tanks

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 4 CERS TANKS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANDREWSAG INC	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B12***	***20***
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***ESE 1 - 2 (1.902 mi.)***	***I33***	***53***

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND	***14900 COPUS RD***	***SW 1 - 2 (1.854 mi.)***	***H28***	***42***
J G BOSWELL COMPANY	***27865 ASH RD.***	***ENE 1 - 2 (1.955 mi.)***	***J38***	***64***

Records of Emergency Release Reports

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

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 CHMIRS site within approximately 3 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TAFT MANUFACTURING L	***19815 SOUTH LAKE ROA***	***SW >2 (2.706 mi.)***	***N49***	***95***
OES Incident Number: 12-4597				
OES Incident Number: 13-2112				
OES Incident Number: 20-0433				

Other Ascertainable Records

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANDREWSAG INC	13650 COPUS RD	S 1 - 2 (1.037 mi.)	B9	17
EPA ID:: CAL000337712				
WATTS FARMING COMPAN	641 SCHALLOCK RD	S 1 - 2 (1.501 mi.)	F23	37
EPA ID:: CAL000412690				

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV DULCICH & SONS	14900 COPUS RD	SW 1 - 2 (1.854 mi.)	H31	50
EPA ID:: CAL000413948				

RMP: 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.

A review of the RMP list, as provided by EDR, and dated 01/22/2021 has revealed that there are 3 RMP

sites within approximately 3 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TIME ROOM	1/2 MI. SO. OF HERRI	NE >2 (2.565 mi.)	M45	82
FIELD STORAGE	1/2 MI. SO. OF HERRI	NE >2 (2.660 mi.)	47	92
KERN COUNTY RANCH -	27865 ASH ROAD	NE >2 (2.887 mi.)	O51	112

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/03/2021 has revealed that there are 17 FINDS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTH VALLEY GINS IN Registry ID:: 110001197017	27300 OLD RIVER ROAD	SSW 1/2 - 1 (0.966 mi.)	A2	9
ANDREWSAG INC Registry ID:: 110066747514	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B6***	***11***
RAINBOW RANCH EVAP B Registry ID:: 110066621560	13650 COPUS	S 1 - 2 (1.037 mi.)	B10	19
ANDREWS AG., INC-WEL	13650 COPUS RD.	S 1 - 2 (1.037 mi.)	B11	19
PG&E: LAKEVIEW SUBST Registry ID:: 110057103744	COPUS ROAD & SCHALLO	S 1 - 2 (1.040 mi.)	C13	26
SOUTH VALLEY GINS IN Registry ID:: 110065694760	14011 COPUS RD	SW 1 - 2 (1.281 mi.)	D18	31
WATTS FARMING COMPAN Registry ID:: 110070418583	***641 SCHALLOCK RD***	***S 1 - 2 (1.501 mi.)***	***F22***	***36***
CONOCO INC., RIO VIE Registry ID:: 110013947104	OLD RIVER RD (S OF C	S 1 - 2 (1.591 mi.)	G24	39
ARCO OIL AND GAS CO. Registry ID:: 110017433785		S 1 - 2 (1.591 mi.)	G25	40
PRD COTTON OIL CO MA Registry ID:: 110013832567	12112 COPUS ROAD	ESE 1 - 2 (1.902 mi.)	I32	53
REYNOLD METTLER FARM Registry ID:: 110066264358	1466 SCHALLOCK RD	S >2 (2.244 mi.)	L42	77

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND Registry ID:: 110059756946	***14900 COPUS RD***	***SW 1 - 2 (1.854 mi.)***	***H29***	***49***
J G BOSWELL COMPANY Registry ID:: 110065525051	27865 ASH RD.	ENE 1 - 2 (1.958 mi.)	J39	71
TIME ROOM	1/2 MI. SO. OF HERRI	NE >2 (2.565 mi.)	M46	91

Registry ID:: 110023011033				
STURGEON SERVICES IN Registry ID:: 110070344680	11164 COPUS ROAD	ESE >2 (2.851 mi.)	50	112
KERN COUNTY RANCH - Registry ID:: 110062901123	27865 ASH ROAD	NE >2 (2.887 mi.)	O52	143
SATTAR SLAUGHTERHOUS Registry ID:: 110065236462	15751 COPUS	WSW >2 (2.892 mi.)	P54	144

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

A review of the ECHO list, as provided by EDR, and dated 01/02/2021 has revealed that there are 3 ECHO sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANDREWSAG INC Registry ID: 110066747514	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B6***	***11***
WATTS FARMING COMPAN Registry ID: 110070418583	***641 SCHALLOCK RD***	***S 1 - 2 (1.501 mi.)***	***F22***	***36***

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND Registry ID: 110059756946	***14900 COPUS RD***	***SW 1 - 2 (1.854 mi.)***	***H29***	***49***

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 8 CUPA Listings sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEN STAR FARMING Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***27300 OLD RIVER RD***	***SSW 1/2 - 1 (0.966 mi.)***	***A4***	***10***
ANDREWSAG INC Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B12***	***20***
PG&E: LAKEVIEW SUBST Database: KERN CO CUPA, Date of Government Version: 10/29/2020	COPUS ROAD & SCHALLO	S 1 - 2 (1.040 mi.)	C15	28
SOUTH VALLEY GINS IN Database: KERN CO CUPA, Date of Government Version: 10/29/2020	14011 COPUS RD	SW 1 - 2 (1.281 mi.)	D19	32
SKYDIVE SAN JOAQUIN Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***12112 COPUS RD***	***ESE 1 - 2 (1.902 mi.)***	***I33***	***53***
LANDMARK FRUIT COMPA Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***1466 SCHALLOCK RD***	***S >2 (2.244 mi.)***	***L43***	***77***

Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***14900 COPUS RD***	***SW 1 - 2 (1.854 mi.)***	***H28***	***42***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA RESOURCES	***28 OF T12N R21W***	***WSW >2 (2.101 mi.)***	***K41***	***75***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				

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

A review of the EMI list, as provided by EDR, and dated 12/31/2018 has revealed that there are 2 EMI sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANDERSON CLAYTON-MAR	12112 COPUS ROAD	ESE 1 - 2 (1.902 mi.)	I34	57
Facility Id: 1354				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TAFT MANUFACTURING L	***19815 SOUTH LAKE ROA***	***SW >2 (2.706 mi.)***	***N49***	***95***
Facility Id: 1633				

ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the ENF list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 ENF site within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAINBOW RANCH EVAP B	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B8***	***13***
Status: Historical				
Status: Historical				
Facility Id: 251503				

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2019 has revealed that there are 5 HAZNET sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PG&E LAKEVIEW SUBSTA	***COPUS ROAD & SCHALLO***	***S 1 - 2 (1.040 mi.)***	***C14***	***26***
GEPAID: CAC002841028				
ANDREW AGG INC	***13533 COPUS RD***	***S 1 - 2 (1.044 mi.)***	***16***	***29***
GEPAID: CAC002601345				
SKY DIVE SAN JOAQUIN	***12112 COPUS RD***	***ESE 1 - 2 (1.902 mi.)***	***I35***	***59***

GEPAID: CAC002634415

Lower Elevation	Address	Direction / Distance	Map ID	Page
JD&K FARM GEPAID: CAL000352083	***14720 COPUS RD***	***SW 1 - 2 (1.648 mi.)***	***26***	***40***
J. DULCHICH & SONS GEPAID: CAC002742665	***15100 COPUS RD***	***WSW >2 (2.091 mi.)***	***K40***	***71***

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 02/08/2021 has revealed that there are 2 NPDES sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BORDEAUX 1 31	UNINCORPORATED	SW 1 - 2 (1.291 mi.)	E20	32

Lower Elevation	Address	Direction / Distance	Map ID	Page
TAFT MANUFACTURING L Facility Status: Active	***19815 SOUTH LAKE ROA***	***SW >2 (2.706 mi.)***	***N49***	***95***

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

A review of the UIC list, as provided by EDR, and dated 03/08/2021 has revealed that there are 2 UIC sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA RESOURCES		S 1 - 2 (1.775 mi.)	27	42
CALIFORNIA RESOURCES		SSW >2 (2.428 mi.)	44	81

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 2 WDS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAINBOW RANCH EVAP B Facility Status: A Facility Id: 5D155003001	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B8***	***13***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TAFT MANUFACTURING L Facility Status: A Facility Id: 5C15NC00007	***19815 SOUTH LAKE ROA***	***SW >2 (2.706 mi.)***	***N49***	***95***

EXECUTIVE SUMMARY

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 11/30/2020 has revealed that there are 4 CIWQS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTSIDE PARKWAY PHA	MOHAWK ST TRUXTUN AV	WNW 1/4 - 1/2 (0.414 mi.)	1	9
RAINBOW RANCH EVAP B	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B8***	***13***
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***ESE 1 - 2 (1.902 mi.)***	***I33***	***53***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TAFT MANUFACTURING L	19815 SOUTH LAKE ROA	SW >2 (2.706 mi.)	N48	95

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 13 CERS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTH VALLEY GINS IN	27300 OLD RIVER ROAD	SSW 1/2 - 1 (0.966 mi.)	A3	10
RAINBOW RANCH EVAP B	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B8***	***13***
ANDREWSAG INC	***13650 COPUS RD***	***S 1 - 2 (1.037 mi.)***	***B12***	***20***
BORDEAUX 1-31	ON NORTH SIDE OF COP	SW 1 - 2 (1.319 mi.)	E21	34
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***ESE 1 - 2 (1.902 mi.)***	***I33***	***53***
SKY DIVE SAN JOAQUIN	***12112 COPUS RD***	***ESE 1 - 2 (1.902 mi.)***	***I35***	***59***
LANDMARK FRUIT COMPA	***1466 SCHALLOCK RD***	***S >2 (2.244 mi.)***	***L43***	***77***

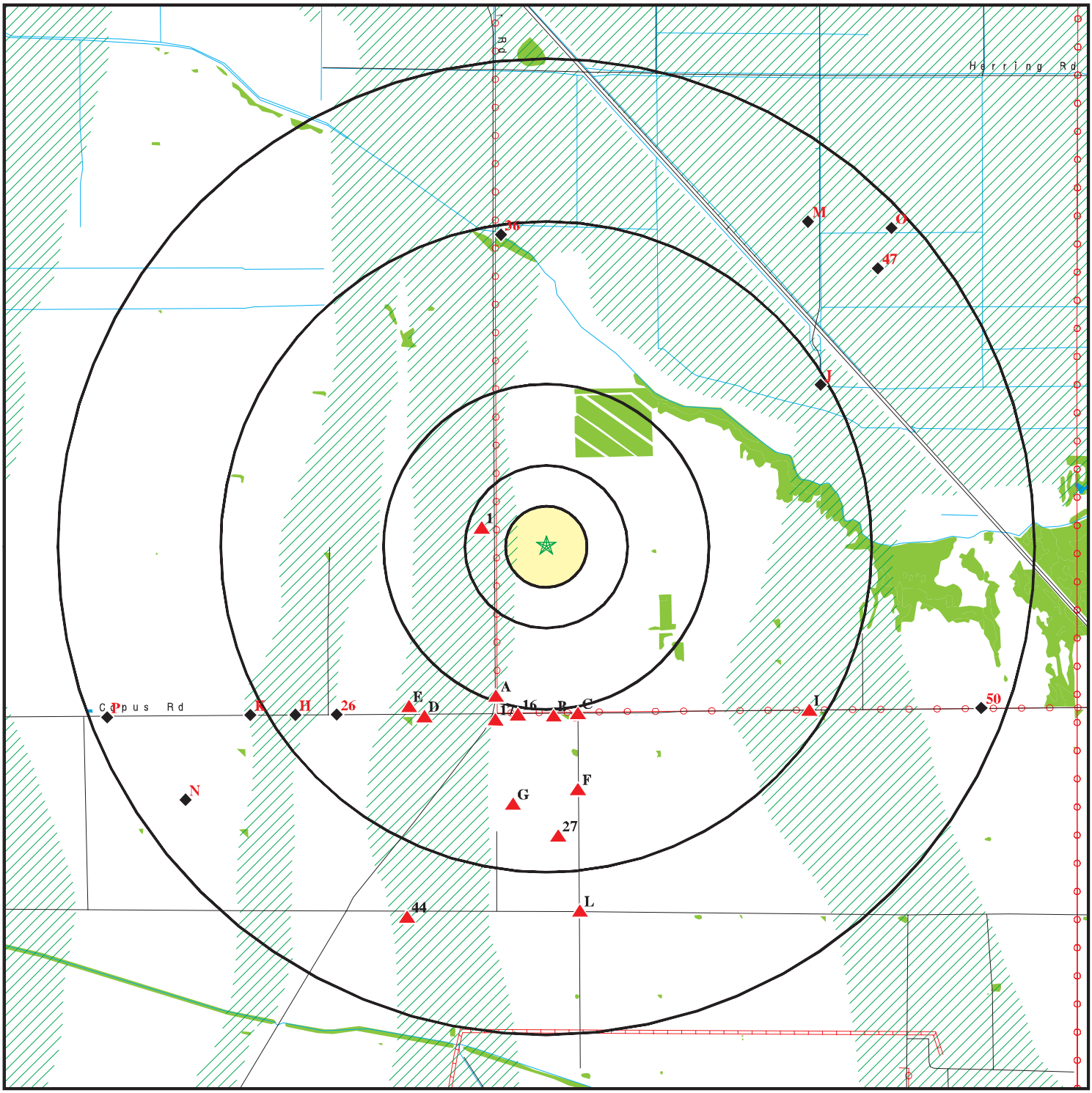
Lower Elevation	Address	Direction / Distance	Map ID	Page
JAKOV P. DULCICH AND	***14900 COPUS RD***	***SW 1 - 2 (1.854 mi.)***	***H28***	***42***
LAKEVIEW BD	***NW/4, NW/4, SEC 20,***	***N 1 - 2 (1.937 mi.)***	***36***	***60***
J G BOSWELL COMPANY	***27865 ASH RD.***	***ENE 1 - 2 (1.955 mi.)***	***J38***	***64***
CALIFORNIA RESOURCES	***28 OF T12N R21W***	***WSW >2 (2.101 mi.)***	***K41***	***75***
TAFT MANUFACTURING L	***19815 SOUTH LAKE ROA***	***SW >2 (2.706 mi.)***	***N49***	***95***
SATTAR SLAUGHTERHOUS	15751 COPUS	WSW >2 (2.892 mi.)	P53	144

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

Site Name	Database(s)
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL

OVERVIEW MAP - 6543957.2S



0 3/4 1 1/2 3 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
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- 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:	Sandrini Solar Site#1 W	CLIENT:	KTA Associates, Inc.
ADDRESS:	Old River Rd Bakersfield CA 93313	CONTACT:	Martin Griesse-Nascimento
LAT/LONG:	35.109392 / 119.1041	INQUIRY #:	6543957.2s
		DATE:	June 18, 2021 3:11 pm

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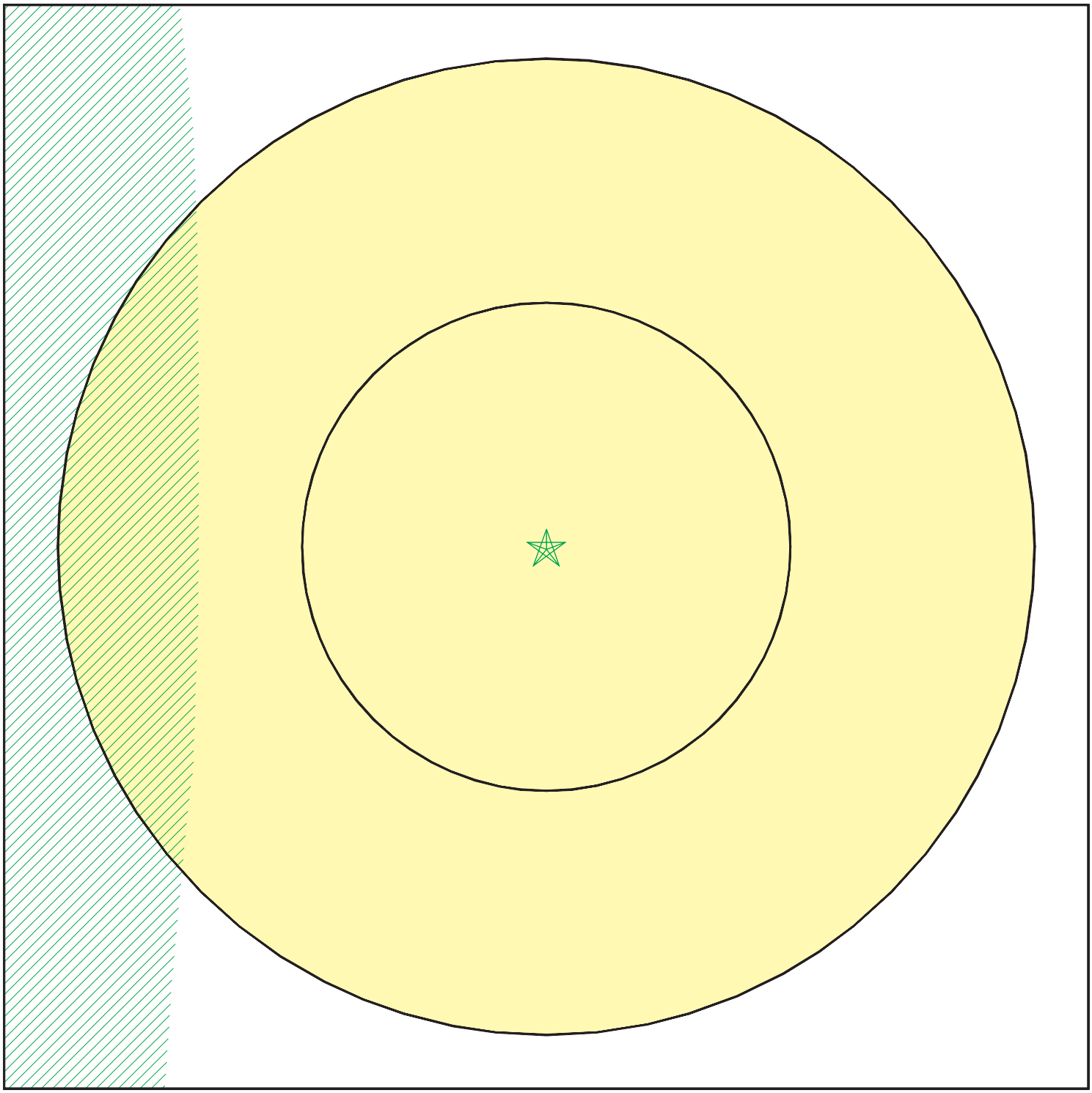
DETAIL MAP - 6543957.2S



- 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
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Concern

N

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:	Sandrini Solar Site#1 W	CLIENT:	KTA Associates, Inc.
ADDRESS:	Old River Rd Bakersfield CA 93313	CONTACT:	Martin Griesse-Nascimento
LAT/LONG:	35.109392 / 119.1041	INQUIRY #:	6543957.2s
		DATE:	June 18, 2021 3:13 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	3.000		0	0	0	0	0	0
Proposed NPL	3.000		0	0	0	0	0	0
NPL LIENS	3.000		0	0	0	0	0	0
Federal Delisted NPL site list								
Delisted NPL	3.000		0	0	0	0	0	0
Federal CERCLIS list								
FEDERAL FACILITY	3.000		0	0	0	0	0	0
SEMS	3.000		0	0	0	0	0	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	3.000		0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
CORRACTS	3.000		0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	3.000		0	0	0	0	0	0
Federal RCRA generators list								
RCRA-LQG	3.000		0	0	0	0	0	0
RCRA-SQG	3.000		0	0	0	0	0	0
RCRA-VSQG	3.000		0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
LUCIS	3.000		0	0	0	0	0	0
US ENG CONTROLS	3.000		0	0	0	0	0	0
US INST CONTROLS	3.000		0	0	0	0	0	0
Federal ERNS list								
ERNS	3.000		0	0	0	0	0	0
State- and tribal - equivalent NPL								
RESPONSE	3.000		0	0	0	0	0	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	3.000		0	0	0	0	0	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	3.000		0	0	0	0	1	1
State and tribal leaking storage tank lists								
LUST	3.000		0	0	0	0	0	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	3.000		0	0	0	0	0	0
DEED	3.000		0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS	3.000		0	0	0	0	0	0
CHMIRS	3.000		0	0	0	0	1	1
LDS	3.000		0	0	0	0	0	0
MCS	3.000		0	0	0	0	0	0
SPILLS 90	3.000		0	0	0	0	0	0
Other Ascertainable Records								
RCRA NonGen / NLR	3.000		0	0	0	0	3	3
FUDS	3.000		0	0	0	0	0	0
DOD	3.000		0	0	0	0	0	0
SCRD DRYCLEANERS	3.000		0	0	0	0	0	0
US FIN ASSUR	3.000		0	0	0	0	0	0
EPA WATCH LIST	3.000		0	0	0	0	0	0
2020 COR ACTION	3.000		0	0	0	0	0	0
TSCA	3.000		0	0	0	0	0	0
TRIS	3.000		0	0	0	0	0	0
SSTS	3.000		0	0	0	0	0	0
ROD	3.000		0	0	0	0	0	0
RMP	3.000		0	0	0	0	3	3
RAATS	3.000		0	0	0	0	0	0
PRP	3.000		0	0	0	0	0	0
PADS	3.000		0	0	0	0	0	0
ICIS	3.000		0	0	0	0	0	0
FTTS	3.000		0	0	0	0	0	0
MLTS	3.000		0	0	0	0	0	0
COAL ASH DOE	3.000		0	0	0	0	0	0
COAL ASH EPA	3.000		0	0	0	0	0	0
PCB TRANSFORMER	3.000		0	0	0	0	0	0
RADINFO	3.000		0	0	0	0	0	0
HIST FTTS	3.000		0	0	0	0	0	0
DOT OPS	3.000		0	0	0	0	0	0
CONSENT	3.000		0	0	0	0	0	0
INDIAN RESERV	3.000		0	0	0	0	0	0
FUSRAP	3.000		0	0	0	0	0	0
UMTRA	3.000		0	0	0	0	0	0
LEAD SMELTERS	3.000		0	0	0	0	0	0
US AIRS	3.000		0	0	0	0	0	0
US MINES	3.000		0	0	0	0	0	0
ABANDONED MINES	3.000		0	0	0	0	0	0
FINDS	3.000		0	0	0	1	16	17
UXO	3.000		0	0	0	0	0	0
DOCKET HWC	3.000		0	0	0	0	0	0
ECHO	3.000		0	0	0	0	3	3
FUELS PROGRAM	3.000		0	0	0	0	0	0
CA BOND EXP. PLAN	3.000		0	0	0	0	0	0
Cortese	3.000		0	0	0	0	0	0
CUPA Listings	3.000		0	0	0	1	7	8

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
DRYCLEANERS	3.000		0	0	0	0	0	0
EMI	3.000		0	0	0	0	2	2
ENF	3.000		0	0	0	0	1	1
Financial Assurance	3.000		0	0	0	0	0	0
HAZNET	3.000		0	0	0	0	5	5
ICE	3.000		0	0	0	0	0	0
HIST CORTESE	3.000		0	0	0	0	0	0
HWP	3.000		0	0	0	0	0	0
HWT	3.000		0	0	0	0	0	0
MINES	3.000		0	0	0	0	0	0
MWMP	3.000		0	0	0	0	0	0
NPDES	3.000		0	0	0	0	2	2
PEST LIC	3.000		0	0	0	0	0	0
PROC	3.000		0	0	0	0	0	0
Notify 65	3.000		0	0	0	0	0	0
UIC	3.000		0	0	0	0	2	2
UIC GEO	3.000		0	0	0	0	0	0
WASTEWATER PITS	3.000		0	0	0	0	0	0
WDS	3.000		0	0	0	0	2	2
WIP	3.000		0	0	0	0	0	0
MILITARY PRIV SITES	3.000		0	0	0	0	0	0
PROJECT	3.000		0	0	0	0	0	0
WDR	3.000		0	0	0	0	0	0
CIWQS	3.000		0	0	1	0	3	4
CERS	3.000		0	0	0	1	12	13
NON-CASE INFO	3.000		0	0	0	0	0	0
OTHER OIL GAS	3.000		0	0	0	0	0	0
PROD WATER PONDS	3.000		0	0	0	0	0	0
SAMPLING POINT	3.000		0	0	0	0	0	0
WELL STIM PROJ	3.000		0	0	0	0	0	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	3.000		0	0	0	0	0	0
EDR Hist Auto	3.000		0	0	0	0	0	0
EDR Hist Cleaner	3.000		0	0	0	0	0	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	3.000		0	0	0	0	0	0
RGA LUST	3.000		0	0	0	0	0	0
- Totals --		0	0	0	1	3	74	78

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
WNW
1/4-1/2
0.414 mi.
2188 ft.

WESTSIDE PARKWAY PHASE 4
MOHAWK ST TRUXTUN AVE
BAKERSFIELD, CA 93301

CIWQS **S111216878**
N/A

Relative:
Higher

Actual:
334 ft.

CIWQS:

Name:	WESTSIDE PARKWAY PHASE 4
Address:	MOHAWK ST TRUXTUN AVE
City,State,Zip:	BAKERSFIELD, CA 93301
Agency:	City of Bakersfield
Agency Address:	900 Truxtun Ave Suite 200, Bakersfield, CA 93301
Place/Project Type:	Construction - Transportation
SIC/NAICS:	Not reported
Region:	5F
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	5F15C360449
NPDES Number:	CAS000002
Adoption Date:	01/01/1900
Effective Date:	02/23/2011
Termination Date:	11/01/2013
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.11111
Longitude:	-119.11111

A2
SSW
1/2-1
0.966 mi.
5099 ft.

SOUTH VALLEY GINS INC
27300 OLD RIVER ROAD
BAKERSFIELD, CA 93311

Site 1 of 3 in cluster A

FINDS **1004441880**
N/A

Relative:
Higher

Actual:
370 ft.

FINDS:
Registry ID: 110001197017

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A3
SSW
1/2-1
0.966 mi.
5099 ft.

SOUTH VALLEY GINS INC
27300 OLD RIVER ROAD
BAKERSFIELD, CA 93311

Site 2 of 3 in cluster A

CERS **S123529370**
N/A

Relative:
Higher

Actual:
370 ft.

CERS:

Name:	SOUTH VALLEY GINS INC
Address:	27300 OLD RIVER ROAD
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	495272
CERS ID:	110001197017
CERS Description:	US EPA Air Emission Inventory System (EIS)

A4
SSW
1/2-1
0.966 mi.
5099 ft.

TEN STAR FARMING
27300 OLD RIVER RD
BAKERSFIELD, CA 93313

Site 3 of 3 in cluster A

CUPA Listings **S124610885**
HWTS **N/A**

Relative:
Higher

Actual:
370 ft.

KERN CO CUPA:

Facility ID:	FA0031735
CERS ID:	10662412
Name:	SOUTH VALLEY GRAIN
Address:	27300 OLD RIVER RD
Address 2:	27300 Old River Rd
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	9/30
Current Inspection Date:	09/01/2016
Employee:	Elfstrom
Mailing Address:	27300 Old River Road
Mailing Address 2:	Not reported
Mailing City:	Bakersfield
Mailing State:	CA
Mailing Zip:	93311

HWTS:

Name:	TEN STAR FARMING
Address:	27300 OLD RIVER RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
EPA ID:	CAC002682304
Inactive Date:	06/19/2012
Create Date:	12/21/2011
Last Act Date:	12/21/2011
Mailing Name:	Not reported
Mailing Address:	10457 VAN HORN RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 93313
Owner Name:	TEN STAR FARMING
Owner Address:	10457 VAN HORN RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 93313
Contact Name:	KEVIN GIOVONNI
Contact Address:	10457 VAN HORN RD
Contact Address 2:	Not reported

TEN STAR FARMING (Continued) **S124610885**

City,State,Zip: BAKERSFIELD, CA 93313

B5 **ANDREWSAG INC** **AST** **A100417147**
South **13650 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.037 mi.
5473 ft. **Site 1 of 8 in cluster B**

Relative:
Higher

Actual:
370 ft.

AST:

Name:	ANDREWSAG INC
Address:	13650 COPUS RD
City/Zip:	BAKERSFIELD,93313
Certified Unified Program Agencies:	Not reported
Owner:	ANDREWS AG INC
Total Gallons:	Not reported
CERSID:	10232170
Facility ID:	Not reported
Business Name:	ANDREWSAG INC
Phone:	(661) 858-2266
Fax:	(661) 858-2965
Mailing Address:	13650 COPUS RD
Mailing Address City:	BAKERSFIELD
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	MICHAEL ANDREWS
Operator Phone:	(661) 978-2500
Owner Phone:	(661) 858-2266
Owner Mail Address:	13650 COPUS RD
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Michael Andrews
Property Owner Phone:	661-978-2500
Property Owner Mailing Address:	13650 Copus Road
Property Owner City:	Bakersfield
Property Owner Stat :	CA
Property Owner Zip Code:	93313
Property Owner Country:	United States
EPAID:	CAL000212628

B6 **ANDREWSAG INC** **FINDS** **1023376571**
South **13650 COPUS RD** **ECHO** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.037 mi.
5473 ft. **Site 2 of 8 in cluster B**

Relative:
Higher

Actual:
370 ft.

FINDS:

Registry ID: 110066747514

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

ANDREWSAG INC (Continued) **1023376571**

corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023376571
Registry ID:	110066747514
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110066747514
Name:	ANDREWSAG INC
Address:	13650 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313

B7 **ANDREWSAG INC** **AST** **A100340100**
South **13650 COPUS** **N/A**
> 1 **BAKERSFIELD, CA**
1.037 mi.
5473 ft. **Site 3 of 8 in cluster B**

Relative:
Higher

Actual:
370 ft.

AST:

Name:	ANDREWSAG INC
Address:	13650 COPUS
City/Zip:	BAKERSFIELD,
Certified Unified Program Agencies:	Kern
Owner:	ANDREWS AG INC
Total Gallons:	7,750
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

B8 **RAINBOW RANCH EVAP BASIN** **ENF** **S102003561**
South **13650 COPUS RD** **WDS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CIWQS**
1.037 mi. **CERS**
5473 ft. **Site 4 of 8 in cluster B**

Relative:
Higher

Actual:
370 ft.

ENF:

Name:	RAINBOW RANCH EVAP BASIN
Address:	13650 COPUS
City,State,Zip:	BAKERSFIELD, CA
Region:	Not reported
Facility Id:	251503
Agency Name:	Rainbow Ranches Inc
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Agricultural
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.094503
Place Longitude:	-119.108933
SIC Code 1:	191
SIC Desc 1:	General Farms, Primarily Crop
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDR
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	5D155003001
Reg Measure Id:	145042
Reg Measure Type:	WDR
Region:	Not reported
Order #:	93-154
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical

RAINBOW RANCH EVAP BASIN (Continued) **S102003561**

Status Date:	12/28/2005
Effective Date:	08/06/1993
Expiration/Review Date:	08/05/1998
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	223551
Region:	Not reported
Order / Resolution Number:	94-510
Enforcement Action Type:	Admin Civil Liability
Effective Date:	04/22/1994
Adoption/Issuance Date:	04/22/1994
Achieve Date:	Not reported
Termination Date:	04/01/1995
ACL Issuance Date:	03/08/1994
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLO 94-510 for Rainbow Ranches, Inc Evaporation Basin
Description:	$25,000 ACLO settles $25,000 ACLC 94-115 issued for failure to submit WMP, requires $5000 by 5/23/94 and suspends $20000 pending WMP completion by 4/1/95. Discharger complete WMP and paid $5,000 on 5/26/94.
Program:	WDR
Latest Milestone Completion Date:	4/1/1995
# Of Programs1:	1
Total Assessment Amount:	25000
Initial Assessed Amount:	25000
Liability $ Amount:	5000
Project $ Amount:	20000
Liability $ Paid:	5000
Project $ Completed:	20000
Total $ Paid/Completed Amount:	25000

WDS:

Name:	RAINBOW RANCH EVAP BASIN
Address:	13650 COPUS RD
City:	BAKERSFIELD
Facility ID:	Tulare Lake 155003001
Facility Type:	Agricultural - Facility that treats and/or disposes of the wastes associated with confined and concentrated animal feeding, confined animal feeding, confined animal holding, confined and concentrated aquatic animal production facilities, and aquaculture. the treatment and/or disposal of agricultural return water is included in this category.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	Not reported

RAINBOW RANCH EVAP BASIN (Continued) **S102003561**

Facility Contact:	FRED ANDREWS
Agency Name:	RAINBOW RANCHES INC
Agency Address:	13650 COPUS RD
Agency City,St,Zip:	BAKERSFIELD 933139636
Agency Contact:	FRED ANDREWS
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	191
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	MISCEL
Waste Type2:	Not reported
Waste2:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS:

Name:	RAINBOW RANCH EVAP BASIN
Address:	13650 COPUS
City,State,Zip:	BAKERSFIELD, CA 93313
Agency:	Rainbow Ranches Inc
Agency Address:	13650 Copus Road, Bakersfield, CA 93313-9636
Place/Project Type:	Other
SIC/NAICS:	191
Region:	5F
Program:	WDR
Regulatory Measure Status:	Historical
Regulatory Measure Type:	WDR
Order Number:	93-154
WDID:	5D155003001
NPDES Number:	Not reported
Adoption Date:	08/06/1993
Effective Date:	08/06/1993

RAINBOW RANCH EVAP BASIN (Continued) **S102003561**

Termination Date:	01/01/1900
Expiration/Review Date:	08/05/1998
Design Flow:	0
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.094503
Longitude:	-119.108933

CERS:

Name:	RAINBOW RANCH EVAP BASIN
Address:	13650 COPUS
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	347338
CERS ID:	251503
CERS Description:	Waste Discharge Requirements

Violations:

Site ID:	347338
Site Name:	Rainbow Ranch Evap Basin
Violation Date:	12-05-1996
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	DISCHARGE OUTSIDE OF PERMITTED AREA. FAILURE TO REPORT OVERFLOW IN A TIMELY MANNER. HOWEVER, CORRECTIVE MEASURES HAVE BEEN IMPLEMENTED - LEVEE RECONSTRUCTION AND DRAINAGE REDUCTION.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Site ID:	347338
Site Name:	Rainbow Ranch Evap Basin
Violation Date:	11-21-1994
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	APPARENT DISCHARGE OUTSIDE EVAPORATION BASIN. FAILURE TO CONTAIN WASTE WITHIN DISPOSAL AREA SPECIFIED IN FINDING NO. 2 OF WDR 93-154. VIOLATION OF DISCHARGE SPEC B.1 OF WDR 93-154.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Enforcement Action:

Site ID:	347338
Site Name:	Rainbow Ranch Evap Basin
Site Address:	13650 COPUS
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	04-22-1994
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS

B9 **ANDREWSAG INC** **RCRA NonGen / NLR** **1024821565**
South **13650 COPUS RD** **CAL000337712**
> 1 **BAKERSFIELD, CA 93313**
1.037 mi.
5473 ft. **Site 5 of 8 in cluster B**

Relative: **Higher**

Actual: **370 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2008-11-04 00:00:00.0
Handler Name:	ANDREWSAG INC	
Handler Address:		13650 COPUS RD
Handler City,State,Zip:		BAKERSFIELD, CA 93313-9676
EPA ID:		CAL000337712
Contact Name:		MICHAEL ANDREWS/CEO
Contact Address:		13650 COPUS ROAD
Contact City,State,Zip:		BAKERSFIELD, CA 93313
Contact Telephone:		661-858-2266
Contact Fax:		661-858-2965
Contact Email:		ANDREWSAG@MSN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		13650 COPUS RD
Mailing City,State,Zip:		BAKERSFIELD, CA 93313-9676
Owner Name:		ANDREWSAG INC
Owner Type:		Other
Operator Name:		MICHAEL ANDREWS/CEO
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

ANDREWSAG INC (Continued) **1024821565**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:30:47.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ANDREWSAG INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13650 COPUS RD
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93313-9676
Owner/Operator Telephone:	661-858-2266
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHAEL ANDREWS/CEO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13650 COPUS ROAD
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93313
Owner/Operator Telephone:	661-858-2266
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ANDREWSAG INC (Continued) **1024821565**

Historic Generators:
Receive Date: 2008-11-04 00:00:00.0
Handler Name: ANDREWSAG INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B10 **RAINBOW RANCH EVAP BASIN** **FINDS** **1023364694**
South **13650 COPUS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.037 mi.
5473 ft. **Site 6 of 8 in cluster B**

Relative: **Higher**

FINDS:
Registry ID: 110066621560

Actual: **370 ft.**

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B11 **ANDREWS AG., INC-WELL 01 - CL2** **FINDS** **1026381424**
South **13650 COPUS RD.** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.037 mi.
5473 ft. **Site 7 of 8 in cluster B**

Relative: **Higher**

FINDS:
Registry ID: 110067299024

Actual: **370 ft.**

Click Here:

Environmental Interest/Information System:
WATER TREATMENT PLANT

ANDREWS AG., INC-WELL 01 - CL2 (Continued) **1026381424**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B12 **ANDREWSAG INC** **CERS TANKS** **S124874196**
South **13650 COPUS RD** **CUPA Listings** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CERS**
1.037 mi. **HWTS**
5473 ft. **Site 8 of 8 in cluster B**

Relative: Higher
Actual: 370 ft.

CERS TANKS:
Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Address: 13650 COPUS RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 561022
CERS ID: 10232170
CERS Description: Aboveground Petroleum Storage

KERN CO CUPA:
Facility ID: FA0001254
CERS ID: 10232170
Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Address: 13650 COPUS RD
Address 2: 13650 COPUS RD
City,State,Zip: BAKERSFIELD, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: 2/28
Current Inspection Date: 04/01/2021
Employee: Elfstrom
Mailing Address: 13650 COPUS RD
Mailing Address 2: Not reported
Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 93313

CERS:
Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Address: 13650 COPUS RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 561022
CERS ID: 10232170
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 561022
Site Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Violation Date: 01-20-2017
Citation: 19 CCR 4.5 2745.10(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.10(b)
Violation Description: Failure to revise, update, and submit the Risk Management Plan to the Administering Agency as follows: 1. At least once every five years from the date of its initial submission or most recent update required by section 2745.10(b)(2) through (7); 2. No later than three years after a newly regulated substance is first listed by the California Emergency Management Agency; 3. No later than the date on which on which a new regulated substance is first present in an already covered

ANDREWSAG INC (Continued) **S124874196**

process above a threshold quantity; 4. No later than the date on which a regulated substance is first present above a threshold quantity in a new process; 5. Within six months of a change that requires a revised process hazard analysis or hazard Review. 6. Within six months of a change that requires a revised offsite consequence analysis as provided in section 2750.7; 7. Within six months of a change that alters the program level that applied to any covered process.

Violation Notes: Returned to compliance on 07/06/2017.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ANDREWS
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Andrewsag
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

ANDREWSAG INC (Continued) **S124874196**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-24-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2019
Violations Found: No

ANDREWSAG INC (Continued) **S124874196**

Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-08-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	All chemicals have been removed from the site and all violations have been closed.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-11-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Maintain the accumulation start dates on the hazardous waste containers.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-11-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Resubmit the Hazardous Materials Business Plan and use March as the annual resubmittal date.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-23-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

Enforcement Action:

Site ID:	561022
Site Name:	MARICOPA ORCHARDS, LLC - LAKEVIEW
Site Address:	13650 COPUS RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	09-13-2017
Enf Action Type:	AEO - Unified Program
Enf Action Description:	Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:	Fines/Penalties Assessed: $1,000.00.
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	CalARP

ANDREWSAG INC (Continued) **S124874196**

Enf Action Source: CERS

Coordinates:
Site ID: 561022
Facility Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Env Int Type Code: APSA
Program ID: 10232170
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.095830
Longitude: -119.103000

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13650 COPUS RD
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93313
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Esmeralda Hernandez
Entity Title: Safety Compliance
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 858-2881

Affiliation Type Desc: Parent Corporation
Entity Name: MARICOPA ORCHARDS LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: ESMERALDA HERNANDEZ
Entity Title: Not reported

ANDREWSAG INC (Continued) **S124874196**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: ESMERALDA HERNANDEZ
Entity Title: Not reported
Affiliation Address: 13650 COPUS RD
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93313
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: MARICOPA ORCHARDS, LLC - LAKEVIEW
Entity Title: Not reported
Affiliation Address: 13650 COPUS RD
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (661) 858-2881

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

HWTS:
Name: ANDREWSAG INC
Address: 13650 COPUS RD
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 933139676
EPA ID: CAL000337712
Inactive Date: 06/30/2019
Create Date: 11/04/2008
Last Act Date: 10/08/2019
Mailing Name: Not reported
Mailing Address: 13650 COPUS RD
Mailing Address 2: Not reported
Mailing City,State,Zip: BAKERSFIELD, CA 933139676
Owner Name: ANDREWSAG INC
Owner Address: 13650 COPUS RD
Owner Address 2: Not reported
Owner City,State,Zip: BAKERSFIELD, CA 933139676
Contact Name: MARINA QUINTANA
Contact Address: 13650 COPUS ROAD

ANDREWSAG INC (Continued) **S124874196**

Contact Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 93313

NAICS:
EPA ID: CAL000337712
Create Date: 2008-11-04 14:33:03.930
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 2008-11-04 14:33:03.91300
Inactive Date: 2019-06-30 00:00:00
Facility Name: ANDREWSAG INC
Facility Address: 13650 COPUS RD
Facility Address 2: Not reported
Facility City: BAKERSFIELD
Facility County: Not reported
Facility State: CA
Facility Zip: 933139676

C13 **PG&E: LAKEVIEW SUBSTATION** **FINDS** **1016717428**
South **COPUS ROAD & SCHALLOCK ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.040 mi.
5490 ft. **Site 1 of 3 in cluster C**

Relative:
Higher

Actual:
364 ft.

FINDS:
Registry ID: 110057103744

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C14 **PG&E LAKEVIEW SUBSTATION** **HAZNET** **S120987409**
South **COPUS ROAD & SCHALLOCK ROAD,** **HWTS** **N/A**
> 1 **BAKERSFIELD, CA 93311**
1.040 mi.
5490 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
364 ft.

HAZNET:
Name: PG&E LAKEVIEW SUBSTATION
Address: COPUS ROAD & SCHALLOCK ROAD,
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 93311
Contact: LEAH UPCHURCH
Telephone: 2093239617
Mailing Name: Not reported
Mailing Address: PO BOX 7640

Year: 2016
Gepaid: CAC002841028
TSD EPA ID: ORQ000026715
CA Waste Code: 731 - Liquids with polychloronated biphenyls >= 50 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

PG&E LAKEVIEW SUBSTATION (Continued) **S120987409**

Tons:	0.29754

Additional Info:

Year:	2016
Gen EPA ID:	CAC002841028
Shipment Date:	20151229
Creation Date:	10/13/2016 18:31:25
Receipt Date:	20160116
Manifest ID:	008701209JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ORD000026715
Trans Name:	TRANSFORMER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.80226
Waste Quantity:	728
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	9/27/2016 18:31:13
Receipt Date:	20150104
Manifest ID:	014902013JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000510479
Trans Name:	ARIZONA WASTE OIL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	7.6
Waste Quantity:	2000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PG&E LAKEVIEW SUBSTATION (Continued) **S120987409**

HWTS:

Name:	PG&E LAKEVIEW SUBSTATION
Address:	COPUS ROAD & SCHALLOCK ROAD,
Address 2:	BAKERSFIELD
City,State,Zip:	BAKERSFIELD, CA 93311
EPA ID:	CAC002841028
Inactive Date:	03/12/2016
Create Date:	12/11/2015
Last Act Date:	08/31/2017
Mailing Name:	Not reported
Mailing Address:	PO BOX 7640
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN FRANCISCO, CA 941207640
Owner Name:	PACIFIC GAS & ELECTRIC
Owner Address:	PO BOX 7640
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN FRANCISCO, CA 941207640
Contact Name:	LEAH UPCHURCH
Contact Address:	12626 JACKSON GATE RD
Contact Address 2:	Not reported
City,State,Zip:	JACKSON, CA 95642

NAICS:

EPA ID:	CAC002841028
Create Date:	2015-12-11 12:07:17.777
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	2015-12-11 12:07:17.78700
Inactive Date:	2016-03-12 03:00:32.99700
Facility Name:	PG&E LAKEVIEW SUBSTATION
Facility Address:	COPUS ROAD & SCHALLOCK ROAD,
Facility Address 2:	BAKERSFIELD
Facility City:	BAKERSFIELD
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93311

C15 **PG&E: LAKEVIEW SUBSTATION** **CUPA Listings** **S126202367**
South **COPUS ROAD & SCHALLOCK ROAD** **N/A**
> 1 **BAKERSFIELD, CA**
1.040 mi.
5490 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
364 ft.

KERN CO CUPA:

Facility ID:	FA0004028
CERS ID:	10147409
Name:	PG&E: LAKEVIEW SUBSTATION
Address:	COPUS ROAD & SCHALLOCK ROAD
Address 2:	Copus Road & Schallock Road
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN MED LOW RISK 1 UNIT
Program Element Code:	CB2T
HMIRRP Due Date:	7/31
Current Inspection Date:	06/01/2022
Employee:	Elfstrom
Mailing Address:	PO Box 7640

PG&E: LAKEVIEW SUBSTATION (Continued) **S126202367**

Mailing Address 2:	Not reported
Mailing City:	San Francisco
Mailing State:	CA
Mailing Zip:	94120

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16 **ANDREW AGG INC** **HAZNET** **S112952046**
South **13533 COPUS RD** **HWTS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.044 mi.
5510 ft.

Relative: **Higher**

Actual: **373 ft.**

HAZNET:

Name:	ANDREW AGG INC
Address:	13533 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
Contact:	MICHAEL ANDREWS
Telephone:	6619782500
Mailing Name:	Not reported
Mailing Address:	13650 COPUS RD
Year:	2006
Gepaid:	CAC002601345
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	25.284

Additional Info:

Year:	2006
Gen EPA ID:	CAC002601345
Shipment Date:	20060412
Creation Date:	7/27/2006 18:35:54
Receipt Date:	20060413
Manifest ID:	23789253
Trans EPA ID:	CAL000027542
Trans Name:	ABATECO
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	25.284
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ANDREW AGG INC (Continued) **S112952046**

HWTS:

Name:	ANDREW AGG INC
Address:	13533 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
EPA ID:	CAC002601345
Inactive Date:	09/11/2006
Create Date:	03/14/2006
Last Act Date:	10/31/2006
Mailing Name:	Not reported
Mailing Address:	13650 COPUS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 93313
Owner Name:	ANDREW AGG INC
Owner Address:	13650 COPUS RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 93313
Contact Name:	MICHAEL ANDREWS
Contact Address:	13650 COPUS RD
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313

---

17 **EVAPORATION BASIN** **WMUDS/SWAT** **S103443123**
SSW **COPUS & OLD RIVER ROAD** **N/A**
> 1 **BAKERSFIELD ,CA, CA**
1.105 mi.
5835 ft.

Relative:
Higher

Actual:
377 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Primary Waste:	MISCEL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	CHEVRON LAND & DEVELOPMENT CO.
Agency Department:	Not reported
Agency Address:	P.O. BOX 5545
Agency City,St,Zip:	BAKERSFIELD ,CA 93388
Agency Contact:	A. J. MAYHALL

EVAPORATION BASIN (Continued) **S103443123**

Agency Telephone:	8053923311
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	5F
Facility Type:	Agricultural - Facility that treats and/or disposes of the wastes associated with confined and concentrated animal feeding, confined animal feeding, confined animal holding, confined and concentrated aquatic animal production facilities, and aquaculture. the treatment and/or disposal of agricultural return water is included in this category.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	0191
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Sub Chapter 15:	True
Regional Board Project Officer:	ALT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	No Reporting Requirements
Waste Discharge System ID:	5D155005001
Solid Waste Information ID:	Not reported

D18 **SOUTH VALLEY GINS INC -LAKEVIEW MODULE YARD** **FINDS** **1023278968**
SW **14011 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.281 mi.
6766 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
384 ft.

FINDS:
Registry ID: 110065694760

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D19 **SOUTH VALLEY GINS INC -LAKEVIEW MODULE YARD** **CUPA Listings** **S126202861**
SW **14011 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA**
1.281 mi.
6766 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
384 ft.

KERN CO CUPA:

Facility ID:	FA0035029
CERS ID:	10237924
Name:	SOUTH VALLEY GINS INC -LAKEVIEW MODULE YARD
Address:	14011 COPUS RD
Address 2:	14011 COPUS RD
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	6/30
Current Inspection Date:	08/01/2016
Employee:	Elfstrom
Mailing Address:	9759 VALPREDO RD
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93313-9660

E20 **BORDEAUX 1 31** **NPDES** **S121451377**
SW **UNINCORPORATED** **N/A**
> 1 **MARICOPA, CA 93252**
1.291 mi.
6816 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
383 ft.

NPDES:

Name:	BORDEAUX 1 31
Address:	UNINCORPORATED
City,State,Zip:	MARICOPA, CA 93252
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5F15W003499
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	09/01/2018
Operator Name:	Grapevine Energy LLC
Operator Address:	5300 Office Center Court
Operator City:	Bakersfield
Operator State:	California

BORDEAUX 1 31 (Continued) **S121451377**

Operator Zip:	93309
NPDES as of 03/2018:	
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	5F
Regulatory Measure ID:	494752
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5F15W003499
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/01/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Grapevine Energy LLC
Discharge Address:	5300 Office Center Court
Discharge City:	Bakersfield
Discharge State:	California
Discharge Zip:	93309
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

BORDEAUX 1 31 (Continued) **S121451377**

Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

E21 **BORDEAUX 1-31** **CERS** **S123102265**
SW **ON NORTH SIDE OF COPUS RD, 1/2 MI WEST OF CORNER OF COPUS/OL** **N/A**
> 1 **BAKERSFIELD, CA 93311**
1.319 mi.
6962 ft. **Site 2 of 2 in cluster E**

Relative: **Higher**

Actual: **385 ft.**

CERS:

Name:	BORDEAUX 1-31
Address:	ON NORTH SIDE OF COPUS RD, 1/2 MI WEST OF CORNER OF COPUS/OLD RIVER RD
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	443211
CERS ID:	10772722
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	443211
Site Name:	Bordeaux 1-31
Violation Date:	08-21-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/10/2020. The facility owner/operator needs to update their facility's Hazardous Materials Inventory in the California Environmental Reporting System (CERS). Add the following chemicals and hazardous wastes to your inventory: 1.) Diesel 2.) Techniclear 3.) asphaltene dispersant 4.) demulsifier 5.) defoamer Please make all corrections and resubmit within 30 days. Once you have made the required updates into CERS please email your inspector, Lana Elfstrom G 661-862-8754 elfstroml@kerncounty.com so the changes can be verified and the violation cleared.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

BORDEAUX 1-31 (Continued) **S123102265**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Parent Corporation
Entity Name:	Grapevine Energy LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	Paul White
Entity Title:	Not reported
Affiliation Address:	225 Union Blvd., Ate. 150
Affiliation City:	Lakewood
Affiliation State:	CO
Affiliation Country:	Not reported
Affiliation Zip:	80228
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5350 Office Center Court, Ste 75
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93309
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Paul White
Entity Title:	Consultant
Affiliation Address:	Not reported
Affiliation City:	Not reported

BORDEAUX 1-31 (Continued) **S123102265**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Paul White
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Grapevine Energy LLC
Entity Title:	Not reported
Affiliation Address:	5330 Office Center Court, Ste. 75
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93309
Affiliation Phone:	(661) 427-4182
Affiliation Type Desc:	Operator
Entity Name:	Mike Unsel
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 343-3340

F22 **WATTS FARMING COMPANY INC** **FINDS** **1024630196**
South **641 SCHALLOCK RD** **ECHO** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.501 mi.
7926 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
389 ft.

FINDS:
Registry ID: 110070418583

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

WATTS FARMING COMPANY INC (Continued) **1024630196**

ECHO:

Envid:	1024630196
Registry ID:	110070418583
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070418583
Name:	WATTS FARMING COMPANY INC
Address:	641 SCHALLOCK RD
City,State,Zip:	BAKERSFIELD, CA 93313

F23 **WATTS FARMING COMPANY INC** **RCRA NonGen / NLR** **1024853189**
South **641 SCHALLOCK RD** **CAL000412690**
> 1 **BAKERSFIELD, CA 93313**
1.501 mi.
7926 ft. **Site 2 of 2 in cluster F**

Relative: **Higher**

Actual: **389 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-01-23 00:00:00.0
Handler Name:	WATTS FARMING COMPANY INC
Handler Address:	641 SCHALLOCK RD
Handler City,State,Zip:	BAKERSFIELD, CA 93313-9648
EPA ID:	CAL000412690
Contact Name:	BARRY WATTS
Contact Address:	ALLEN RD STE 103
Contact City,State,Zip:	BAKERSFIELD, CA 93314
Contact Telephone:	661-735-5076
Contact Fax:	661-759-3000
Contact Email:	MELISSA@WATTSFARMING.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ALLEN RD STE 103
Mailing City,State,Zip:	BAKERSFIELD, CA 93314
Owner Name:	WATTS FARMING COMPANY INC
Owner Type:	Other
Operator Name:	WATTS FARMING COMPANY INC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported

WATTS FARMING COMPANY INC (Continued) **1024853189**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-01-31 13:00:18.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WATTS FARMING COMPANY INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3559 ALLEN RD STE 103
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93314
Owner/Operator Telephone:	661-725-5076
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WATTS FARMING COMPANY INC

WATTS FARMING COMPANY INC (Continued) **1024853189**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3559 ALLEN RD STE 103
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93314
Owner/Operator Telephone:	661-725-5076
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-01-23 00:00:00.0
Handler Name:	WATTS FARMING COMPANY INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	111335
NAICS Description:	TREE NUT FARMING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

G24
South
> 1
1.591 mi.
8401 ft.

CONOCO INC., RIO VIEJO LEASE **FINDS** **1006834024**
OLD RIVER RD (S OF COPUS RD) SEC. 34-T12N-R21W **N/A**
BAKERSFIELD, CA 93311

Site 1 of 2 in cluster G

Relative:
Higher

Actual:
400 ft.

FINDS:
Registry ID: 110013947104

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G25
South
> 1
1.591 mi.
8401 ft.

ARCO OIL AND GAS CO., RIO VIEJO SITE
BAKERSFIELD, CA
Site 2 of 2 in cluster G

FINDS **1007468927**
N/A

Relative:
Higher

Actual:
400 ft.

FINDS:
Registry ID: 110017433785

Click Here:

Environmental Interest/Information System:
US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

26
SW
> 1
1.648 mi.
8703 ft.

JD&K FARM
14720 COPUS RD
BAKERSFIELD, CA 93311

HAZNET **S113468015**
HWTS **N/A**

Relative:
Lower

Actual:
0 ft.

HAZNET:

Name:	JD&K FARM
Address:	14720 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933119404
Contact:	JEREMY HENSON
Telephone:	6612050796
Mailing Name:	Not reported
Mailing Address:	1912 GLENCAIRN CT
Year:	2010
Gepaid:	CAL000352083
TSD EPA ID:	CAD008302903
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.75

Additional Info:

Year:	2010
Gen EPA ID:	CAL000352083
Shipment Date:	20100825
Creation Date:	10/26/2010 18:30:22
Receipt Date:	20100831
Manifest ID:	006389700JJK
Trans EPA ID:	CAD980813950
Trans Name:	CRANE'S WASTE OIL INC

JD&K FARM (Continued) **S113468015**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ENVIRONMENTAL SERVICE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.75
Waste Quantity:	7500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	JD&K FARM
Address:	14720 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933119404
EPA ID:	CAL000352083
Inactive Date:	06/30/2012
Create Date:	04/28/2010
Last Act Date:	04/02/2013
Mailing Name:	Not reported
Mailing Address:	1912 GLENCAIRN CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933094275
Owner Name:	HENSON & SONS FARMS
Owner Address:	1912 GLENCAIRN CT
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 933094275
Contact Name:	JEREMY HENSON
Contact Address:	1912 GLENCAIRN CT
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933094275

NAICS:

EPA ID:	CAL000352083
Create Date:	2010-04-28 14:25:33.557
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2010-04-28 14:25:33.46300
Inactive Date:	2012-06-30 00:00:00
Facility Name:	JD&K FARM
Facility Address:	14720 COPUS RD
Facility Address 2:	Not reported
Facility City:	BAKERSFIELD
Facility County:	Not reported
Facility State:	CA
Facility Zip:	933119404

27
South
> 1
1.775 mi.
9373 ft.

CALIFORNIA RESOURCES PRODUCTION CORPORATION
KERN (County), CA

UIC **S125642300**
N/A

Relative:
Higher

Actual:
406 ft.

UIC:

Name:	CALIFORNIA RESOURCES PRODUCTION CORPORATION
Address:	Not reported
City,State,Zip:	CA
API Number:	0402955280
Confidential Well:	No
Well Number:	75X-34
Direction:	N
Lease Name:	Rio Viejo
Field Name:	Rio Viejo
Area Name:	Any Area
Section:	34
Township:	12N
Range:	21W
Base And Meridian; Part Of The PLSS:	SB
GIS Source Code:	GPS
Latitude:	35.08366
Longitude:	-119.1028
Well Type:	Water Disposal
Well Status:	Not reported
Operator Code:	C0885
Operator Name:	California Resources Production Corporation
BLM Well:	Not reported
EPA Well:	Not reported
Location:	Not reported
Dryhole:	Not reported
Well DEP:	Not reported
Aband Status:	Not reported

H28
SW
> 1
1.854 mi.
9788 ft.

JAKOV P. DULCICH AND SONS
14900 COPUS RD
BAKERSFIELD, CA 93311
Site 1 of 4 in cluster H

CERS HAZ WASTE
CERS TANKS
CUPA Listings
CERS

S121741597
N/A

Relative:
Lower

Actual:
0 ft.

CERS HAZ WASTE:

Name:	JAKOV P. DULCICH AND SONS
Address:	14900 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	125456
CERS ID:	10469893
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	JAKOV P. DULCICH AND SONS
Address:	14900 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	125456
CERS ID:	10469893
CERS Description:	Aboveground Petroleum Storage

KERN CO CUPA:

Facility ID:	FA0039790

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

CERS ID:	10469893
Name:	JAKOV P. DULCICH AND SONS
Address:	14900 COPUS RD
Address 2:	14900 Copus Rd
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	05/01/2022
Employee:	Elfstrom
Mailing Address:	31956 PETERSON ROAD
Mailing Address 2:	Not reported
Mailing City:	McFARLAND
Mailing State:	CA
Mailing Zip:	93250

CERS:

Name:	JAKOV P. DULCICH AND SONS
Address:	14900 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	125456
CERS ID:	10469893
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	05-03-2019
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 05/29/2020. At the time of the inspection the facility had used oil filters stored in open buckets, milk crated, and open containers. Filters must be stored in a closed container with the appropriate labeling and accumulation start date.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	05-03-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/29/2020. All pesticides on site must be submitted on the business plan. At the time of the inspection non of the pesticides had been listed in the inventory submitted on 01/29/2019.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	06-20-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 07/19/2016. The facility did not have an updated site layout/facility map. Please maintain an updated copy of this map on-site and submit a copy to the California Environmental Reporting System (CERS) within 30 days. A template of the requirements may be found on the Kern County Environmental Health web page.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	06-20-2016
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 07/19/2016. The facilities Environmental Protection Agency (EPA) id number was not active. The EPA ID was inactivated on 12/04/2013. This violation shall be corrected within 30 days. Once this violation is corrected, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by fax at 1-661-862-8701 or by e-mail at saleenb@co.kern.ca.us.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	06-20-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 07/19/2016. The facility has not completed the annual hazardous material business plan submittal process on the California Environmental Reporting System (http://cers.calepa.ca.gov/). The last CERS submittal was in 05/08/2015. Please review and electronically certify that the hazardous materials business plan (HMBP) is complete, accurate, and up to date. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	06-20-2016

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 07/19/2016. The facilities hazardous material/waste inventory was not accurate. Please update/include the following items on the California Environmental Reporting System (CERS). 1.) Propane - 500 gallons 2.) Used Oil Filters - 700 pounds 3.) Grease - 80 pounds 4.) Diesel - 10,000 gallons 5.) Pump Oil - 150 gallons 6.) Argo/CO2 mix - 200 cubic feet 7.) Any fertilizers/pesticides that stay on site longer that 30 days
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	05-03-2019
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 05/29/2020. At the time of the inspection all the waste oil tanks or containers except the newest tank was not closed.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	06-20-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 08/29/2016. The employee training for the facility was not updated. A template of an updated employee training template was provided to the facility. Please maintain an updated copy of this plan on-site and submit a copy to the California Environmental Reporting System within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

Violation Date:	05-03-2019
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to label stationary hazardous waste tanks as "hazardous waste" and mark with an accumulation start date.
Violation Notes:	Returned to compliance on 05/29/2020. At the time of the inspection the facility didi not have accumulation start dates on waste containers.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	125456
Site Name:	JAKOV P. DULCICH AND SONS
Violation Date:	05-03-2019
Citation:	40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	Returned to compliance on 05/29/2020. At the time of the inspection the facility had waste oil and filters stored in unapproved containers.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-03-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-03-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-03-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2016
Violations Found:	No

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

Eval Type:	Routine done by local agency
Eval Notes:	Please ensure that all aboveground tanks not in use are marked out of service/the date and properly disconnected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CERS ER/Contingency Plan has incorrect contact information for Kern Co CUPA. The phone numbers listed should be 661-862-8740 and ER 24 hour line 661-549-9927. Please also add the Water Board number as well 559-445-5910. Once complete, reupload to CERS.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-20-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Waste labels are beginning to show signs of disrepair. Please ensure all signs/written information are legible.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	125456
Facility Name:	JAKOV P. DULCICH AND SONS
Env Int Type Code:	HWG
Program ID:	10469893
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.094060
Longitude:	-119.133240

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Peter Dulcich
Entity Title:	Owner/Operator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	JAKOV P DULCICH AND SONS LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	JAKOV P. DULCICH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 301-4650
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Document Preparer
Entity Name:	CHAD CLARK
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	JAKOV P DULCICH AND SONS LLC
Entity Title:	Not reported
Affiliation Address:	31956 PETERSON ROAD
Affiliation City:	McFARLAND
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93250
Affiliation Phone:	(661) 792-6360
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHAD CLARK
Entity Title:	Not reported
Affiliation Address:	31956 PETERSON ROAD
Affiliation City:	McFARLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93250
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported

JAKOV P. DULCICH AND SONS (Continued) **S121741597**

Affiliation Address:	31956 PETERSON ROAD
Affiliation City:	McFARLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93250
Affiliation Phone:	Not reported

H29 **JAKOV P. DULCICH AND SONS** **FINDS** **1016875048**
SW **14900 COPUS RD** **ECHO** **N/A**
> 1 **BAKERSFIELD, CA 93311**
1.854 mi.
9788 ft. **Site 2 of 4 in cluster H**

Relative:
Lower

Actual:
0 ft.

FINDS:
Registry ID: 110059756946

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016875048
Registry ID:	110059756946
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110059756946
Name:	JAKOV P. DULCICH AND SONS
Address:	14900 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93311

H30 **JAKOV P. DULCICH AND SONS** **AST** **A100421101**
SW **14900 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93311**
1.854 mi.
9788 ft. **Site 3 of 4 in cluster H**

Relative:
Lower

Actual:
0 ft.

AST:

Name:	JAKOV P. DULCICH AND SONS
Address:	14900 COPUS RD
City/Zip:	BAKERSFIELD,93311
Certified Unified Program Agencies:	Not reported
Owner:	JAKOV P DULCICH AND SONS LLC
Total Gallons:	Not reported
CERSID:	10469893
Facility ID:	Not reported
Business Name:	JAKOV P DULCICH AND SONS LLC
Phone:	(661) 792-6360
Fax:	Not reported

JAKOV P. DULCICH AND SONS (Continued) **A100421101**

Mailing Address:	31956 PETERSON ROAD
Mailing Address City:	McFARLAND
Mailing Address State:	CA
Mailing Address Zip Code:	93250
Operator Name:	JAKOV P. DULCICH
Operator Phone:	(661) 301-4650
Owner Phone:	(661) 792-6360
Owner Mail Address:	31956 PETERSON ROAD
Owner State:	CA
Owner Zip Code:	93250
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAC002742665

H31 **JAKOV DULCICH & SONS LLC** **RCRA NonGen / NLR** **1025869637**
SW **14900 COPUS RD** **CAL000413948**
> 1 **BAKERSFIELD, CA 93311**
1.854 mi.
9788 ft. **Site 4 of 4 in cluster H**

Relative: RCRA NonGen / NLR:
Lower

Actual: Date Form Received by Agency:		2019-10-25 00:00:00.0
0 ft. Handler Name:	JAKOV DULCICH & SONS LLC	
Handler Address:		14900 COPUS RD
Handler City,State,Zip:		BAKERSFIELD, CA 93311
EPA ID:		CAL000413948
Contact Name:		CHAD CLARK
Contact Address:		PETERSON RD
Contact City,State,Zip:		MCFARLAND, CA 93250
Contact Telephone:		661-792-6360
Contact Fax:		661-792-6529
Contact Email:		CHADC@DULCICH.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		CA
Mailing Address:		PETERSON RD
Mailing City,State,Zip:		MCFARLAND, CA 93250
Owner Name:		JAKOV DULCICH & SONS LLC
Owner Type:		Private
Operator Name:		JAKOV DULCICH & SONS LLC
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No

JAKOV DULCICH & SONS LLC (Continued) **1025869637**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-11-05 15:24:03.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAKOV DULCICH & SONS LLC
Legal Status:	Private

JAKOV DULCICH & SONS LLC (Continued) **1025869637**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	31956 PETERSON RD
Owner/Operator City,State,Zip:	MCFARLAND, CA 93250
Owner/Operator Telephone:	661-792-6360
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-792-6529
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	JAKOV DULCICH & SONS LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	31956 PETERSON RD
Owner/Operator City,State,Zip:	MCFARLAND, CA 93250
Owner/Operator Telephone:	661-792-6360
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-792-6529
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-10-25 00:00:00.0
Handler Name:	JAKOV DULCICH & SONS LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	111332
NAICS Description:	GRAPE VINEYARDS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I32
ESE
> 1
1.902 mi.
10043 ft.

PRD COTTON OIL CO MARICOPA GIN
12112 COPUS ROAD
BAKERSFIELD, CA 93313

Site 1 of 4 in cluster I

FINDS **1016988912**
N/A

Relative:
Higher

Actual:
334 ft.

FINDS:
Registry ID: 110013832567

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I33
ESE
> 1
1.902 mi.
10043 ft.

SKYDIVE SAN JOAQUIN VALLEY
12112 COPUS RD
BAKERSFIELD, CA 93313

Site 2 of 4 in cluster I

CERS TANKS **S121674484**
CUPA Listings **N/A**
CIWQS
CERS

Relative:
Higher

Actual:
334 ft.

CERS TANKS:

Name:	SKYDIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	436901
CERS ID:	10761439
CERS Description:	Aboveground Petroleum Storage

KERN CO CUPA:

Facility ID:	FA0048601
CERS ID:	10761439
Name:	SKYDIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	09/01/2023
Employee:	Elfstrom
Mailing Address:	12112 Copus RD
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93313

CIWQS:

Name:	SKYDIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Agency:	Skydive San Joaquin Valley
Agency Address:	11858 Copus Road, Bakersfield, CA 93313
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	5F
Program:	CONSTW

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	5F15C357168
NPDES Number:	CAS000002
Adoption Date:	01/01/1900
Effective Date:	01/21/2010
Termination Date:	12/19/2011
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

CERS:

Name:	SKYDIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	436901
CERS ID:	10761439
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	436901
Site Name:	Skydive San Joaquin Valley
Violation Date:	09-29-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Please complete the annual Hazardous Material Business Plan Submittal. The Facility Information, Hazardous Materials Information, and Emergency Response and Training Plans is required to be submitted every year by Month, Year. Please make all corrections and resubmit within 30 days. Lana Elfstrom 661-862-8754 elfstroml@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-11-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-11-2020
Violations Found:	No

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-29-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 436901
Facility Name: Skydive San Joaquin Valley
Env Int Type Code: APSA
Program ID: 10761439
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.094820
Longitude: -119.078610

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Legal Owner
Entity Name: GEORGE KUNZ
Entity Title: Not reported
Affiliation Address: 11858 Copus Road
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313
Affiliation Phone: (323) 632-6781

Affiliation Type Desc: Parent Corporation
Entity Name: Skydive San Joaquin Valley
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Affiliation Type Desc:	Property Owner
Entity Name:	George Kunz
Entity Title:	Not reported
Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 858-2972

Affiliation Type Desc:	Document Preparer
Entity Name:	Robin Siepel
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	GEORGE KUNZ
Entity Title:	Not reported
Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	George Kunz
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	GEORGE KUNZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Affiliation Zip: Not reported
Affiliation Phone: (323) 632-6781

I34 **ANDERSON CLAYTON-MARICOPA GIN** **EMI** **S105939162**
ESE **12112 COPUS ROAD** **N/A**
> 1 **BAKERSFIELD, CA**
1.902 mi.
10043 ft. **Site 3 of 4 in cluster I**

Relative: **Higher**
Actual: **334 ft.**

EMI:

Name:	A/C MARICOPA
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1995
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTION-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1996
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTION-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1997
County Code:	15
Air Basin:	SJV
Facility ID:	1354

ANDERSON CLAYTON-MARICOPA GIN (Continued) **S105939162**

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

Name:	ANDERSON CLAYTON-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1998
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTON-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1999
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTON-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	2000

ANDERSON CLAYTON-MARICOPA GIN (Continued) **S105939162**

County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

I35 **SKY DIVE SAN JOAQUIN VALLEY** **HAZNET** **S112972836**
ESE **12112 COPUS RD** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **HWTS**
1.902 mi.
10043 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
334 ft.

HAZNET:

Name:	SKY DIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
Contact:	GEORGE KUNZ
Telephone:	6618582972
Mailing Name:	Not reported
Mailing Address:	11858 COPUS RD
Year:	2008
Gepaid:	CAC002634415
TSD EPA ID:	CAL000190080
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.6

Additional Info:

Year:	2008
Gen EPA ID:	CAC002634415
Shipment Date:	20081021
Creation Date:	12/22/2008 18:30:21
Receipt Date:	20081025
Manifest ID:	000388996GBF
Trans EPA ID:	CAT982507154
Trans Name:	PARC ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000190080
Trans Name:	FORWARD INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

SKY DIVE SAN JOAQUIN VALLEY (Continued) **S112972836**

Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 1.6
Waste Quantity: 4
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: PRD COTTON OIL CO MARICOPA GIN
Address: 12112 COPUS ROAD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 487888
CERS ID: 110013832567
CERS Description: US EPA Air Emission Inventory System (EIS)

HWTS:
Name: SKY DIVE SAN JOAQUIN VALLEY
Address: 12112 COPUS RD
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 93313
EPA ID: CAC002634415
Inactive Date: 03/05/2009
Create Date: 09/05/2008
Last Act Date: 03/12/2009
Mailing Name: Not reported
Mailing Address: 11858 COPUS RD
Mailing Address 2: Not reported
Mailing City,State,Zip: BAKERSFIELD, CA 933139659
Owner Name: SKY DIVE SAN JOAQUIN VALLEY
Owner Address: 11858 COPUS RD
Owner Address 2: Not reported
Owner City,State,Zip: BAKERSFIELD, CA 933139659
Contact Name: GEORGE KUNZ
Contact Address: 11858 COPUS RD
Contact Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 933139659

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36 **LAKEVIEW BD** **SWF/LF** **S106079113**
North **NW/4, NW/4, SEC 20, T32S, R27E** **CERS** **N/A**
> 1 **ARVIN, CA 93203**
1.937 mi.
10229 ft.

Relative:
Lower

Actual:
297 ft.

SWF/LF (SWIS):
Name: LAKEVIEW BD
Address: NW/4, NW/4, SEC 20, T32S, R27E
City,State,Zip: ARVIN, CA 93203
Region: STATE
Facility ID: 15-CR-0014
SWIS Number: 15-CR-0014
Point of Contact: Angela Gomez

LAKEVIEW BD (Continued) **S106079113**

Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C3
EPA Federal Registry ID:	Not reported
ARB District:	San Joaquin Valley Unified
SWRCB Region:	Central Valley
Local Government:	Arvin
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division
Regulation Status:	Pre-regulation

Activity:

SWIS Number:	15-CR-0014
Site Name:	Lakeview Bd
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	12/31/1970
Cease Operation Type:	Estimated
Inspection Frequency:	Annual
Throughput:	Not reported
Throughput Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	Not reported
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	9
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Angela Gomez
Site Operational Status:	Closed
Site Regulatory Status:	Pre-regulation
Site Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C3
EPA Federal Registry ID:	Not reported
County:	Kern
ARB District:	San Joaquin Valley Unified
SWRCB Region:	Central Valley
Local Government:	Arvin
Street Address:	NW/4, NW/4, Sec 20, T32S, R27E

LAKEVIEW BD (Continued) **S106079113**

City:	Arvin
State:	CA
ZIP Code:	93203
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division

Operator:

SWIS Number:	15-CR-0014
Site Name:	Lakeview Bd
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Pre-regulation
Latitude:	35.13716
Longitude:	-119.10891
Is Archived:	No
Operator:	County of Kern Waste Management Dept.
Started On:	8/16/1994
Contact Name:	Douglas Landon
Contact Title:	Director
Contact Email:	Not reported
Contact Phone:	(661) 862-8900
Street Address:	1115 Truxtun Ave
Operator City:	Bakersfield
Operator State:	CA
Operator Zip:	93301

Owner:

SWIS Number:	15-CR-0014
Owner:	County of Kern Waste Management Dept.
Owner Address:	1115 Truxtun Ave
Owner City:	Bakersfield
Owner State:	CA
Owner Zip:	93301
Site Name:	Lakeview Bd
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Pre-regulation
Latitude:	35.13716
Longitude:	-119.10891
Is Archived:	No
Started On:	8/16/1994
Contact Name:	Douglas Landon
Contact Title:	Director
Contact Email:	Not reported
Contact Phone:	(661) 862-8900

CERS:

Name:	LAKEVIEW BD
Address:	NW/4, NW/4, SEC 20, T32S, R27E
City,State,Zip:	ARVIN, CA
Site ID:	509700
CERS ID:	15-CR-0014
CERS Description:	Solid Waste and Recycle Sites

LAKEVIEW BD (Continued) **S106079113**

Affiliation:

Affiliation Type Desc:	Legal Operator
Entity Name:	County of Kern Waste Management Dept.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301
Affiliation Phone:	6618628900

Affiliation Type Desc:	Legal Owner
Entity Name:	County of Kern Waste Management Dept.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301
Affiliation Phone:	6618628900

J37 **J G BOSWELL COMPANY - KERN LAKE** **AST** **A100421054**
ENE **27865 ASH RD.** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.955 mi.
10320 ft. **Site 1 of 3 in cluster J**

Relative: **Lower**

Actual: **281 ft.**

AST:

Name:	J G BOSWELL COMPANY - KERN LAKE
Address:	27865 ASH RD.
City/Zip:	BAKERSFIELD,93313
Certified Unified Program Agencies:	Not reported
Owner:	J G BOSWELL CO-Kern Lake
Total Gallons:	Not reported
CERSID:	10238230
Facility ID:	15-010-036126
Business Name:	BOSWELL COMPANY
Phone:	(661) 764-9000
Fax:	Not reported
Mailing Address:	PO BOX 9759
Mailing Address City:	Bakersfield
Mailing Address State:	CA
Mailing Address Zip Code:	93389
Operator Name:	J G BOSWELL COMPANY-Kern Lake Time Room
Operator Phone:	(661) 327-3551
Owner Phone:	(661) 327-3551
Owner Mail Address:	PO BOX 9759
Owner State:	CA
Owner Zip Code:	93389
Owner Country:	United States
Property Owner Name:	J.G. Boswell Co-Kern Lake
Property Owner Phone:	(661) 327-3551
Property Owner Mailing Address:	P.O. Box 9759
Property Owner City:	Bakersfield
Property Owner Stat :	CA
Property Owner Zip Code:	93389

J G BOSWELL COMPANY - KERN LAKE (Continued) **A100421054**

Property Owner Country: United States
EPAID: CAD981439490

J38 **J G BOSWELL COMPANY - KERN LAKE** **CERS HAZ WASTE** **S121773718**
ENE **27865 ASH RD.** **CERS TANKS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CERS**
1.955 mi.
10320 ft. **Site 2 of 3 in cluster J**

Relative:
Lower

Actual:
281 ft.

CERS HAZ WASTE:
Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Hazardous Chemical Management

Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Aboveground Petroleum Storage

CERS:
Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 395270
Site Name: J G BOSWELL COMPANY - KERN LAKE
Violation Date: 07-21-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/20/2017. Several chemicals stored in the Kern Lake Time Room shop had not been reported in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 395270
Site Name: J G BOSWELL COMPANY - KERN LAKE

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Violation Date:	10-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/24/2020. The Unified Program Agency requires the following items to be included on the submitted site maps: 1. Include all safety/emergency equipment such as eye wash stations, spill kits, first aid, fire extinguishers, etc.... that is on site for the Kern Lake Time Room. 2. Include routes to the Kern Lake Time Room from major roads for Emergency Responders. 3. Include additional major roads on the Kern Lake Chemical Location Map for Emergency Responders. 4. It was observed that there is a discrepancy between between the Kern Lake Time Room map and the Kern Lake Chemical Location Map concerning Chlorine Tank Storage Sites at the Kern Lake Time Room. One map states "10 Cylinders Max" and the other states "A maximum of 10 empty 1-ton chlorine cylinders are stored at the site." Please confirm which statement is true and update each map as necessary. In addition, update any operating procedures/signage if necessary. 5. During the time of the inspection, we went to [Truncated]
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-25-2013
Citation:	19 CCR 4.5 2755.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(a)
Violation Description:	Failure to prepare and implement procedures to maintain the on-going mechanical integrity of the process equipment.
Violation Notes:	Returned to compliance on 08/09/2013.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-21-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/20/2017. Facility was late in annually reviewing and certifying the CERS submission. Submissions are due by the end of June for the Kern Lake facility.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	08-19-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 07/21/2017. Drums located north of the shop were unlabeled.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-25-2013
Citation:	19 CCR 4.5 2755.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(b)
Violation Description:	Failure to train or cause to be trained each employee involved in maintaining the on-going mechanical integrity of the process in: 1. The hazards of the process; 2. How to avoid or correct unsafe conditions; 3. The procedures applicable to the employeeG s job tasks.
Violation Notes:	Returned to compliance on 08/09/2013.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-25-2013
Citation:	19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description:	Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes:	Returned to compliance on 08/09/2013. Standard operating procedures for chlorine lack consequences of deviation and how they would be addressed.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	08-19-2015
Citation:	HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description:	Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes:	Returned to compliance on 07/21/2017. Unlabeled and leaking drums of waste are stored north of the shop area near the chlorine storage.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HWLQG

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-11-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The chlorine storage at the time room must be included as a process in the RMP. I counted 16 ton cylinders at that location.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-22-2019

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 395270
Site Name: J G BOSWELL COMPANY - KERN LAKE
Site Address: 27865 ASH RD.
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 07-25-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: CalARP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Document Preparer
Entity Name:	Drew Scott
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 9759
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93389
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	J G BOSWELL COMPANY-Kern Lake Time Room
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 327-3551
Affiliation Type Desc:	Environmental Contact
Entity Name:	Laura Brown
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 457
Affiliation City:	CORCORAN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93212
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Laura Brown
Entity Title:	Environmental Resources Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	J G BOSWELL CO-Kern Lake
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 9759

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93389
Affiliation Phone:	(661) 327-3551
Affiliation Type Desc:	Property Owner
Entity Name:	J.G. Boswell Co-Kern Lake
Entity Title:	Not reported
Affiliation Address:	P.O. Box 9759
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93389
Affiliation Phone:	(661) 327-3551
Affiliation Type Desc:	Parent Corporation
Entity Name:	BOSWELL COMPANY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

J39 **J G BOSWELL COMPANY - KERN LAKE** **FINDS** **1023263053**
ENE **27865 ASH RD.** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.958 mi.
10338 ft. **Site 3 of 3 in cluster J**

Relative: **Lower**

Actual: **281 ft.**

FINDS:
Registry ID: 110065525051

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K40 **J. DULCHICH & SONS** **HAZNET** **S117300187**
WSW **15100 COPUS RD** **HWTS** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.091 mi.
11039 ft. **Site 1 of 2 in cluster K**

Relative: **Lower**

Actual: **0 ft.**

HAZNET:

Name:	J. DULCHICH & SONS
Address:	15100 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
Contact:	TROY FRINGER
Telephone:	6617926360
Mailing Name:	Not reported

J. DULCHICH & SONS (Continued) **S117300187**

Mailing Address: 31956 PETERSON RD

Year: 2013
Gepaid: CAC002742665
TSD EPA ID: CAL000282598
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.6

Year: 2013
Gepaid: CAC002742665
TSD EPA ID: CAL000282598
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.15

Additional Info:
Year: 2013
Gen EPA ID: CAC002742665

Shipment Date: 20130916
Creation Date: 11/1/2013 22:15:05
Receipt Date: 20130917
Manifest ID: 011813019JJK
Trans EPA ID: CAL000337420
Trans Name: DOUBLE BARREL ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000282598
Trans Name: BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.8
Waste Quantity: 1600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130905
Creation Date: 10/30/2013 22:15:08
Receipt Date: 20130910
Manifest ID: 011813013JJK
Trans EPA ID: CAL000268462
Trans Name: CSI (COLES SERVICES INC-DBA: COLES ENVIRONMENTAL)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000282598

J. DULCHICH & SONS (Continued) **S117300187**

Trans Name:	BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130905
Creation Date:	10/30/2013 22:15:08
Receipt Date:	20130910
Manifest ID:	011813013JJK
Trans EPA ID:	CAL000268462
Trans Name:	CSI (COLES SERVICES INC-DBA: COLES ENVIRONMENTAL)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000282598
Trans Name:	BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130905
Creation Date:	10/30/2013 22:15:08
Receipt Date:	20130910
Manifest ID:	011813013JJK
Trans EPA ID:	CAL000268462
Trans Name:	CSI (COLES SERVICES INC-DBA: COLES ENVIRONMENTAL)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000282598
Trans Name:	BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

J. DULCHICH & SONS (Continued) **S117300187**

Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130905
Creation Date:	10/30/2013 22:15:08
Receipt Date:	20130910
Manifest ID:	011813013JJK
Trans EPA ID:	CAL000268462
Trans Name:	CSI (COLES SERVICES INC-DBA: COLES ENVIRONMENTAL)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000282598
Trans Name:	BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	J. DULCHICH & SONS
Address:	15100 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
EPA ID:	CAC002742665
Inactive Date:	12/04/2013
Create Date:	09/04/2013
Last Act Date:	12/10/2013
Mailing Name:	Not reported
Mailing Address:	31956 PETERSON RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MCFARLAND, CA 93250
Owner Name:	J. DULCHICH & SONS
Owner Address:	31956 PETERSON RD
Owner Address 2:	Not reported
Owner City,State,Zip:	MCFARLAND, CA 93250
Contact Name:	TROY FRINGER
Contact Address:	31956 PETERSON RD
Contact Address 2:	Not reported
City,State,Zip:	MCFARLAND, CA 93250

K41 **CALIFORNIA RESOURCES PRODUCTION CORPORATION- DULCI** **CUPA Listings** **S121737669**
WSW **28 OF T12N R21W** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.101 mi.
11095 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
0 ft.

KERN CO CUPA:

Facility ID:	FA0041148
CERS ID:	10616662
Name:	CALIFORNIA RESOURCES PRODUCTION CORPORATION- DULCICH FACILITY
Address:	28 OF T12N R21W
Address 2:	28 Of T12N R21W
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN LARGE LOW RISK 1 UNIT
Program Element Code:	CB3T
HMIRRP Due Date:	Not reported
Current Inspection Date:	04/01/2021
Employee:	Elfstrom
Mailing Address:	900 Old River Road
Mailing Address 2:	Not reported
Mailing City:	Bakersfield
Mailing State:	CA
Mailing Zip:	93311

CERS:

Name:	CALIFORNIA RESOURCES PRODUCTION CORPORATION- DULCICH FACILITY
Address:	28 OF T12N R21W
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	104238
CERS ID:	10616662
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-03-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	05-31-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CRC Dulcich
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Esteban Solano
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

CALIFORNIA RESOURCES PRODUCTION CORPORATION- DULCICH FACILIT (Continued) **S121737669**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	900 Old River Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93311
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	CALIFORNIA RESOURCES PRODUCTION CORPORATION- DULCICH FACILITY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 529-4366
Affiliation Type Desc:	Identification Signer
Entity Name:	Esteban Solano
Entity Title:	HES Technician
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	California Resources Production Corporation
Entity Title:	Not reported
Affiliation Address:	900 Old River Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93311
Affiliation Phone:	(661) 412-5000
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	WM. Douglas Shaffer PE
Entity Title:	Not reported

CALIFORNIA RESOURCES PRODUCTION CORPORATION- DULCICH FACILIT (Continued) **S121737669**

Affiliation Address:	900 Old River Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93311
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	California Resources Production Corporation
Entity Title:	Not reported
Affiliation Address:	900 Old River Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93311
Affiliation Phone:	(661) 529-4366
Affiliation Type Desc:	Parent Corporation
Entity Name:	California Resources Production Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

L42 **REYNOLD METTLER FARMS INC** **FINDS** **1023331743**
South **1466 SCHALLOCK RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.244 mi.
11849 ft. **Site 1 of 2 in cluster L**

Relative: **Higher**

Actual: **432 ft.**

FINDS:
Registry ID: 110066264358

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

L43 **LANDMARK FRUIT COMPANY** **CUPA Listings** **S121774050**
South **1466 SCHALLOCK RD** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.244 mi.
11849 ft. **Site 2 of 2 in cluster L**

Relative: **Higher**

Actual: **432 ft.**

KERN CO CUPA:

Facility ID:	FA0035099
CERS ID:	10156831
Name:	LANDMARK FRUIT COMPANY
Address:	1466 SCHALLOCK RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA

LANDMARK FRUIT COMPANY (Continued) **S121774050**

Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	7/31
Current Inspection Date:	09/01/2022
Employee:	Elfstrom
Mailing Address:	7404 EL VERANO DR.
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93309

CERS:

Name:	LANDMARK FRUIT COMPANY
Address:	1466 SCHALLOCK RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	396266
CERS ID:	10156831
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	396266
Site Name:	Landmark Fruit Company
Violation Date:	03-14-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 08/25/2014. PLEASE UPLOAD EMPLOYEE TRAINING ONTO CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-04-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2014
Violations Found:	Yes

LANDMARK FRUIT COMPANY (Continued) **S121774050**

Eval Type:	Routine done by local agency
Eval Notes:	DOT SIGNS/LABES ON TANKS BEGINNING TO SHOW SIGNS OF DISREPAIR. PLEASE REPLACE.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-17-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	396266
Site Name:	Landmark Fruit Company
Site Address:	1466 SCHALLOCK RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	03-14-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	396266
Site Name:	Landmark Fruit Company
Site Address:	1466 SCHALLOCK RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	05-21-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	396266
Facility Name:	Landmark Fruit Company
Env Int Type Code:	HMBP
Program ID:	10156831
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.069310
Longitude:	-119.099550

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme

LANDMARK FRUIT COMPANY (Continued) **S121774050**

Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Document Preparer
Entity Name: JEFFREY METTLER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: JEFFREY METTLER
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: JEFFREY METTLER FARMS
Entity Title: Not reported
Affiliation Address: 7404 EL VERANO DR
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93309
Affiliation Phone: (661) 833-0560

Affiliation Type Desc: Property Owner
Entity Name: JEFFREY METTLER
Entity Title: Not reported
Affiliation Address: 7404 EL VERANO DR.
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93309
Affiliation Phone: (661) 833-0560

Affiliation Type Desc: Environmental Contact
Entity Name: JEFFREY METTLER
Entity Title: Not reported
Affiliation Address: 7404 EL VERANO DR.
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93309
Affiliation Phone: Not reported

LANDMARK FRUIT COMPANY (Continued) **S121774050**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7404 EL VERANO DR.
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93309
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	JEFFREY METTLER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 809-7900

Affiliation Type Desc:	Parent Corporation
Entity Name:	Landmark Fruit Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

44
SSW
> 1
2.428 mi.
12818 ft.

CALIFORNIA RESOURCES PRODUCTION CORPORATION **UIC** **S125642527**
N/A

KERN (County), CA

Relative:
Higher

Actual:
452 ft.

UIC:

Name:	CALIFORNIA RESOURCES PRODUCTION CORPORATION
Address:	Not reported
City,State,Zip:	CA
API Number:	0402957202
Confidential Well:	No
Well Number:	81X
Direction:	N
Lease Name:	Rio Viejo South
Field Name:	Rio Viejo
Area Name:	Any Area
Section:	04
Township:	11N
Range:	21W
Base And Meridian; Part Of The PLSS:	SB
GIS Source Code:	GPS
Latitude:	35.07643
Longitude:	-119.1192
Well Type:	Water Disposal
Well Status:	Not reported
Operator Code:	C0885

CALIFORNIA RESOURCES PRODUCTION CORPORATION (Continued) **S125642527**

Operator Name:	California Resources Production Corporation
BLM Well:	Not reported
EPA Well:	Not reported
Location:	Not reported
Dryhole:	Not reported
Well DEP:	Not reported
Aband Status:	Not reported

M45 **TIME ROOM** **RMP** **1012126603**
NE **1/2 MI. SO. OF HERRING RD** **N/A**
> 1 **BAKERSFIELD, CA 93312**
2.565 mi.
13544 ft. **Site 1 of 2 in cluster M**

Relative: **Lower**
Actual: **282 ft.**

RMP:

Facility ID:	1000044070
Name:	TIME ROOM
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	BAKERSFIELD, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.138369
Facility decimal longitude:	-119.075704
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Co., Inc.
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donald Houchin
Operators telephone:	6613234744
Operators address:	P.O. Box 98
Operators City,St,Zip:	Buttonwillow, CA 93206
RMP implementation contact:	Tim Hayes
RMP contact title:	Safety Director
Emergency contact:	Pat O'Tool
Emergency contact title:	Yard Supervisor
Emergency contact telephone:	6618313416
24 hour emergency telephone:	6613032651
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2013-10-18 00:00:00
Inspected by:	State environmental agency
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported

TIME ROOM (Continued) **1012126603**

Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-06-25 00:00:00
Date of error Report:	Not reported
Date RMP received:	2014-06-25 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2014-06-25 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2019-06-25 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.0
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Accident History:

Accident History ID:	1000034306
facid:	1000044070
Accident Date:	2013-11-16 00:00:00
Accident Time:	0400
NAICS code:	49313
Accident release duration:	00001
Release Event:	Spill
Release Source:	Transfer Hose
Wind speed:	Not reported
Wind speed units:	Not reported
Wind direction:	Not reported
Temperature:	Not reported
Stability class:	Not reported
Precipitation was present:	False
Weather was unknown:	True
Num. of on-site workers killed:	0
Num. of responders killed:	0
Num. of public deaths:	0
Num. of on-site workers injured:	1
Num. of responders injured:	0
Num. of public injured:	0
Property damage in dollars:	0
Num. of on-site deaths:	0
Num. of hospitalizations:	0
Num. of other medical treatments:	0
Num. of evacuated:	0
Num. of sheltered in place:	0
Off-site property damage in dollars:	0
Environmental damage:	Not reported
Initiating event:	b

TIME ROOM (Continued) **1012126603**

Contributing factor:	Human error, Improper procedure
Were offsite responders notified:	No, not notified
Changes Made:	Revised training, Revised operating procedure
Record contains CBI data:	False

Accident Chemicals:

Chemical released:	Ammonia (anhydrous)
Quantity of chemical released in pounds:	1
Percent weight of chemical released:	100

Emergency Responses:

ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	6613917000
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	1000054441
Optional facility description:	Anhydrous Ammonia
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Farm Product Warehousing and Storage Facilities

Prevention Program 3:

Safety review date:	2014-05-16 00:00:00
Most recent PHA date:	2014-06-03 00:00:00
Process Hazard Analysis:	What if checklist
Expected PHA changes completion date:	2014-12-31 00:00:00
Major Hazard:	Toxic Release, Fire, Overpressurization, Overfilling, Contamination, Equipment failure, Earthquake
Process Control:	Relief valves, Manual shutoffs, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	Install process control
Most recent review of op. procedures:	2014-06-10 00:00:00
Most recent training progs review/update:	2014-05-16 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2014-05-16 00:00:00
Most recent equipment inspection date:	2014-05-16 00:00:00
Equipment tested:	Changed oil in compressor
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2014-05-16 00:00:00
Date of pre-start review:	Not reported
Most recent compliance audit date:	2013-03-07 00:00:00
Expected date of audit completion:	2013-12-31 00:00:00
Most recent incident investigation:	2013-11-16 00:00:00

TIME ROOM (Continued) **1012126603**

Expected date of investigation changes: 2013-12-31 00:00:00
Date of participation plan review: 2014-05-16 00:00:00
Date of hot work permit review: 2014-05-16 00:00:00
Date of contractor safety review: 2014-05-16 00:00:00
Date of contractor safety eval. review: Not reported
Record has CBI data: False

Process Chemicals:
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 82000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: Not reported
Physical state: a
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Facility ID: 1000080602
Name: TIME ROOM
Address: 1/2 MI. SO. OF HERRING RD
Address 2: ON ASHE RD
City,State,Zip: BAKERSFIELD, CA 93312

TIME ROOM (Continued) **1012126603**

LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.138369
Facility decimal longitude:	-119.075704
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Company
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Buttonwillow Warehouse Company
Operators telephone:	6616956500
Operators address:	3430 Unicorn Road
Operators City,St,Zip:	Bakersfield, CA 93308
RMP implementation contact:	Tim Hayes
RMP contact title:	Safety Director
Emergency contact:	Tom Adame
Emergency contact title:	Facility Manager
Emergency contact telephone:	6618313416
24 hour emergency telephone:	6618521279
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2016-02-17 00:00:00
Inspected by:	EPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2019-06-24 00:00:00
Date of error Report:	Not reported
Date RMP received:	2019-06-24 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2019-06-24 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2024-06-24 00:00:00

TIME ROOM (Continued) **1012126603**

Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.0
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	6613917000
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	1000100708
Optional facility description:	Anhydrous Ammonia
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Farm Product Warehousing and Storage Facilities

Prevention Program 3:

Safety review date:	2019-01-31 00:00:00
Most recent PHA date:	2019-01-31 00:00:00
Process Hazard Analysis:	What if checklist
Expected PHA changes completion date:	2020-02-29 00:00:00
Major Hazard:	Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake
Process Control:	Relief valves, Manual shutoffs, Automatic shutoffs, Alarms, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-03-25 00:00:00
Most recent training progs review/update:	2019-06-12 00:00:00
Training:	Classroom
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2019-06-12 00:00:00
Most recent equipment inspection date:	2019-06-12 00:00:00
Equipment tested:	E-Stop Checklist
Most recent changes by mgmt:	2016-03-31 00:00:00
Date of most recent review/update:	2019-06-12 00:00:00
Date of pre-start review:	2016-03-31 00:00:00
Most recent compliance audit date:	2019-01-11 00:00:00
Expected date of audit completion:	2020-03-01 00:00:00
Most recent incident investigation:	2013-11-16 00:00:00
Expected date of investigation changes:	2013-12-31 00:00:00
Date of participation plan review:	2019-06-12 00:00:00

TIME ROOM (Continued) **1012126603**

Date of hot work permit review:	2019-06-12 00:00:00
Date of contractor safety review:	2019-06-12 00:00:00
Date of contractor safety eval. review:	2019-03-08 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	100
Physical state:	a
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	100
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	82000

Facility ID:	1000009241
Name:	TIME ROOM
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	BAKERSFIELD, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.134194

TIME ROOM (Continued) **1012126603**

Facility decimal longitude:	-119.068139
Is facility in county box:	T
LatLong method:	I1
LatLong description:	FC
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Co., Inc.
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donald Houchin
Operators telephone:	6613234744
Operators address:	P.O. Box 98
Operators City,St,Zip:	Buttonwillow, CA 93206
RMP implementation contact:	Tim Hayes
RMP contact title:	Safety Director
Emergency contact:	Pat O'Tool
Emergency contact title:	Yard Supervisor
Emergency contact telephone:	6618313416
24 hour emergency telephone:	6613032651
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2009-01-01 00:00:00
Inspected by:	Kern County Environmental and Health
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2009-06-26 00:00:00
Date of error Report:	Not reported
Date RMP received:	2009-06-26 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2009-06-26 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2014-06-26 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False

TIME ROOM (Continued) **1012126603**

RMP version #: 1.0
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: Kern County Fire Department
Telephone of the coordinating local agency: 6613917000
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000010828
Optional facility description: Anhydrous Ammonia
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Farm Product Warehousing and Storage Facilities

Prevention Program 3:
Safety review date: 2009-06-18 00:00:00
Most recent PHA date: 2009-06-18 00:00:00
Process Hazard Analysis: What if, HAZOP
Expected PHA changes completion date: Not reported
Major Hazard: Toxic Release, Overfilling, Cooling loss, Earthquake
Process Control: Relief valves, Manual shutoffs, Rupture disks, Excess flow device
Mitigation Systems: None
Monitoring/Detection: Perimeter monitors
Changes since the last process hazard analysis: None required
Most recent review of op. procedures: 2009-06-16 00:00:00
Most recent training progs review/update: 2008-12-08 00:00:00
Training: Classroom
Competency testing: Written test, Oral test, Demonstration, Observation
Most recent maintenance review date: 2009-06-19 00:00:00
Most recent equipment inspection date: 2009-06-19 00:00:00
Equipment tested: Storage Tanks
Most recent changes by mgmt: Not reported
Date of most recent review/update: 2009-06-17 00:00:00
Date of pre-start review: Not reported
Most recent compliance audit date: 2009-06-25 00:00:00
Expected date of audit completion: 2009-06-25 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2009-06-17 00:00:00
Date of hot work permit review: 2009-06-17 00:00:00
Date of contractor safety review: 2009-06-16 00:00:00
Date of contractor safety eval. review: Not reported
Record has CBI data: False

TIME ROOM (Continued) **1012126603**

Process Chemicals:
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 87550

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: Not reported
Physical state: a
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: a
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

M46 **TIME ROOM** **FINDS** **1017456039**
NE **1/2 MI. SO. OF HERRING RD** **N/A**
> 1 **BAKERSFIELD, CA 93312**
2.565 mi.
13544 ft. **Site 2 of 2 in cluster M**

Relative: FINDS:
Lower Registry ID: 110023011033

Actual:
282 ft. Click Here:

Environmental Interest/Information System:
US EPA Risk Management Plan (RMP) database stores the risk management

TIME ROOM (Continued) **1017456039**

plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

47
NE
> 1
2.660 mi.
14045 ft.

FIELD STORAGE
1/2 MI. SO. OF HERRING RD
METTLER, CA 93312

RMP **1011824764**
N/A

Relative:
Lower

Actual:
281 ft.

RMP:

Facility ID:	38598
Name:	FIELD STORAGE
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	METTLER, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.134194
Facility decimal longitude:	-119.068139
Is facility in county box:	T
LatLong method:	G1
LatLong description:	PG
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Co., Inc.
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donald Houchin
Operators telephone:	6613234744
Operators address:	P.O. Box 98
Operators City,St,Zip:	Buttonwillow, CA 93206
RMP implementation contact:	Gerry Wright
RMP contact title:	RMP Coordinator
Emergency contact:	Gerry Wright
Emergency contact title:	RMP Coordinator
Emergency contact telephone:	6613234744
24 hour emergency telephone:	6613234744
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	Not reported
Inspected by:	Never had one
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported

FIELD STORAGE (Continued) **1011824764**

Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2004-08-24 00:00:00
Date of error Report:	Not reported
Date RMP received:	2004-06-25 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2004-06-21 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2009-06-21 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.2
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2004-04-15 00:00:00
ER plan most recent employee training date:	2004-04-15 00:00:00
Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	6613917000
Federal regulation:	False
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	55550
Optional facility description:	Anhydrous Ammonia
Program level:	2
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Hay Farming

Prevention Program 2:

Safety review date:	2004-04-15 00:00:00
Federal regulation comment:	Not reported
Major Hazard:	Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Contamination, Equipment failure, Cooling loss, Earthquake, Floods, Tornado
Process Control:	Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Emergency air supply, Grounding equipment, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None

FIELD STORAGE (Continued) **1011824764**

Changes since the last process hazard analysis:	No changes since last PHA
Most recent hazard review/update:	2004-04-15 00:00:00
Most recent review of op. procedures:	2004-04-15 00:00:00
Most recent training progs review/update:	2004-04-15 00:00:00
Expected completion of review changes:	Not reported
Training:	Classroom, On the job
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2004-04-15 00:00:00
Most recent equipment inspection date:	2004-04-15 00:00:00
Equipment tested:	Shut off Valves
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	False
Date of most recent changes:	Not reported

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	87550
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported

FIELD STORAGE (Continued) **1011824764**

Passive mitigation: Not reported

N48 **TAFT MANUFACTURING LLC** **CIWQS** **S120035680**
SW **19815 SOUTH LAKE ROAD** **N/A**
> 1 **TAFT, CA 93389**
2.706 mi.
14286 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **0 ft.**

CIWQS:

Name:	TAFT MANUFACTURING LLC
Address:	19815 SOUTH LAKE ROAD
City,State,Zip:	TAFT, CA 93389
Agency:	Baker Petrolite Corp
Agency Address:	19815 South Lake Road, Taft, CA 93268
Place/Project Type:	Industrial - Industrial Organic Chemicals, NEC
SIC/NAICS:	2869(+)
Region:	5F
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	5F15I000619
NPDES Number:	CAS000001
Adoption Date:	01/01/1900
Effective Date:	03/16/1992
Termination Date:	01/01/1900
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.08684
Longitude:	-119.14319

N49 **TAFT MANUFACTURING LLC** **CHMIRS** **S104857762**
SW **19815 SOUTH LAKE ROAD** **EMI** **N/A**
> 1 **TAFT, CA 93389** **NPDES**
2.706 mi. **WDS**
14286 ft. **Site 2 of 2 in cluster N** **CERS**

Relative: **Lower**
Actual: **0 ft.**

CHMIRS:

Name:	Not reported
Address:	19815 S. LAKE RD.
City,State,Zip:	TAFT, CA 93268
OES Incident Number:	12-4597
OES notification:	08/07/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported

TAFT MANUFACTURING LLC (Continued) **S104857762**

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	930
Year:	2012
Agency:	Taft Manufacturing Company
Incident Date:	8/6/2012
Admin Agency:	Taft Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Acrilan
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	1
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

TAFT MANUFACTURING LLC (Continued) **S104857762**

Comments:	Not reported
Description:	A agitator seal blew out causing this release. There was one person exposed to the release and is being released, no issues at this time.
Name:	Not reported
Address:	19815 S. LAKE ROAD
City,State,Zip:	TAFT, CA 93268
OES Incident Number:	13-2112
OES notification:	04/08/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Cup(s)
Other:	Not reported
Date/Time:	1100
Year:	2013
Agency:	Taft Manufacturing Company
Incident Date:	4/8/2013
Admin Agency:	Taft Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Acrolein
Quantity Released:	1

TAFT MANUFACTURING LLC (Continued) **S104857762**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	35-40
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller a pump seal failed causing the spill. The evacuation was part of the spill response plan and the workers have all returned to work now.
Name:	Not reported
Address:	19815 SOUTH LAKE RD
City,State,Zip:	TAFT, CA 93268
OES Incident Number:	20-0433
OES notification:	01/22/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Unknown

TAFT MANUFACTURING LLC (Continued) **S104857762**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Oz.
Other:	Not reported
Date/Time:	930
Year:	2020
Agency:	Baker Hughes
Incident Date:	01/22/2020
Admin Agency:	Taft Fire Department
Amount:	Not reported
Contained:	Not stopped,Not contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Acrolein
Quantity Released:	16
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	25-30
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	Yes
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states that a large container shipped in from over seas was received in "leaking" condition. The facility is being evacuated due to the highly hazardous nature of the substance.

EMI:

Name:	TAFT MANUFACTURING COMPANY
Address:	19815 S LAKE RD
City,State,Zip:	TAFT, CA 93268
Year:	2014
County Code:	15
Air Basin:	SJV
Facility ID:	1633
Air District Name:	SJU
SIC Code:	2879
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.0907817526
Reactive Organic Gases Tons/Yr:	0.69769016329
Carbon Monoxide Emissions Tons/Yr:	3.1577359885
NOX - Oxides of Nitrogen Tons/Yr:	1.9905559556

TAFT MANUFACTURING LLC (Continued) **S104857762**

SOX - Oxides of Sulphur Tons/Yr:	0.10853099845
Particulate Matter Tons/Yr:	0.42874726844
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.42313142452

Name:	TAFT MANUFACTURING COMPANY
Address:	19815 S LAKE RD
City,State,Zip:	TAFT, CA 93268
Year:	2015
County Code:	15
Air Basin:	SJV
Facility ID:	1633
Air District Name:	SJU
SIC Code:	2879
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.9552365397
Reactive Organic Gases Tons/Yr:	0.56898689
Carbon Monoxide Emissions Tons/Yr:	3.11144301
NOX - Oxides of Nitrogen Tons/Yr:	1.888635503
SOX - Oxides of Sulphur Tons/Yr:	0.107446996
Particulate Matter Tons/Yr:	0.38029270814
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.376421883

Name:	TAFT MANUFACTURING LLC
Address:	19815 S LAKE RD
City,State,Zip:	TAFT, CA 93268
Year:	2016
County Code:	15
Air Basin:	SJV
Facility ID:	1633
Air District Name:	SJU
SIC Code:	2879
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.3262866854
Reactive Organic Gases Tons/Yr:	0.491972228
Carbon Monoxide Emissions Tons/Yr:	2.249552504
NOX - Oxides of Nitrogen Tons/Yr:	1.623838696
SOX - Oxides of Sulphur Tons/Yr:	0.07743042
Particulate Matter Tons/Yr:	0.30501165613
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.300998439

Name:	TAFT MANUFACTURING LLC
Address:	19815 S LAKE RD
City,State,Zip:	TAFT, CA 93268
Year:	2018
County Code:	15
Air Basin:	SJV
Facility ID:	1633
Air District Name:	SJU
SIC Code:	2879
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.8990824979

TAFT MANUFACTURING LLC (Continued) **S104857762**

Reactive Organic Gases Tons/Yr: 0.69569837
Carbon Monoxide Emissions Tons/Yr: 3.210319269
NOX - Oxides of Nitrogen Tons/Yr: 2.337200816
SOX - Oxides of Sulphur Tons/Yr: 0.1102421
Particulate Matter Tons/Yr: 0.43480983648
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.429198059

NPDES:
Name: TAFT MANUFACTURING LLC
Address: 19815 SOUTH LAKE ROAD
City,State,Zip: TAFT, CA 93389
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 5F15I000619
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 03/16/1992
Operator Name: Baker Petrolite Corp
Operator Address: 19815 South Lake Road
Operator City: Taft
Operator State: California
Operator Zip: 93268

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 5F
Regulatory Measure ID: 196064
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 5F15I000619
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/16/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Baker Petrolite Corp
Discharge Address: 19815 South Lake Road
Discharge City: Taft
Discharge State: California

TAFT MANUFACTURING LLC (Continued) **S104857762**

Discharge Zip:	93268
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

TAFT MANUFACTURING LLC (Continued) **S104857762**

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5F
Regulatory Measure ID:	196064
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5F15I000619
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/16/1992
Status:	Active
Status Date:	03/16/1992
Place Size:	11.2
Place Size Unit:	Acres
Contact:	Joel Renaudo
Contact Title:	HSE Specialist
Contact Phone:	661-763-7111
Contact Phone Ext:	Not reported
Contact Email:	joel.renaudo@bakerhughes.com
Operator Name:	Baker Petrolite Corp
Operator Address:	19815 South Lake Road
Operator City:	Taft
Operator State:	California
Operator Zip:	93268
Operator Contact:	Joel Renaudo
Operator Contact Title:	HSE Specialist
Operator Contact Phone:	661-763-7111
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	joel.renaudo@bakerhughes.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	661-763-7100
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported

TAFT MANUFACTURING LLC (Continued) **S104857762**

Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Buena Vista Lake
Certifier:	Joel Renaudo
Certifier Title:	HSE Specialist
Certification Date:	11-MAR-15
Primary Sic:	2869-Industrial Organic Chemicals, NEC
Secondary Sic:	2879-Pesticides and Agricultural Chemicals, NEC
Tertiary Sic:	Not reported

Name:	TAFT MANUFACTURING LLC
Address:	19815 SOUTH LAKE ROAD
City,State,Zip:	TAFT, CA 93389
Facility Status:	Active
NPDES Number:	CAS000001
Region:	5F
Agency Number:	0
Regulatory Measure ID:	196064
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	5F15I000619
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/16/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	19815 South Lake Road
Discharge Name:	Baker Petrolite Corp
Discharge City:	Taft
Discharge State:	California
Discharge Zip:	93268
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5F
Regulatory Measure ID:	196064
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee

TAFT MANUFACTURING LLC (Continued) **S104857762**

Place ID:	Not reported
WDID:	5F15I000619
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/16/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Baker Petrolite Corp
Discharge Address:	19815 South Lake Road
Discharge City:	Taft
Discharge State:	California
Discharge Zip:	93268
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

TAFT MANUFACTURING LLC (Continued) **S104857762**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5F
Regulatory Measure ID:	196064
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5F15I000619
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/16/1992
Status:	Active
Status Date:	03/16/1992
Place Size:	11.2
Place Size Unit:	Acres
Contact:	Joel Renaudo
Contact Title:	HSE Specialist
Contact Phone:	661-763-7111
Contact Phone Ext:	Not reported
Contact Email:	joel.renaudo@bakerhughes.com
Operator Name:	Baker Petrolite Corp
Operator Address:	19815 South Lake Road
Operator City:	Taft
Operator State:	California
Operator Zip:	93268
Operator Contact:	Joel Renaudo
Operator Contact Title:	HSE Specialist
Operator Contact Phone:	661-763-7111
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	joel.renaudo@bakerhughes.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California

TAFT MANUFACTURING LLC (Continued) **S104857762**

Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	661-763-7100
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Buena Vista Lake
Certifier:	Joel Renaudo
Certifier Title:	HSE Specialist
Certification Date:	11-MAR-15
Primary Sic:	2869-Industrial Organic Chemicals, NEC
Secondary Sic:	2879-Pesticides and Agricultural Chemicals, NEC
Tertiary Sic:	Not reported

WDS:

Name:	TAFT PRODUCTION FACILITY
Address:	19815 S Lake Rd
City:	TAFT
Facility ID:	San Joaquin 15NC00007
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	BAKER PETROLITE CORP
Agency Address:	12645 West Airport Blvd
Agency City,St,Zip:	Sugar Land 774875050
Agency Contact:	Glenn Yandell
Agency Telephone:	2812757207
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported

TAFT MANUFACTURING LLC (Continued) **S104857762**

Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CERS:

Name:	TAFT MANUFACTURING LLC
Address:	19815 SOUTH LAKE ROAD
City,State,Zip:	TAFT, CA 93268
Site ID:	73716
CERS ID:	93268TFTCR19815
CERS Description:	Toxic Release Inventory

Enforcement Action:

Site ID:	73716
Site Name:	TAFT MANUFACTURING LLC
Site Address:	19815 SOUTH LAKE ROAD
Site City:	TAFT
Site Zip:	93268
Enf Action Date:	01-05-2010
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Benchmark exceedances.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	73716
Site Name:	TAFT MANUFACTURING LLC
Site Address:	19815 SOUTH LAKE ROAD
Site City:	TAFT
Site Zip:	93268
Enf Action Date:	04-03-2012
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Letter on 3 April 2012 from Fresno Office, RWQCB commenting on exceeding benchmark values for storm water runoff
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

TAFT MANUFACTURING LLC (Continued) **S104857762**

Site ID: 73716
Site Name: TAFT MANUFACTURING LLC
Site Address: 19815 SOUTH LAKE ROAD
Site City: TAFT
Site Zip: 93268
Enf Action Date: 08-04-2008
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Letter requesting BMP modifications due to sampling benchmark exceedance, modifications submitted 9/5/08.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 73716
Site Name: TAFT MANUFACTURING LLC
Site Address: 19815 SOUTH LAKE ROAD
Site City: TAFT
Site Zip: 93268
Enf Action Date: 08-04-2008
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Letter requesting incomplete forms, submitted on 9/5/08.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Company Official
Entity Name: Robert Misuraca
Entity Title: Sr Manufacturing Staff Manager/Plant Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 93268
Affiliation Phone: Not reported

Affiliation Type Desc: Owner/Operator
Entity Name: Baker Petrolite Corp
Entity Title: Operator
Affiliation Address: 19815 South Lake Road
Affiliation City: Taft
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93268
Affiliation Phone: Not reported

Affiliation Type Desc: Technical Contact
Entity Name: Joel Renaudo
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 93268
Affiliation Phone: 6617637111

TAFT MANUFACTURING LLC (Continued) **S104857762**

Affiliation Type Desc:	Public Contact
Entity Name:	Robert Misuraca
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	6617637103

Affiliation Type Desc:	Parent Company
Entity Name:	Baker Hughes Holdings LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	Not reported

Name:	TAFT MANUFACTURING LLC
Address:	19815 SOUTH LAKE ROAD
City,State,Zip:	TAFT, CA 93268
Site ID:	73716
CERS ID:	208564
CERS Description:	Industrial Facility Storm Water

Enforcement Action:

Site ID:	73716
Site Name:	TAFT MANUFACTURING LLC
Site Address:	19815 SOUTH LAKE ROAD
Site City:	TAFT
Site Zip:	93268
Enf Action Date:	01-05-2010
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Benchmark exceedances.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	73716
Site Name:	TAFT MANUFACTURING LLC
Site Address:	19815 SOUTH LAKE ROAD
Site City:	TAFT
Site Zip:	93268
Enf Action Date:	04-03-2012
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Letter on 3 April 2012 from Fresno Office, RWQCB commenting on exceeding benchmark values for storm water runoff
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	73716
Site Name:	TAFT MANUFACTURING LLC

TAFT MANUFACTURING LLC (Continued) **S104857762**

Site Address:	19815 SOUTH LAKE ROAD
Site City:	TAFT
Site Zip:	93268
Enf Action Date:	08-04-2008
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Letter requesting BMP modifications due to sampling benchmark exceedance, modifications submitted 9/5/08.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	73716
Site Name:	TAFT MANUFACTURING LLC
Site Address:	19815 SOUTH LAKE ROAD
Site City:	TAFT
Site Zip:	93268
Enf Action Date:	08-04-2008
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Letter requesting incomplete forms, submitted on 9/5/08.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	Robert Misuraca
Entity Title:	Sr Manufacturing Staff Manager/Plant Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	Not reported

Affiliation Type Desc:	Owner/Operator
Entity Name:	Baker Petrolite Corp
Entity Title:	Operator
Affiliation Address:	19815 South Lake Road
Affiliation City:	Taft
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	Not reported

Affiliation Type Desc:	Technical Contact
Entity Name:	Joel Renaudo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	6617637111

Affiliation Type Desc:	Public Contact

TAFT MANUFACTURING LLC (Continued) **S104857762**

Entity Name:	Robert Misuraca
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	6617637103
Affiliation Type Desc:	Parent Company
Entity Name:	Baker Hughes Holdings LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	Not reported

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50 ESE > 1 2.851 mi. 15051 ft. **STURGEON SERVICES INTERNATIONAL, INC.** **FINDS** **1024424858**
11164 COPUS ROAD **N/A**
BAKERSFIELD, CA 93313

Relative: Lower
Actual: 327 ft.

FINDS:
Registry ID: 110070344680

Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

O51 NE > 1 2.887 mi. 15244 ft. **KERN COUNTY RANCH - KERN LAKE TIME ROOM** **RMP** **1017426424**
27865 ASH ROAD **N/A**
BAKERSFIELD, CA 93311
Site 1 of 2 in cluster O

Relative: Lower
Actual: 282 ft.

RMP:

Facility ID:	1000047432
Name:	KERN COUNTY RANCH - KERN LAKE TIME ROOM
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Dennis Tristao
Emergency contact title:	Environmental Affairs Manager
Emergency contact telephone:	5599922141
24 hour emergency telephone:	5598160835
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2014-09-09 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner’s address:	Not reported
Foreign owner’s zip:	Not reported
Foreign owner’s country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-11-07 00:00:00
Date of error Report:	Not reported
Date RMP received:	2014-11-07 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2014-11-07 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2019-11-07 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	Not reported
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Emergency Responses:

ER plan most recent review date:	2014-05-30 00:00:00
ER plan most recent employee training date:	2014-05-16 00:00:00
Local agency coordinating ER plan:	KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency:	6618628757
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	1000059182
Optional facility description:	Chlorine Storage
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2014-10-31 00:00:00
Most recent PHA date:	2014-10-31 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2014-11-05 00:00:00
Major Hazard:	Toxic Release, Fire, Overfilling, Ton cylinder dropped during delivery.
Process Control:	None
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2014-10-31 00:00:00
Most recent training progs review/update:	2014-10-31 00:00:00
Training:	Not reported
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2014-10-31 00:00:00
Most recent equipment inspection date:	2014-10-31 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2014-09-09 00:00:00
Date of most recent review/update:	2014-10-31 00:00:00
Date of pre-start review:	2014-10-31 00:00:00
Most recent compliance audit date:	2014-05-16 00:00:00
Expected date of audit completion:	2014-11-05 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2014-10-31 00:00:00
Date of hot work permit review:	2014-10-31 00:00:00
Date of contractor safety review:	2014-10-31 00:00:00
Date of contractor safety eval. review:	2014-10-31 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	40000

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Facility ID:	1000065879
Name:	KERN COUNTY RANCH - KL SITES 18,22,23,28,29,30,31
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Dennis Tristao
Emergency contact title:	Environmental Affairs Manager
Emergency contact telephone:	5599922141
24 hour emergency telephone:	5598160835
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2017-08-15 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2017-10-03 00:00:00
Date of error Report:	Not reported
Date RMP received:	2017-10-03 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2017-10-03 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2022-10-03 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	Not reported
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2017-08-04 00:00:00
ER plan most recent employee training date:	2017-08-15 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Local agency coordinating ER plan:	KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency:	6618628757
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	1000082485
Optional facility description:	Kern Lake Storage Site 31
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	20000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Process ID:	1000082486
Optional facility description:	Irrigation Site 18
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	8000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Process ID:	1000082487
Optional facility description:	Irrigation Site 22
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Process ID:	1000082488
Optional facility description:	Irrigation Site 23
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process Chemicals:
Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082489
Optional facility description: Irrigation Site 28
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2017-08-04 00:00:00
Most recent training progs review/update: 2017-08-04 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082490

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Optional facility description: Irrigation Site 29
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2017-08-04 00:00:00
Most recent training progs review/update: 2017-08-04 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082491
Optional facility description: Irrigation Site 30
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Facility ID:	1000073223
Name:	KERN COUNTY RANCH - KERN LAKE
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Charlie Riddle
Emergency contact title:	Ranch Manager
Emergency contact telephone:	6613303054
24 hour emergency telephone:	6613303054
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2018-08-01 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2018-10-09 00:00:00
Date of error Report:	Not reported
Date RMP received:	2018-10-09 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2018-10-09 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2023-10-09 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	Not reported
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2017-08-04 00:00:00
ER plan most recent employee training date:	2017-08-15 00:00:00
Local agency coordinating ER plan:	KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency:	6618628757
Federal regulation:	True
OSHA 1910 120:	False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	1000091421
Optional facility description:	Irrigation Site 24
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Process ID:	1000091422
Optional facility description:	Kern Lake Storage Site 30
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Overpressurization, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00

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Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	20000

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Process ID:	1000091423
Optional facility description:	Irrigation Site 27
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported

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Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Process ID:	1000091424
Optional facility description:	Irrigation Site 16
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Process ID: 1000091425
Optional facility description: Irrigation Site 26
Program level: 3
Record contains CBI data: False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2018-01-23 00:00:00
Most recent training progs review/update: 2018-05-03 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Worst Case:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA’s RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Facility ID:	1000077194
Name:	KERN COUNTY RANCH - KERN LAKE
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Charlie Riddle
Emergency contact title:	Ranch Manager
Emergency contact telephone:	6613303054
24 hour emergency telephone:	6613303054
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2018-08-01 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2019-03-25 00:00:00
Date of error Report:	Not reported
Date RMP received:	2019-03-25 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: False
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2019-03-25 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2024-03-25 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: Not reported
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: 2017-08-04 00:00:00
ER plan most recent employee training date: 2017-08-15 00:00:00
Local agency coordinating ER plan: KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency: 6618628757
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: False
Other Regulations: Not reported

Processes:
Process ID: 1000096075
Optional facility description: Kern Lake Yard
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2019-03-13 00:00:00
Most recent PHA date: 2019-03-13 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2019-03-13 00:00:00
Major Hazard: Toxic Release, Fire, Overpressurization, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2019-03-13 00:00:00
Most recent training progs review/update: 2018-05-03 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-03-13 00:00:00
Expected date of audit completion:	2019-03-13 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	20000

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process ID:	1000096076
Optional facility description:	Paloma Station (South)
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2019-03-13 00:00:00
Most recent PHA date:	2019-03-13 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-03-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-03-13 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-03-13 00:00:00
Expected date of audit completion:	2019-03-13 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	6000

Process ID:	1000096077
Optional facility description:	Paloma Station (North)
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2019-03-13 00:00:00
Most recent PHA date:	2019-03-13 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-03-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-03-13 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-03-13 00:00:00
Expected date of audit completion:	2019-03-13 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	6000

Facility ID:	1000083439
Name:	KERN COUNTY RANCH - KERN LAKE
Address:	27865 ASH ROAD
Address 2:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Charlie Riddle
Emergency contact title:	Ranch Manager
Emergency contact telephone:	6613303054
24 hour emergency telephone:	6613303054
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2019-02-19 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner’s address:	Not reported
Foreign owner’s zip:	Not reported
Foreign owner’s country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2019-11-04 00:00:00
Date of error Report:	Not reported
Date RMP received:	2019-11-04 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2019-11-04 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Date de-registration is effective: Not reported
Aniversary date: 2024-11-04 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: Not reported
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency: 6618628757
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000104287
Optional facility description: Kern Lake Yard
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2019-03-13 00:00:00
Most recent PHA date: 2019-03-13 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2019-05-13 00:00:00
Major Hazard: Toxic Release, Fire, Overpressurization, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2019-02-28 00:00:00
Most recent training progs review/update: 2019-04-05 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2019-02-28 00:00:00
Most recent equipment inspection date: 2019-02-28 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2018-11-06 00:00:00
Date of most recent review/update: 2018-11-06 00:00:00
Date of pre-start review: 2019-03-13 00:00:00
Most recent compliance audit date: 2019-08-08 00:00:00
Expected date of audit completion: 2019-09-08 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Date of participation plan review: 2019-02-28 00:00:00
Date of hot work permit review: 2019-02-28 00:00:00
Date of contractor safety review: 2019-02-28 00:00:00
Date of contractor safety eval. review: 2019-02-28 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: a
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Chemical name: Chlorine
Process chemical qty in 100s lbs: 20000

Process ID: 1000104288
Optional facility description: Paloma Station (South)
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Prevention Program 3:

Safety review date:	2019-03-13 00:00:00
Most recent PHA date:	2019-03-13 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-05-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-02-28 00:00:00
Most recent training progs review/update:	2019-04-05 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2019-02-28 00:00:00
Most recent equipment inspection date:	2019-02-28 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-08-08 00:00:00
Expected date of audit completion:	2019-09-08 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2019-02-28 00:00:00
Date of hot work permit review:	2019-02-28 00:00:00
Date of contractor safety review:	2019-02-28 00:00:00
Date of contractor safety eval. review:	2019-02-28 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	6000

Process ID:	1000104289
Optional facility description:	Paloma Station (North)
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2019-03-13 00:00:00
Most recent PHA date:	2019-03-13 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-05-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-02-28 00:00:00
Most recent training progs review/update:	2019-04-05 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2019-02-28 00:00:00
Most recent equipment inspection date:	2019-02-28 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-08-08 00:00:00
Expected date of audit completion:	2019-08-08 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2019-02-28 00:00:00
Date of hot work permit review:	2019-02-28 00:00:00
Date of contractor safety review:	2019-02-28 00:00:00
Date of contractor safety eval. review:	2019-02-28 00:00:00
Record has CBI data:	False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Chemical name: Chlorine
Process chemical qty in 100s lbs: 6000

O52 **KERN COUNTY RANCH - KERN LAKE** **FINDS** **1017721585**
NE **27865 ASH ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.887 mi.
15244 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**
Actual: **282 ft.**

FINDS:
Registry ID: 110062901123

Click Here:

Environmental Interest/Information System:
US EPA Risk Management Plan (RMP) database stores the risk management

KERN COUNTY RANCH - KERN LAKE (Continued) **1017721585**

plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P53 **SATTAR SLAUGHTERHOUSE** **CERS** **S121757495**
WSW **15751 COPUS** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.892 mi.
15272 ft. **Site 1 of 2 in cluster P**

Relative: **Lower**

Actual: **0 ft.**

CERS:

Name:	SATTAR SLAUGHTERHOUSE
Address:	15751 COPUS
City,State,Zip:	BAKERSFIELD, CA 93311
Site ID:	268779
CERS ID:	757129
CERS Description:	Unregulated

P54 **SATTAR SLAUGHTERHOUSE** **FINDS** **1023236163**
WSW **15751 COPUS** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.892 mi.
15272 ft. **Site 2 of 2 in cluster P**

Relative: **Lower**

Actual: **0 ft.**

FINDS:
Registry ID: 110065236462

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Count: 6 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BAKERSFIELD	S107539655		OLD RIVER RD 1.5 N COPAS RD		CDL
KERN COUNTY	S107538894		I-5, 3 MILES NORTH GRAPEVINE		CDL
KERN COUNTY	S107539569		NORTH BOUND I-5 NEAR GRAPEVINE		CDL
KERN COUNTY	S107538048		CHP SCALES @ GRAPEVINE/SB I-5		CDL
KERN COUNTY	S107539576		NORTH I-5 AT 99 INTERCHANGE		CDL
KERN COUNTY	S107541011		VEH STOP: NB I-5 @ CALIF 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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/26/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/26/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

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: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
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: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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 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: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
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 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 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: 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 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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

CPS-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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

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: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/15/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 08/23/2021
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: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
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: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/19/2021
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

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

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

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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

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: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

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: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
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: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
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: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
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: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
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: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/13/2021
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: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 08/16/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 08/02/2021
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: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
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: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
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: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

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: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
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: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
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: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
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: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
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: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
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: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

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: 03/01/2021
Date Data Arrived at EDR: 03/04/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/09/2021
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
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: 02/08/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
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: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/07/2021
Number of Days to Update: 79

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
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: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/05/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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 boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Historical Auto 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 Historical 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:

CS ALAMEDA: 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: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/17/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 80

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: 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: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: 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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 03/11/2021
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: 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: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/21/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 79

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 01/08/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: 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: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

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

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/02/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

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

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/26/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: 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: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: 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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: 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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: 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: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: 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: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

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

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/06/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

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

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: 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: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: 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

LUST SANTA CLARA: 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: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/06/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 71

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: 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: 12/28/2020
Date Data Arrived at EDR: 01/29/2021
Date Made Active in Reports: 04/22/2021
Number of Days to Update: 83
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

LF VENTURA: 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: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: 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: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: 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: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/24/2021
Next Scheduled EDR Contact: 08/09/2021
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: 10/05/2020
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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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 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 and Wildlife
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

SANDRINI SOLAR SITE#1 W
OLD RIVER RD
BAKERSFIELD, CA 93313

TARGET PROPERTY COORDINATES

Latitude (North):	35.109392 - 35° 6' 33.81''
Longitude (West):	119.1041 - 119° 6' 14.76''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	308234.1
UTM Y (Meters):	3887002.2
Elevation:	331 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012
Northeast Map:	5639068 CONNER, CA
Version Date:	2012
Southwest Map:	5639471 CONNER SW, CA
Version Date:	2012
Northwest Map:	5639501 MILLUX, 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 principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

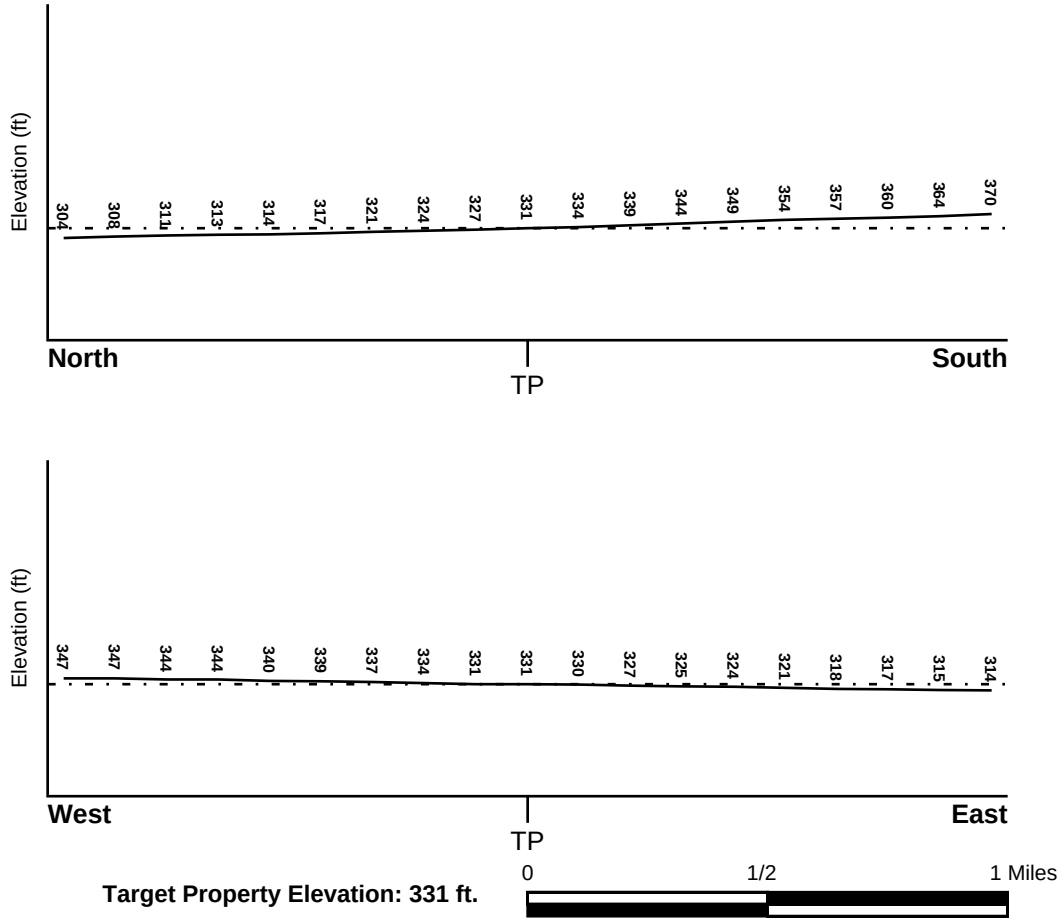
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06029C3125E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
COAL OIL CANYON	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).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name:	BUTTONWILLOW
Soil Surface Texture:	clay
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. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	28 inches	clay	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: 0.20 Min: 0.06	Max: 8.40 Min: 7.90
2	28 inches	55 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
3	55 inches	64 inches	clay	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: 0.20 Min: 0.06	Max: 8.40 Min: 7.90

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: stratified

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	3.000
Federal FRDS PWS	Nearest PWS within 3.000 miles
State Database	3.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000160596	1/4 - 1/2 Mile SE
B3	USGS40000160652	1/4 - 1/2 Mile West
A5	USGS40000160646	1/2 - 1 Mile East
A6	USGS40000160645	1/2 - 1 Mile East
A7	USGS40000160648	1/2 - 1 Mile East
A8	USGS40000160647	1/2 - 1 Mile East
19	USGS40000160700	1/2 - 1 Mile WNW
D22	USGS40000160741	1/2 - 1 Mile NW
23	USGS40000160710	1/2 - 1 Mile WNW
34	USGS40000160760	1/2 - 1 Mile NW
G37	USGS40000160492	1/2 - 1 Mile SSW
H41	USGS40000160486	1 - 2 Miles SSE
43	USGS40000160742	1 - 2 Miles WNW
I44	USGS40000160498	1 - 2 Miles SSW
I45	USGS40000160493	1 - 2 Miles SSW
J48	USGS40000160574	1 - 2 Miles WSW
K54	USGS40000160437	1 - 2 Miles SSW
61	USGS40000160814	1 - 2 Miles NNE
62	USGS40000160833	1 - 2 Miles North
63	USGS40000160438	1 - 2 Miles SW
65	USGS40000160649	1 - 2 Miles West
N67	USGS40000160396	1 - 2 Miles South
N68	USGS40000160397	1 - 2 Miles South
O71	USGS40000160387	1 - 2 Miles South
P74	USGS40000160497	1 - 2 Miles ESE
76	USGS40000160388	1 - 2 Miles SSW
77	USGS40000160484	1 - 2 Miles SW
78	USGS40000160491	1 - 2 Miles ESE
S83	USGS40000160696	1 - 2 Miles West
87	USGS40000160682	1 - 2 Miles West
T88	USGS40000160584	1 - 2 Miles WSW
U89	USGS40000160717	1 - 2 Miles WNW
V93	USGS40000160518	1 - 2 Miles WSW
W95	USGS40000160364	1 - 2 Miles SSW
X100	USGS40000160901	1 - 2 Miles North
Y105	USGS40000160906	2 - 3 Miles North
Z109	USGS40000160588	2 - 3 Miles East
AB110	USGS40000160506	2 - 3 Miles WSW
AC111	USGS40000160324	2 - 3 Miles South
AB112	USGS40000160519	2 - 3 Miles WSW
114	USGS40000160379	2 - 3 Miles SW
AC115	USGS40000160323	2 - 3 Miles South
118	USGS40000160304	2 - 3 Miles South
119	USGS40000160322	2 - 3 Miles SSE
AD120	USGS40000160341	2 - 3 Miles SSW
121	USGS40000160439	2 - 3 Miles WSW
AE123	USGS40000160321	2 - 3 Miles SSE
AF127	USGS40000160284	2 - 3 Miles South
AG128	USGS40000160278	2 - 3 Miles South
131	USGS40000160277	2 - 3 Miles South
135	USGS40000160483	2 - 3 Miles ESE
136	USGS40000160320	2 - 3 Miles SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
143	USGS40000160909	2 - 3 Miles NE
AH144	USGS40000160889	2 - 3 Miles NE
AI145	USGS40000160950	2 - 3 Miles North
147	USGS40000160520	2 - 3 Miles WSW
AJ151	USGS40000160888	2 - 3 Miles NE
AJ152	USGS40000160905	2 - 3 Miles NE
AK156	USGS40000160220	2 - 3 Miles South
159	USGS40000160343	2 - 3 Miles SE
AM161	USGS40000160305	2 - 3 Miles SW
164	USGS40000160219	2 - 3 Miles SSE
AN165	USGS40000160592	2 - 3 Miles East
AN167	USGS40000160591	2 - 3 Miles East
AO176	USGS40000160802	2 - 3 Miles ENE
AP177	USGS40000160311	2 - 3 Miles SE
178	USGS40000160312	2 - 3 Miles SW
AQ182	USGS40000160214	2 - 3 Miles SSW
AS187	USGS40000160380	2 - 3 Miles SW
194	USGS40000160672	2 - 3 Miles West
AU199	USGS40000160466	2 - 3 Miles ESE
AU201	USGS40000160465	2 - 3 Miles ESE
AW203	USGS40000160221	2 - 3 Miles SSW
AX206	USGS40000160957	2 - 3 Miles NNW
208	USGS40000160423	2 - 3 Miles ESE
209	USGS40000160879	2 - 3 Miles NW
AV210	USGS40000160998	2 - 3 Miles North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
49	CA1502154	1 - 2 Miles SSW

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADWR8000016122	1/4 - 1/2 Mile East
4	CADWR0000027445	1/2 - 1 Mile ESE
A9	CAUSGSN00001678	1/2 - 1 Mile East
A10	CAUSGSN00009322	1/2 - 1 Mile East
A11	CAUSGSN00008208	1/2 - 1 Mile East
A12	CAUSGSN00002696	1/2 - 1 Mile East
B13	CADWR8000016125	1/2 - 1 Mile West
14	CADWR0000034031	1/2 - 1 Mile South
15	CADWR8000016164	1/2 - 1 Mile NW
16	CADWR8000016198	1/2 - 1 Mile NNW
17	CADWR8000016113	1/2 - 1 Mile West
18	CADWR8000016041	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C20	CADWR0000013065	1/2 - 1 Mile South
D21	CADWR0000033376	1/2 - 1 Mile NW
C24	CADWR8000016006	1/2 - 1 Mile South
E25	CADWR0000029078	1/2 - 1 Mile SSE
E26	CADWR8000016008	1/2 - 1 Mile SSE
27	CADPR0000004443	1/2 - 1 Mile SE
28	CADWR8000016177	1/2 - 1 Mile ENE
29	CADWR8000016192	1/2 - 1 Mile NW
30	CADWR0000034057	1/2 - 1 Mile NNE
31	CADWR0000016166	1/2 - 1 Mile NE
F32	CADWR0000025062	1/2 - 1 Mile WSW
F33	CADWR0000001611	1/2 - 1 Mile WSW
35	CADWR0000006332	1/2 - 1 Mile South
36	CADWR0000000435	1/2 - 1 Mile WNW
G38	CADDW0000013702	1 - 2 Miles SSW
G39	CADWR0000033350	1 - 2 Miles SSW
G40	CADWR8000015980	1 - 2 Miles SSW
H42	CAUSGSN00001185	1 - 2 Miles SSE
G46	CADWR8000015969	1 - 2 Miles SSW
I47	CADWR8000015981	1 - 2 Miles SSW
J50	CADWR8000016045	1 - 2 Miles WSW
51	CADWR8000016238	1 - 2 Miles NE
52	CADWR0000016144	1 - 2 Miles SE
53	CADWR8000016262	1 - 2 Miles NW
55	CADPR0000004611	1 - 2 Miles South
L56	CADWR8000016114	1 - 2 Miles West
L57	CADWR0000002044	1 - 2 Miles West
M58	CADWR8000015958	1 - 2 Miles SE
M59	CADWR0000020659	1 - 2 Miles SE
K60	CADWR8000015944	1 - 2 Miles SSW
64	CADPR0000001665	1 - 2 Miles NNE
66	CADWR0000026282	1 - 2 Miles East
N69	CADWR8000015912	1 - 2 Miles South
O70	CADWR8000015911	1 - 2 Miles South
P72	CADWR8000015986	1 - 2 Miles ESE
Q73	CADWR8000015901	1 - 2 Miles South
Q75	CADWR8000015893	1 - 2 Miles South
79	CADWR0000036794	1 - 2 Miles SW
R80	CADWR0000034667	1 - 2 Miles West
R81	CADWR0000014945	1 - 2 Miles West
S82	CAUSGSN00008084	1 - 2 Miles West
R84	CADWR8000016116	1 - 2 Miles West
R85	CADWR8000016115	1 - 2 Miles West
R86	CADWR0000019645	1 - 2 Miles West
S90	CADWR8000016157	1 - 2 Miles West
91	CADDW0000013005	1 - 2 Miles ESE
T92	CADWR8000016051	1 - 2 Miles WSW
U94	CADWR8000016167	1 - 2 Miles WNW
W96	CAUSGSN00018113	1 - 2 Miles SSW
97	CADWR0000013040	1 - 2 Miles North
V98	CADWR8000015995	1 - 2 Miles WSW
99	CADWR0000011976	1 - 2 Miles East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
X101	CADWR8000016377	1 - 2 Miles North
Y102	CADWR0000020929	2 - 3 Miles North
Z103	CADWR8000016057	2 - 3 Miles East
Y104	CAUSGSN00013698	2 - 3 Miles North
Y106	CADWR8000016382	2 - 3 Miles North
AA107	CADWR0000011341	2 - 3 Miles SSW
AA108	CADWR0000000396	2 - 3 Miles SSW
AC113	CADWR8000015863	2 - 3 Miles South
116	CADWR8000015970	2 - 3 Miles WSW
117	CADWR0000017773	2 - 3 Miles SSW
AE122	CADWR0000020653	2 - 3 Miles SSE
AD124	CADWR0000029761	2 - 3 Miles SSW
AF125	CADWR8000015841	2 - 3 Miles South
126	CADWR8000015836	2 - 3 Miles South
AG129	CADWR8000015830	2 - 3 Miles South
130	CADWR8000015840	2 - 3 Miles SSE
132	CADWR0000027106	2 - 3 Miles NNW
133	CADWR8000015842	2 - 3 Miles SSW
134	CADWR8000016384	2 - 3 Miles NNW
137	CADWR0000018601	2 - 3 Miles South
138	CADWR8000015848	2 - 3 Miles SSE
139	CADWR0000008179	2 - 3 Miles South
140	CADWR0000012464	2 - 3 Miles SE
141	CADWR0000018306	2 - 3 Miles SW
AH142	CADWR8000016368	2 - 3 Miles NE
AI146	CADWR8000016424	2 - 3 Miles North
AH148	CADWR0000015264	2 - 3 Miles NE
AJ149	CAUSGSN00015587	2 - 3 Miles NE
AJ150	CAUSGSN00016216	2 - 3 Miles NE
AH153	CADWR8000016379	2 - 3 Miles NE
AH154	CADWR8000016378	2 - 3 Miles NE
AK155	CADWR8000015791	2 - 3 Miles South
AL157	CADWR0000015986	2 - 3 Miles NE
AL158	CADWR8000016381	2 - 3 Miles NE
160	CADWR8000015790	2 - 3 Miles SSE
AM162	CAUSGSN00002437	2 - 3 Miles SW
163	CADWR8000015971	2 - 3 Miles WSW
AN166	CAUSGSN00008086	2 - 3 Miles East
168	CADWR8000015873	2 - 3 Miles SE
169	CADWR0000037578	2 - 3 Miles SSW
170	CADWR0000018240	2 - 3 Miles SSE
AN171	CADWR8000016067	2 - 3 Miles East
172	CADWR8000016158	2 - 3 Miles East
AO173	CADWR8000016268	2 - 3 Miles ENE
174	CADWR8000015859	2 - 3 Miles SE
175	CADWR0000011711	2 - 3 Miles South
179	CADWR0000013880	2 - 3 Miles SSE
AP180	CADWR8000015850	2 - 3 Miles SE
181	CADWR8000016321	2 - 3 Miles WNW
183	CADWR0000022624	2 - 3 Miles SSE
AR184	CADWR8000016117	2 - 3 Miles West
AR185	CADWR0000012415	2 - 3 Miles West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AR186	CADWR0000028546	2 - 3 Miles West
AQ188	CADWR8000015786	2 - 3 Miles SSW
189	CADWR0000024343	2 - 3 Miles SE
AT190	CADWR0000015052	2 - 3 Miles SW
AT191	CADWR8000015843	2 - 3 Miles SW
AS192	CADWR8000015902	2 - 3 Miles SW
AS193	CADWR0000033243	2 - 3 Miles SW
195	CADWR0000008895	2 - 3 Miles NW
196	CADPR0000000972	2 - 3 Miles SSE
197	CADWR0000026796	2 - 3 Miles ENE
198	CADWR0000006346	2 - 3 Miles SSE
200	CADWR0000005341	2 - 3 Miles SSW
AV202	CADWR8000016459	2 - 3 Miles North
AX204	CAUSGSN00015852	2 - 3 Miles NNW
AW205	CAUSGSN00004004	2 - 3 Miles SSW
AV207	CAUSGSN00007844	2 - 3 Miles North

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

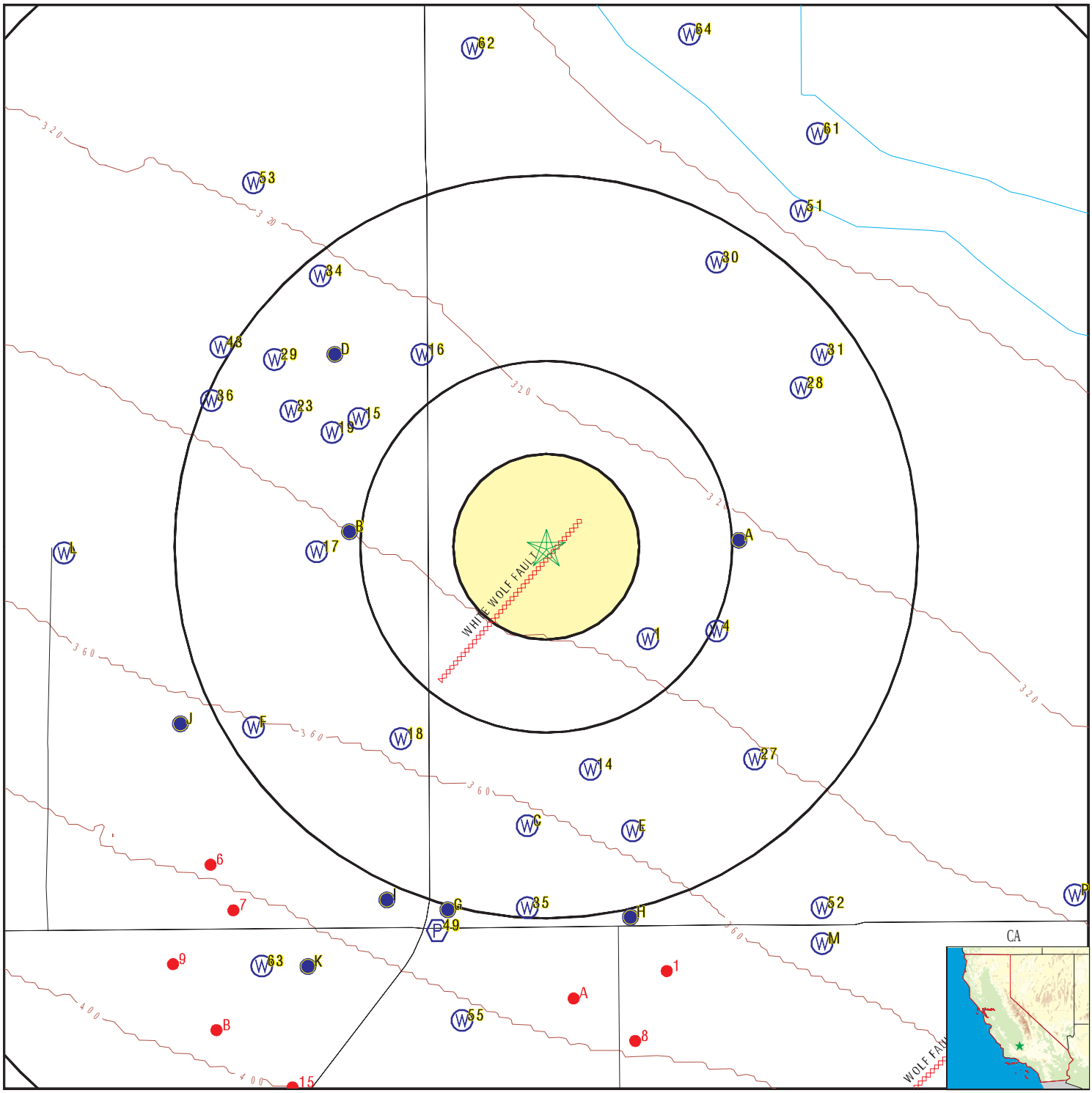
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000003860	1 - 2 Miles SSE
A2	CAOG14000236515	1 - 2 Miles South
A3	CAOG14000236512	1 - 2 Miles South
A4	CAOG14000236516	1 - 2 Miles South
A5	CAOG14000236510	1 - 2 Miles South
6	CAOG14000004430	1 - 2 Miles SW
7	CAOG14000234585	1 - 2 Miles SW
8	CAOG14000236086	1 - 2 Miles South
9	CAOG14000003867	1 - 2 Miles SW
10	CAOG14000202104	1 - 2 Miles South
B12	CAOG14000202122	1 - 2 Miles SW
B11	CAOG14000202096	1 - 2 Miles SW
B13	CAOG14000202115	1 - 2 Miles SW
14	CAOG14000202112	1 - 2 Miles South
15	CAOG14000202118	1 - 2 Miles SSW
16	CAOG14000202117	1 - 2 Miles SSW
17	CAOG14000004233	1 - 2 Miles North
18	CAOG14000202114	1 - 2 Miles South
19	CAOG14000202111	1 - 2 Miles South
20	CAOG14000202116	1 - 2 Miles SSW
21	CAOG14000202107	1 - 2 Miles South
22	CAOG14000202100	2 - 3 Miles SSW
23	CAOG14000202108	2 - 3 Miles South
24	CAOG14000202109	2 - 3 Miles SSW
C25	CAOG14000014156	2 - 3 Miles WSW
26	CAOG14000202113	2 - 3 Miles SSW
C27	CAOG14000014155	2 - 3 Miles WSW
28	CAOG14000202110	2 - 3 Miles South
C29	CAOG14000234859	2 - 3 Miles WSW
C30	CAOG14000237705	2 - 3 Miles WSW
C31	CAOG14000237707	2 - 3 Miles WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C32	CAOG14000235391	2 - 3 Miles WSW
33	CAOG14000002561	2 - 3 Miles North
34	CAOG14000202126	2 - 3 Miles SSE
35	CAOG14000202105	2 - 3 Miles SSW
36	CAOG14000202125	2 - 3 Miles SSE
37	CAOG14000202102	2 - 3 Miles South
38	CAOG14000202101	2 - 3 Miles South
39	CAOG14000202103	2 - 3 Miles SW
D40	CAOG14000202097	2 - 3 Miles SSE
41	CAOG14000002559	2 - 3 Miles NE
D42	CAOG14000202099	2 - 3 Miles SSE
D43	CAOG14000202098	2 - 3 Miles SSE
44	CAOG14000202106	2 - 3 Miles SSW
E45	CAOG14000202121	2 - 3 Miles South
E46	CAOG14000202123	2 - 3 Miles South
47	CAOG14000202119	2 - 3 Miles South
48	CAOG14000202120	2 - 3 Miles SSW
49	CAOG14000002558	2 - 3 Miles NNE
50	CAOG14000004158	2 - 3 Miles SW
51	CAOG14000208798	2 - 3 Miles SSW
52	CAOG14000003531	2 - 3 Miles SW
53	CAOG14000208792	2 - 3 Miles SSW
54	CAOG14000003302	2 - 3 Miles NW

PHYSICAL SETTING SOURCE MAP - 6543957.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Sandrini Solar Site#1 W	CLIENT:	KTA Associates, Inc.
ADDRESS:	Old River Rd Bakersfield CA 93313	CONTACT:	Martin Griesse-Nascimento
LAT/LONG:	35.109392 / 119.1041	INQUIRY #:	6543957.2s
		DATE:	June 18, 2021 3:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000160596**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027W32A001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1186
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-29
Feet below surface:	159.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A2
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR8000016122**

State Well #:	32S27E29P001M	Station ID:	38349
Well Name:	32S27E29P001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

B3
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000160652**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1956-09-13
Feet below surface:	19.40	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
ESE
1/2 - 1 Mile
Higher | **CA WELLS** | **CADWR0000027445**

Well ID:	32S27E32A001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32A001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32A001M&store_num=		
GeoTracker Data:	Not Reported		

A5
East
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000160646**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900805	Well Depth:	57
Well Depth Units:	ft	Well Hole Depth:	57
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	7.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1993-07-14	Feet below surface:	6.39
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-05-04	Feet below surface:	6.69
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-24	Feet below surface:	6.46
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-02	Feet below surface:	7.26
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		

Level reading date:	1993-02-05	Feet below surface:	7.58
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-24	Feet below surface:	8.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-01	Feet below surface:	7.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-10-01	Feet below surface:	7.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-09-09	Feet below surface:	7.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-04	Feet below surface:	7.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-01	Feet below surface:	7.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	6.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-30	Feet below surface:	6.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-03	Feet below surface:	6.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-06	Feet below surface:	6.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-31	Feet below surface:	7.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-02	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	7.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	6.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	6.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	6.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	6.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	6.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	7.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	7.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	7.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	7.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-07	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A6
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000160645**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900804	Well Depth:	20
Well Depth Units:	ft	Well Hole Depth:	20
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	7.97	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1993-07-14	Feet below surface:	7.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-04	Feet below surface:	7.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-24	Feet below surface:	7.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-02	Feet below surface:	7.73
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1993-02-05	Feet below surface:	8.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-24	Feet below surface:	8.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-01	Feet below surface:	8.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	8.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-09	Feet below surface:	8.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-04	Feet below surface:	7.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-01	Feet below surface:	8.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-30	Feet below surface:	6.90

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-03	Feet below surface:	7.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-06	Feet below surface:	7.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-31	Feet below surface:	7.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	8.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-02	Feet below surface:	8.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	7.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	7.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	7.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	7.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	7.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	7.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	7.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	7.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	8.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	8.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-07	Feet below surface:	6.94
Feet to sea level:	Not Reported	Note:	Not Reported

A7
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000160648**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P004M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900805	Well Depth:	214
Well Depth Units:	ft	Well Hole Depth:	220
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	75.39	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1993-07-14	Feet below surface:	75.53
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-05-04	Feet below surface:	76.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-24	Feet below surface:	76.43
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-02	Feet below surface:	76.66
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		

Level reading date:	1993-02-05	Feet below surface:	77.07
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-24	Feet below surface:	77.82
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-01	Feet below surface:	78.09
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-10-01	Feet below surface:	78.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-09-09	Feet below surface:	78.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-08-04	Feet below surface:	78.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-07-01	Feet below surface:	78.58
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-06-03	Feet below surface:	78.06
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-04-30	Feet below surface:	78.16
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-04-03	Feet below surface:	78.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-03-06	Feet below surface:	78.44
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-01-31	Feet below surface:	78.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-01-02	Feet below surface:	78.84
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-12-02	Feet below surface:	79.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	80.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	80.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	80.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	78.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	77.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	77.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	77.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	76.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	77.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	76.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-08	Feet below surface:	76.69
Feet to sea level:	Not Reported	Note:	Not Reported

A8
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000160647**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900805	Well Depth:	100
Well Depth Units:	ft	Well Hole Depth:	100
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	11.34	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1993-07-14	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-05-04	Feet below surface:	11.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-24	Feet below surface:	11.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-02	Feet below surface:	12.18
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1993-02-05	Feet below surface:	12.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-24	Feet below surface:	12.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-01	Feet below surface:	12.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	12.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-09	Feet below surface:	12.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-04	Feet below surface:	12.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-01	Feet below surface:	11.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-30	Feet below surface:	11.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-03	Feet below surface:	11.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-06	Feet below surface:	11.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-31	Feet below surface:	12.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	12.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-02	Feet below surface:	12.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	12.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	11.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	11.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	11.50

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	11.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	11.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	11.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	11.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	11.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	11.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-06	Feet below surface:	10.63
Feet to sea level:	Not Reported	Note:	Not Reported

A9
East
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00001678**

Well ID:	USGS-350635119053801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053801&store_num=		
GeoTracker Data:	Not Reported		

A10
East
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00009322**

Well ID:	USGS-350635119053803	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053803	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053803&store_num=		
GeoTracker Data:	Not Reported		

A11
East
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00008208**

Well ID:	USGS-350635119053804	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053804	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053804&store_num=		

GeoTracker Data: Not Reported

A12
East
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00002696**

Well ID:	USGS-350635119053802	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053802	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053802&store_num=		
GeoTracker Data:	Not Reported		

B13
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000016125**

State Well #:	32S27E30R001M	Station ID:	35212
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

14
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000034031**

Well ID:	32S27E32T080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32T080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32T080M&store_num=		
GeoTracker Data:	Not Reported		

15
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000016164**

State Well #:	32S27E30J002M	Station ID:	21425
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

16
NNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000016198**

State Well #:	32S27E30H003M	Station ID:	35211
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

17
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000016113**

State Well #:	32S27E30R061M	Station ID:	24858
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

18
SW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000016041**

State Well #:	32S27E31H061M	Station ID:	38040
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

19
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000160700**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30J001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	103
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-11-22
Feet below surface:	50.60	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C20
South
1/2 - 1 Mile
Higher | **CA WELLS** | **CADWR0000013065**

Well ID:	32S27E32L080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32L080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32L080M&store_num=		
GeoTracker Data:	Not Reported		

D21
NW
1/2 - 1 Mile
Lower | **CA WELLS** | **CADWR0000033376**

Well ID:	32S27E30H001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E30H001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E30H001M&store_num=		
GeoTracker Data:	Not Reported		

D22
NW
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000160741**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

23
WNW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000160710**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30J002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

C24
South **CA WELLS** **CADWR8000016006**
1/2 - 1 Mile
Higher

State Well #:	32S27E32L002M	Station ID:	21428
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

E25
SSE **CA WELLS** **CADWR0000029078**
1/2 - 1 Mile
Higher

Well ID:	32S27E32L001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32L001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32L001M&store_num=		
GeoTracker Data:	Not Reported		

E26
SSE **CA WELLS** **CADWR8000016008**
1/2 - 1 Mile
Higher

State Well #:	32S27E32L001M	Station ID:	35213
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

27
SE **CA WELLS** **CADPR0000004443**
1/2 - 1 Mile
Higher

Well ID:	88225	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	88225	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=88225&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

28
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000016177**

State Well #:	32S27E28M001M	Station ID:	21423
Well Name:	32S27E28M001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

29
NW
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000016192**

State Well #:	32S27E30G001M	Station ID:	21424
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

30
NNE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000034057**

Well ID:	32S27E29A001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E29A001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E29A001M&store_num=		
GeoTracker Data:	Not Reported		

31
NE
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000016166**

Well ID:	32S27E28E001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E28E001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E28E001M&store_num=		
GeoTracker Data:	Not Reported		

F32
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000025062**

Well ID:	32S27E31G081M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E31G081M	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E31G081M&store_num=
GeoTracker Data: Not Reported

F33
WSW **CA WELLS** **CADWR0000001611**
1/2 - 1 Mile
Higher

Well ID:	32S27E31G001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E31G001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E31G001M&store_num=		
GeoTracker Data:	Not Reported		

34
NW **FED USGS** **USGS40000160760**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30H002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

35
South **CA WELLS** **CADWR0000006332**
1/2 - 1 Mile
Higher

Well ID:	32S27E32P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32P001M&store_num=		
GeoTracker Data:	Not Reported		

36
WNW **CA WELLS** **CADWR0000000435**
1/2 - 1 Mile
Higher

Well ID:	32S27E30T080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E30T080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E30T080M&store_num=		

GeoTracker Data: Not Reported

G37
SSW **FED USGS** **USGS40000160492**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E32N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	998
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

G38
SSW **CA WELLS** **CADDW0000013702**
1 - 2 Miles
Higher

Well ID:	1502004-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - RAW	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1502004-001&store_num=		
GeoTracker Data:	Not Reported		

G39
SSW **CA WELLS** **CADWR0000033350**
1 - 2 Miles
Higher

Well ID:	32S27E32N080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32N080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32N080M&store_num=		
GeoTracker Data:	Not Reported		

G40
SSW **CA WELLS** **CADWR8000015980**
1 - 2 Miles
Higher

State Well #:	32S27E32N003M	Station ID:	21806
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H41
SSE
1 - 2 Miles
Higher

FED USGS **USGS40000160486**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E32Q001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	702
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

H42
SSE
1 - 2 Miles
Higher

CA WELLS **CAUSGSN00001185**

Well ID:	USGS-350542119055701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350542119055701	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350542119055701&store_num=		
GeoTracker Data:	Not Reported		

43
WNW
1 - 2 Miles
Higher

FED USGS **USGS40000160742**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30G001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

I44
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160498**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E32N002M	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	500
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

I45
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160493**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E32N004M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	40
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-14
Feet below surface:	34.10	Feet to sea level:	Not Reported
Note:	Not Reported		

G46
SSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000015969**

State Well #:	32S27E32N001M	Station ID:	21429
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

I47
SSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000015981**

State Well #:	32S27E32N004M	Station ID:	21807
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J48
WSW
1 - 2 Miles
Higher | **FED USGS** | **USGS40000160574**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E31G001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	701
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-03
Feet below surface:	175.50	Feet to sea level:	Not Reported
Note:	Not Reported		

49
SSW
1 - 2 Miles
Higher | **FRDS PWS** | **CA1502154**

Epa region:	09	State:	CA
Pwsid:	CA1502154	Pwsname:	LAKESIDE SCHOOL
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06029
Status:	Active	Retpopsrvd:	800
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Local_Govt
Contact:	MULLEN, GARY J.	Contactorgname:	MULLEN, GARY J.
Contactphone:	661-836-6658	Contactaddress1:	1435 OLD RIVER ROAD
Contactaddress2:	Not Reported	Contactcity:	BAKERSFIELD
Contactstate:	CA	Contactzip:	93311
Pwsactivitycode:	A		

Pwsid:	CA1502154	Facid:	3
Facname:	WELL 02 - CL2 TREATMENT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, pre	Factypecode:	TP

Pwsid:	CA1502154	Facid:	5286
Facname:	WELL 02 - CL2 TREATMENT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, pre	Factypecode:	TP

PWS ID:	CA1502154	PWS type:	System Owner/Responsible Party
PWS name:	LAKESIDE SCHOOL	PWS address:	Not Reported
PWS city:	LAKESIDE	PWS state:	CA
PWS zip:	94234	PWS name:	LAKESIDE SCHOOL
PWS type code:	NTNC	Retail population served:	800
Contact:	Dean Bentley	Contact address:	14535 OLD RIVER ROAD
Contact address:	BAKERSFIELD	Contact city:	CA
Contact state:	93	Contact zip:	6613433420
Contact telephone:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID:	CA1502154	Activity status:	Active
Date system activated:	8404	Date system deactivated:	Not Reported
Retail population:	00000460	System name:	LAKESIDE SCHOOL WATER SYSTEM
System address:	LAKESIDE SCHOOL	System address:	SHAFTER
System city:	BAKERSFIELD	System state:	CA
System zip:	93311		
Population served:	501 - 1,000 Persons	Treatment:	Untreated
Latitude:	350540	Longitude:	1190630
Violation id:	1019008	Orig code:	S
State:	CA	Violation Year:	2009
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.016	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	10/01/2009
Cmp edt:	12/31/2009		
Violation id:	1019009	Orig code:	S
State:	CA	Violation Year:	2010
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.0163	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	01/01/2010
Cmp edt:	03/31/2010		
Violation id:	1019010	Orig code:	S
State:	CA	Violation Year:	2010
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.016	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	04/01/2010
Cmp edt:	06/30/2010		
Violation id:	1019011	Orig code:	S
State:	CA	Violation Year:	2010
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.017	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	07/01/2010
Cmp edt:	09/30/2010		
Violation id:	1119012	Orig code:	S
State:	CA	Violation Year:	2010
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.017	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	10/01/2010
Cmp edt:	12/31/2010		
Violation id:	1119013	Orig code:	S
State:	CA	Violation Year:	2011
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.017	Unit of measure:	MG/L

State mcl: 0.01
Cmp bdt: 01/01/2011
Cmp edt: 03/31/2011

Violation id: 1119014
Orig code: S
State: CA
Violation Year: 2011
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 02
Violation name: MCL, Average
Rule code: 332
Rule name: Arsenic
Violation measur: 0.017
Unit of measure: MG/L
State mcl: 0.01
Cmp bdt: 04/01/2011
Cmp edt: 06/30/2011

Violation id: 1119015
Orig code: S
State: CA
Violation Year: 2011
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 02
Violation name: MCL, Average
Rule code: 332
Rule name: Arsenic
Violation measur: 0.018
Unit of measure: MG/L
State mcl: 0.01
Cmp bdt: 07/01/2011
Cmp edt: 09/30/2011

Violation id: 1119017
Orig code: S
State: CA
Violation Year: 2012
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 02
Violation name: MCL, Average
Rule code: 332
Rule name: Arsenic
Violation measur: 0.017
Unit of measure: MG/L
State mcl: 0.01
Cmp bdt: 01/01/2012
Cmp edt: 03/31/2012

Violation id: 1219016
Orig code: S
State: CA
Violation Year: 2011
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 02
Violation name: MCL, Average
Rule code: 332
Rule name: Arsenic
Violation measur: 0.018
Unit of measure: MG/L
State mcl: 0.01
Cmp bdt: 10/01/2011
Cmp edt: 12/31/2011

Violation id: 1219018
Orig code: S
State: CA
Violation Year: 2012
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 02
Violation name: MCL, Average
Rule code: 332
Rule name: Arsenic
Violation measur: 0.017
Unit of measure: MG/L
State mcl: 0.01
Cmp bdt: 04/01/2012
Cmp edt: 06/30/2012

Violation id: 1219019
Orig code: S
State: CA
Violation Year: 2012
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 02
Violation name: MCL, Average
Rule code: 332
Rule name: Arsenic
Violation measur: 0.017
Unit of measure: MG/L
State mcl: 0.01
Cmp bdt: 07/01/2012
Cmp edt: 09/30/2012

Violation id: 819003
Orig code: S
State: CA
Violation Year: 2008
Contamination code: 1005
Contamination Name: Arsenic
Violation code: 03
Violation name: Monitoring, Regular
Rule code: 332
Rule name: Arsenic

Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2008
Cmp edt:	03/31/2008		

Violation id:	919002	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.02	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	10/01/2008
Cmp edt:	12/31/2008		

Violation id:	919004	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	332	Rule name:	Arsenic
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	09/30/2008		

Violation id:	919005	Orig code:	S
State:	CA	Violation Year:	2008
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	332	Rule name:	Arsenic
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2008
Cmp edt:	12/31/2008		

Violation id:	919006	Orig code:	S
State:	CA	Violation Year:	2009
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.016	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	04/01/2009
Cmp edt:	06/30/2009		

Violation id:	919007	Orig code:	S
State:	CA	Violation Year:	2009
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.018	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	07/01/2009
Cmp edt:	09/30/2009		

Violation id:	9712002	Orig code:	S
State:	CA	Violation Year:	2012
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.017	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	10/01/2012
Cmp edt:	12/31/2012		

Violation id:	9712003	Orig code:	S
State:	CA	Violation Year:	2013
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average

Rule code:	332	Rule name:	Arsenic
Violation measur:	0.018	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	01/01/2013
Cmp edt:	03/31/2013		

Violation id:	9712004	Orig code:	S
State:	CA	Violation Year:	2012
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2012
Cmp edt:	12/31/2012		

Violation id:	9712005	Orig code:	S
State:	CA	Violation Year:	2013
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.019	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	04/01/2013
Cmp edt:	06/30/2013		

Violation id:	9712006	Orig code:	S
State:	CA	Violation Year:	2009
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2009
Cmp edt:	Not Reported		

Violation id:	9712007	Orig code:	S
State:	CA	Violation Year:	2013
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.018	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	07/01/2013
Cmp edt:	09/30/2013		

Violation id:	9712008	Orig code:	S
State:	CA	Violation Year:	2013
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.018	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	10/01/2013
Cmp edt:	12/31/2013		

Violation id:	999002	Orig code:	S
State:	CA	Violation Year:	2009
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	02	Violation name:	MCL, Average
Rule code:	332	Rule name:	Arsenic
Violation measur:	0.018	Unit of measure:	MG/L
State mcl:	0.01	Cmp bdt:	01/01/2009
Cmp edt:	03/31/2009		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	94V0001	Violation source ID:	Not Reported

PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	070193	Violation end date:	123193
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

Violation ID:	1019008	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1019009	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1019010	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1019011	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1119012	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1119013	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1119014	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1119015	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1119017	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1219016	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1219018	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	1219019	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	819003	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	919002	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	919004	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	919005	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	919006	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	919007	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	9712002	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	9712003	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	9712004	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	06/27/2013
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	9712005	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	9712006	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	09/13/2013
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	9712006	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	09/13/2013

Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	9712007	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	9712008	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	999002	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	01/23/2009
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	Not Reported	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Not Reported
PWS name:	LAKESIDE SCHOOL	Population served:	800
PWS type code:	NTNC	Violation ID:	0819003
Contaminant:	ARSENIC	Violation type:	3
Compliance start date:	1/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	Not Reported		
PWS name:	LAKESIDE SCHOOL	Population served:	800
PWS type code:	NTNC	Violation ID:	0919002
Contaminant:	ARSENIC	Violation type:	2
Compliance start date:	10/1/2008 0:00:00	Compliance end date:	12/31/2008 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	0.02		
PWS name:	LAKESIDE SCHOOL	Population served:	800
PWS type code:	NTNC	Violation ID:	0919005
Contaminant:	ARSENIC	Violation type:	3
Compliance start date:	10/1/2008 0:00:00	Compliance end date:	12/31/2008 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	Not Reported		

J50
WSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000016045**

State Well #:	32S27E31G001M	Station ID:	21427
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

51
NE
1 - 2 Miles
Lower

CA WELLS **CADWR8000016238**

State Well #:	32S27E28D001M	Station ID:	21422
Well Name:	32S27E28D001M	Well Use:	Unknown

Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

52
SE **CA WELLS** **CADWR0000016144**
1 - 2 Miles
Higher

Well ID:	32S27E33N080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E33N080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E33N080M&store_num=		
GeoTracker Data:	Not Reported		

53
NW **CA WELLS** **CADWR8000016262**
1 - 2 Miles
Lower

State Well #:	32S27E30B001M	Station ID:	35210
Well Name:	32S27E30B001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

K54
SSW **FED USGS** **USGS40000160437**
1 - 2 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W27N002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1482
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-03
Feet below surface:	263.60	Feet to sea level:	Not Reported
Note:	Not Reported		

55
South **CA WELLS** **CADPR0000004611**
1 - 2 Miles
Higher

Well ID:	87035	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	87035	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=87035&store_num=
GeoTracker Data: Not Reported

L56
West
1 - 2 Miles
Higher

CA WELLS **CADWR8000016114**

State Well #:	32S27E30N001M	Station ID:	21426
Well Name:	32S27E30N001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

L57
West
1 - 2 Miles
Higher

CA WELLS **CADWR0000002044**

Well ID:	32S27E30N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E30N001M	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E30N001M&store_num=
GeoTracker Data: Not Reported

M58
SE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015958**

State Well #:	32S27E33N001M	Station ID:	21808
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

M59
SE
1 - 2 Miles
Higher

CA WELLS **CADWR0000020659**

Well ID:	32S27E33N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E33N001M	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E33N001M&store_num=
GeoTracker Data: Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K60
SSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000015944**

State Well #:	12N21W27N002S	Station ID:	33858
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

61
NNE
1 - 2 Miles
Lower

FED USGS **USGS40000160814**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E21N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19750930	Well Depth:	15.5
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

62
North
1 - 2 Miles
Lower

FED USGS **USGS40000160833**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E20M001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19781118	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	400
Well Hole Depth Units:	ft		

63
SW
1 - 2 Miles
Higher

FED USGS **USGS40000160438**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W27N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1020
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-29
Feet below surface:	248.50	Feet to sea level:	Not Reported
Note:	Not Reported		

64
NNE **CA WELLS** **CADPR0000001665**
1 - 2 Miles
Lower

Well ID:	88223	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	88223	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=88223&store_num=		
GeoTracker Data:	Not Reported		

65
West **FED USGS** **USGS40000160649**
1 - 2 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E30N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

66
East **CA WELLS** **CADWR0000026282**
1 - 2 Miles
Lower

Well ID:	32S27E28R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E28R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E28R001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N67
South
1 - 2 Miles
Higher

FED USGS **USGS40000160396**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W34G002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1197
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	294.30	Feet to sea level:	Not Reported
Note:	Not Reported		

N68
South
1 - 2 Miles
Higher

FED USGS **USGS40000160397**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W34B001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1160
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	234.20	Feet to sea level:	Not Reported
Note:	Not Reported		

N69
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015912**

State Well #:	12N21W34G002S	Station ID:	15236
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O70
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015911**

State Well #:	12N21W35E001S	Station ID:	33972
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

O71
South
1 - 2 Miles
Higher

FED USGS **USGS40000160387**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W35E001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	167.40	Feet to sea level:	Not Reported
Note:	Not Reported		

P72
ESE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015986**

State Well #:	32S27E33R001M	Station ID:	21809
Well Name:	32S27E33R001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Q73
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015901**

State Well #:	12N21W34G001S	Station ID:	15235
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P74
ESE
1 - 2 Miles
Higher

FED USGS **USGS40000160497**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E33R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-15
Feet below surface:	132.60	Feet to sea level:	Not Reported
Note:	Not Reported		

Q75
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015893**

State Well #:	12N21W34G003S	Station ID:	33863
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

76
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160388**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W34E001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

77
SW
1 - 2 Miles
Higher

FED USGS **USGS40000160484**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E31N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-28
Feet below surface:	21.80	Feet to sea level:	Not Reported
Note:	Not Reported		

78
ESE
1 - 2 Miles
Higher

FED USGS **USGS40000160491**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E33R002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-30
Feet below surface:	169.70	Feet to sea level:	Not Reported
Note:	Not Reported		

79
SW
1 - 2 Miles
Higher

CA WELLS **CADWR0000036794**

Well ID:	12N21W27N080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W27N080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W27N080S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R80
West
1 - 2 Miles
Higher

CA WELLS **CADWR0000034667**

Well ID:	32S26E25Q001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S26E25Q001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S26E25Q001M&store_num=		
GeoTracker Data:	Not Reported		

R81
West
1 - 2 Miles
Higher

CA WELLS **CADWR0000014945**

Well ID:	32S26E25Q080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S26E25Q080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S26E25Q080M&store_num=		
GeoTracker Data:	Not Reported		

S82
West
1 - 2 Miles
Higher

CA WELLS **CAUSGSN00008084**

Well ID:	USGS-350648119143101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350648119143101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350648119143101&store_num=		
GeoTracker Data:	Not Reported		

S83
West
1 - 2 Miles
Higher

FED USGS **USGS40000160696**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E25K001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	198907	Well Depth:	22.5
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-07-18
Feet below surface:	6.28	Feet to sea level:	Not Reported
Note:	Not Reported		

R84
West
1 - 2 Miles
Higher

CA WELLS **CADWR8000016116**

State Well #:	32S26E25P001M	Station ID:	23794
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

R85
West
1 - 2 Miles
Higher

CA WELLS **CADWR8000016115**

State Well #:	32S26E25Q001M	Station ID:	23795
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

R86
West
1 - 2 Miles
Higher

CA WELLS **CADWR0000019645**

Well ID:	32S26E25P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S26E25P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S26E25P001M&store_num=		
GeoTracker Data:	Not Reported		

87
West
1 - 2 Miles
Higher

FED USGS **USGS40000160682**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E25P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580101	Well Depth:	2350
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T88
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000160584**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E36G001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19460101	Well Depth:	700
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-03
Feet below surface:	165.70	Feet to sea level:	Not Reported
Note:	Not Reported		

U89
WNW
1 - 2 Miles
Higher

FED USGS **USGS40000160717**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E25G001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	10.3
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-06
Feet below surface:	5.20	Feet to sea level:	Not Reported
Note:	Not Reported		

S90
West
1 - 2 Miles
Higher

CA WELLS **CADWR8000016157**

State Well #:	32S26E25K001M	Station ID:	25404
Well Name:	32S26E25K001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

91
ESE
1 - 2 Miles
Higher

CA WELLS **CADDW0000013005**

Well ID:	1503670-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1503670-001&store_num=		
GeoTracker Data:	Not Reported		

T92
WSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000016051**

State Well #:	32S26E36G001M	Station ID:	21293
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

V93
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000160518**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E36Q001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	540
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-03
Feet below surface:	134.90	Feet to sea level:	Not Reported
Note:	Not Reported		

U94
WNW
1 - 2 Miles
Higher

CA WELLS **CADWR8000016167**

State Well #:	32S26E25G001M	Station ID:	37165
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W95
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160364**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W34E002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	19.3
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	14.40	Feet to sea level:	Not Reported
Note:	Not Reported		

W96
SSW
1 - 2 Miles
Higher

CA WELLS **CAUSGSN00018113**

Well ID:	USGS-350502119070201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350502119070201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350502119070201&store_num=		
GeoTracker Data:	Not Reported		

97
North
1 - 2 Miles
Lower

CA WELLS **CADWR0000013040**

Well ID:	32S27E20C001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E20C001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E20C001M&store_num=		
GeoTracker Data:	Not Reported		

V98
WSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000015995**

State Well #:	32S26E36Q001M	Station ID:	21295
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

99
East
1 - 2 Miles
Lower

CA WELLS **CADWR0000011976**

Well ID:	32S27E27P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E27P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E27P001M&store_num=		
GeoTracker Data:	Not Reported		

X100
North
1 - 2 Miles
Lower

FED USGS **USGS40000160901**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E20C001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	830
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1954-11-23
Feet below surface:	60.30	Feet to sea level:	Not Reported
Note:	Not Reported		

X101
North
1 - 2 Miles
Lower

CA WELLS **CADWR8000016377**

State Well #:	32S27E20C001M	Station ID:	35205
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Y102
North
2 - 3 Miles
Lower

CA WELLS **CADWR0000020929**

Well ID:	32S27E17N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E17N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E17N001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z103
East
2 - 3 Miles
Lower

CA WELLS **CADWR8000016057**

State Well #:	32S27E34F001M	Station ID:	37635
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Y104
North
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00013698**

Well ID:	USGS-350819119062501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350819119062501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350819119062501&store_num=		
GeoTracker Data:	Not Reported		

Y105
North
2 - 3 Miles
Lower

FED USGS **USGS40000160906**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E17N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	800	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1954-10-13
Feet below surface:	54.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Y106
North
2 - 3 Miles
Lower

CA WELLS **CADWR8000016382**

State Well #:	32S27E17N001M	Station ID:	35204
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA107
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000011341**

Well ID:	12N21W34G080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W34G080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W34G080S&store_num=		
GeoTracker Data:	Not Reported		

AA108
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000000396**

Well ID:	12N21W34G081S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W34G081S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W34G081S&store_num=		
GeoTracker Data:	Not Reported		

Z109
East
2 - 3 Miles
Lower

FED USGS **USGS40000160588**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E34F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	184
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1956-09-18
Feet below surface:	35.50	Feet to sea level:	Not Reported
Note:	Not Reported		

AB110
WSW
2 - 3 Miles
Higher

FED USGS **USGS40000160506**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E36P002M	Type:	Well
Description:	Not Reported	HUC:	18030012

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580101	Well Depth:	1819
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AC111
South
2 - 3 Miles
Higher

FED USGS **USGS40000160324**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W35N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	401
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AB112
WSW
2 - 3 Miles
Higher

FED USGS **USGS40000160519**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E36P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19370101	Well Depth:	536
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AC113
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015863**

State Well #:	12N21W35N002S	Station ID:	15239
Well Name:	12N21W35N002S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

114
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160379**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W33G001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AC115
South
2 - 3 Miles
Higher

FED USGS **USGS40000160323**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W35N002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1017
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1950-12-10
Feet below surface:	130.00	Feet to sea level:	Not Reported
Note:	Not Reported		

116
WSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015970**

State Well #:	32S26E36P002M	Station ID:	21294
Well Name:	32S26E36P002M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

117
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000017773**

Well ID:	12N21W34F080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W34F080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W34F080S&store_num=		
GeoTracker Data:	Not Reported		

118
South
2 - 3 Miles
Higher

FED USGS **USGS40000160304**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W34Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	273.80	Feet to sea level:	Not Reported
Note:	Not Reported		

119
SSE
2 - 3 Miles
Higher

FED USGS **USGS40000160322**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W35P031S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1493
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1946-12-01
Feet below surface:	109.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AD120
SSW
2 - 3 Miles
Higher

FED USGS **USGS40000160341**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W33J001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	34.6
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	26.10	Feet to sea level:	Not Reported
Note:	Not Reported		

121
WSW
2 - 3 Miles
Higher

FED USGS **USGS40000160439**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W29R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AE122
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000020653**

Well ID:	12N21W35Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W35Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W35Q001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE123
SSE
2 - 3 Miles
Higher

FED USGS **USGS40000160321**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W35Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1953-03-25
Feet below surface:	183.00	Feet to sea level:	Not Reported
Note:	Not Reported		

AD124
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000029761**

Well ID:	12N21W34E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W34E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W34E001S&store_num=		
GeoTracker Data:	Not Reported		

AF125
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015841**

State Well #:	12N21W34Q001S	Station ID:	33971
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

126
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015836**

State Well #:	12N21W34R002S	Station ID:	15238
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AF127
South
2 - 3 Miles
Higher

FED USGS **USGS40000160284**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W34Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19500101	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AG128
South
2 - 3 Miles
Higher

FED USGS **USGS40000160278**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N021W03B001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19630317	Well Depth:	1477
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2417	Level reading date:	1983-01-06
Feet below surface:	345.7	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1982-12-27	Feet below surface:	347.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-16	Feet below surface:	347.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-09	Feet below surface:	347.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-08	Feet below surface:	347.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-06	Feet below surface:	347.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-03	Feet below surface:	347.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-02	Feet below surface:	347.8

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-27	Feet below surface:	347.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-23	Feet below surface:	348.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-22	Feet below surface:	347.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-18	Feet below surface:	347.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-12	Feet below surface:	347.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-09	Feet below surface:	347.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-07	Feet below surface:	347.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-05	Feet below surface:	347.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-01	Feet below surface:	347.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-28	Feet below surface:	347.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-27	Feet below surface:	350.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-26	Feet below surface:	349.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-25	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-09	Feet below surface:	349.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-07	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-03	Feet below surface:	349.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-02	Feet below surface:	349.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-26	Feet below surface:	349.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-25	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-23	Feet below surface:	349.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-09-22	Feet below surface:	348.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-20	Feet below surface:	348.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-15	Feet below surface:	348.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-07	Feet below surface:	348.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-03	Feet below surface:	348.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-31	Feet below surface:	348.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-30	Feet below surface:	348.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-28	Feet below surface:	348.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-27	Feet below surface:	348.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-25	Feet below surface:	348.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-20	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-11	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-05	Feet below surface:	349.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-30	Feet below surface:	349.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-20	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-10	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-05	Feet below surface:	349.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-30	Feet below surface:	349.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-25	Feet below surface:	349.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-20	Feet below surface:	349.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-16	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-06-09	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-07	Feet below surface:	348.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-06	Feet below surface:	349.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-04	Feet below surface:	348.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-31	Feet below surface:	348.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-29	Feet below surface:	348.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-28	Feet below surface:	348.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-25	Feet below surface:	348.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-24	Feet below surface:	349.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-17	Feet below surface:	348.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-16	Feet below surface:	348.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-14	Feet below surface:	348.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-13	Feet below surface:	348.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-12	Feet below surface:	349.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-11	Feet below surface:	349.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-30	Feet below surface:	349.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-29	Feet below surface:	349.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-27	Feet below surface:	349.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-25	Feet below surface:	349.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-20	Feet below surface:	349.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-19	Feet below surface:	349.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-04-17	Feet below surface:	349.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-16	Feet below surface:	350.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-15	Feet below surface:	350.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-14	Feet below surface:	350.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-13	Feet below surface:	350.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-08	Feet below surface:	350.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-03	Feet below surface:	350.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-31	Feet below surface:	350.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-25	Feet below surface:	350.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-20	Feet below surface:	350.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-18	Feet below surface:	349.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-10	Feet below surface:	350.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-09	Feet below surface:	350.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-08	Feet below surface:	350.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-07	Feet below surface:	350.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-03	Feet below surface:	350.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-25	Feet below surface:	350.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-24	Feet below surface:	351.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-19	Feet below surface:	350.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-18	Feet below surface:	351.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-15	Feet below surface:	351.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-02-14	Feet below surface:	351.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-13	Feet below surface:	351.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-12	Feet below surface:	351.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-11	Feet below surface:	351.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-09	Feet below surface:	351.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-08	Feet below surface:	351.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-07	Feet below surface:	351.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-06	Feet below surface:	351.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-05	Feet below surface:	351.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-02	Feet below surface:	351.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-01	Feet below surface:	351.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-26	Feet below surface:	351.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-21	Feet below surface:	351.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-20	Feet below surface:	251.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-18	Feet below surface:	351.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-13	Feet below surface:	351.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-11	Feet below surface:	351.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-10	Feet below surface:	351.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-29	Feet below surface:	352.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-28	Feet below surface:	352.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-27	Feet below surface:	352.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-12-22	Feet below surface:	352.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-20	Feet below surface:	352.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-19	Feet below surface:	351.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-18	Feet below surface:	352.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-16	Feet below surface:	352.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-14	Feet below surface:	352.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-13	Feet below surface:	352.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-12	Feet below surface:	352.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	353.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-27	Feet below surface:	353.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-26	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-23	Feet below surface:	353.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-22	Feet below surface:	353.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-20	Feet below surface:	353.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-11	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-31	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-27	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-22	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-16	Feet below surface:	353.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-08	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-30	Feet below surface:	353.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-09-29	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-27	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-25	Feet below surface:	353.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-21	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-16	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-15	Feet below surface:	354.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-12	Feet below surface:	354.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-11	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-03	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-02	Feet below surface:	353.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-01	Feet below surface:	353.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	353.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-30	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-29	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-28	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-27	Feet below surface:	353.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-26	Feet below surface:	353.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-25	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-24	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-23	Feet below surface:	354.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-22	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-08-19	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-17	Feet below surface:	354.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-16	Feet below surface:	353.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-14	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-13	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-09	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-08	Feet below surface:	353.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-07	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-06	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-05	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-01	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-31	Feet below surface:	354.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-30	Feet below surface:	353.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-29	Feet below surface:	353.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-28	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-24	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-18	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-17	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-16	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-15	Feet below surface:	352.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-10	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-07-09	Feet below surface:	353.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-08	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-07	Feet below surface:	353.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-06	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-05	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-02	Feet below surface:	353.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-30	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-28	Feet below surface:	353.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-26	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-25	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-24	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-23	Feet below surface:	353.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-22	Feet below surface:	353.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-20	Feet below surface:	352.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-19	Feet below surface:	352.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-18	Feet below surface:	352.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-17	Feet below surface:	353.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-16	Feet below surface:	353.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-15	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-14	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-13	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-06-11	Feet below surface:	353.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-08	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-07	Feet below surface:	353.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-02	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-01	Feet below surface:	353.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-31	Feet below surface:	353.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-30	Feet below surface:	353.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-29	Feet below surface:	353.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-28	Feet below surface:	353.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-25	Feet below surface:	353.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-22	Feet below surface:	354.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	354.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-19	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-18	Feet below surface:	353.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-13	Feet below surface:	354.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-12	Feet below surface:	354.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-30	Feet below surface:	354.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-29	Feet below surface:	354.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-28	Feet below surface:	354.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-27	Feet below surface:	354.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-25	Feet below surface:	354.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-04-24	Feet below surface:	354.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-22	Feet below surface:	355.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-21	Feet below surface:	355.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-18	Feet below surface:	355.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-17	Feet below surface:	354.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-16	Feet below surface:	355.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-13	Feet below surface:	355.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-12	Feet below surface:	355.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-11	Feet below surface:	355.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-06	Feet below surface:	355.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-05	Feet below surface:	355.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-04	Feet below surface:	355.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-03	Feet below surface:	355.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-31	Feet below surface:	356.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	356.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-19	Feet below surface:	356.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-18	Feet below surface:	356.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-13	Feet below surface:	356.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-10	Feet below surface:	356.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-08	Feet below surface:	356.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-06	Feet below surface:	356.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-03-05	Feet below surface:	351.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-04	Feet below surface:	356.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-03	Feet below surface:	356.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-02	Feet below surface:	356.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-01	Feet below surface:	357.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-26	Feet below surface:	357.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-21	Feet below surface:	357.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-19	Feet below surface:	357.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-17	Feet below surface:	357.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-16	Feet below surface:	357.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-15	Feet below surface:	357.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-03	Feet below surface:	357.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-02	Feet below surface:	357.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-01	Feet below surface:	358.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-26	Feet below surface:	358.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-24	Feet below surface:	358.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-22	Feet below surface:	357.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-17	Feet below surface:	358.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-15	Feet below surface:	358.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-14	Feet below surface:	358.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-13	Feet below surface:	358.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-01-12	Feet below surface:	358.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-11	Feet below surface:	358.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-07	Feet below surface:	358.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-04	Feet below surface:	358.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-02	Feet below surface:	358.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-01	Feet below surface:	358.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-28	Feet below surface:	359.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-27	Feet below surface:	360.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-25	Feet below surface:	360.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-24	Feet below surface:	360.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-22	Feet below surface:	360.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-19	Feet below surface:	360.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-25	Feet below surface:	361.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-24	Feet below surface:	361.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-23	Feet below surface:	361.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-19	Feet below surface:	361.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-18	Feet below surface:	362.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-14	Feet below surface:	361.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-13	Feet below surface:	361.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-12	Feet below surface:	361.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-11	Feet below surface:	361.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-10-01	Feet below surface:	361.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-26	Feet below surface:	361.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-25	Feet below surface:	361.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-21	Feet below surface:	360.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-30	Feet below surface:	359.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-22	Feet below surface:	360.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-28	Feet below surface:	359.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-27	Feet below surface:	361.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-21	Feet below surface:	361.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-25	Feet below surface:	363.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-31	Feet below surface:	364.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-16	Feet below surface:	365.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-20	Feet below surface:	367.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-27	Feet below surface:	367.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-20	Feet below surface:	368.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-30	Feet below surface:	368.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-17	Feet below surface:	370.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	371.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-16	Feet below surface:	374.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-28	Feet below surface:	370.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-12	Feet below surface:	373.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-12-30	Feet below surface:	376.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-30	Feet below surface:	377.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-19	Feet below surface:	378.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-30	Feet below surface:	378.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-16	Feet below surface:	380.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-31	Feet below surface:	381.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-22	Feet below surface:	385.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-31	Feet below surface:	388
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-09	Feet below surface:	392
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-27	Feet below surface:	394.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-31	Feet below surface:	404.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-28	Feet below surface:	414.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-23	Feet below surface:	433.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-01	Feet below surface:	453.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-30	Feet below surface:	455.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-31	Feet below surface:	452.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-30	Feet below surface:	456.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-31	Feet below surface:	466.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-31	Feet below surface:	456.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-07	Feet below surface:	465.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-30	Feet below surface:	457.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-05-31	Feet below surface:	429.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-30	Feet below surface:	416
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-31	Feet below surface:	413.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-28	Feet below surface:	412.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-31	Feet below surface:	402.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-03	Feet below surface:	377.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-30	Feet below surface:	377.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-31	Feet below surface:	380.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-06	Feet below surface:	386.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-30	Feet below surface:	387.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-30	Feet below surface:	383.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-31	Feet below surface:	383.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-09	Feet below surface:	380.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-30	Feet below surface:	377.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-30	Feet below surface:	375.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-07	Feet below surface:	373.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-25	Feet below surface:	374.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-29	Feet below surface:	375.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-31	Feet below surface:	376.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-31	Feet below surface:	378
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-25	Feet below surface:	378.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-10-31	Feet below surface:	379.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-09	Feet below surface:	379.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-07	Feet below surface:	379.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-30	Feet below surface:	380.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-30	Feet below surface:	381.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-07	Feet below surface:	382.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-28	Feet below surface:	383.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-30	Feet below surface:	385
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-06	Feet below surface:	385.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-28	Feet below surface:	389.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-22	Feet below surface:	391
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-19	Feet below surface:	392.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-19	Feet below surface:	391.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-23	Feet below surface:	390
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-24	Feet below surface:	389.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-30	Feet below surface:	388
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-30	Feet below surface:	387.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-01	Feet below surface:	389.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-06	Feet below surface:	389.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-05	Feet below surface:	389.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-07	Feet below surface:	390.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-12-10	Feet below surface:	393.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-13	Feet below surface:	395.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-15	Feet below surface:	397.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-16	Feet below surface:	398.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-20	Feet below surface:	398.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-23	Feet below surface:	396.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-25	Feet below surface:	396
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-29	Feet below surface:	396
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-30	Feet below surface:	393.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-02	Feet below surface:	393.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-05	Feet below surface:	394.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-05	Feet below surface:	396
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-08	Feet below surface:	398.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-11	Feet below surface:	401.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-13	Feet below surface:	405.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-17	Feet below surface:	408.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-15	Feet below surface:	410.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-22	Feet below surface:	411.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-24	Feet below surface:	410.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-30	Feet below surface:	409.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-31	Feet below surface:	409.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-05-01	Feet below surface:	407.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-03	Feet below surface:	407.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-07	Feet below surface:	406.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-08	Feet below surface:	407.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-11	Feet below surface:	410.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-14	Feet below surface:	414.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-16	Feet below surface:	419.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-19	Feet below surface:	422.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-21	Feet below surface:	424.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-24	Feet below surface:	428.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-27	Feet below surface:	429.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-29	Feet below surface:	428.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-02	Feet below surface:	429.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-04	Feet below surface:	432
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-06	Feet below surface:	441
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-09	Feet below surface:	441.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-09	Feet below surface:	445.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-11	Feet below surface:	445.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-15	Feet below surface:	451
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-17	Feet below surface:	472.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-20	Feet below surface:	484.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-09-21	Feet below surface:	511.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-27	Feet below surface:	522.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-29	Feet below surface:	531.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-29	Feet below surface:	539.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-05	Feet below surface:	507.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-07	Feet below surface:	500.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-10	Feet below surface:	497
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-10	Feet below surface:	503.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-13	Feet below surface:	481.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-16	Feet below surface:	478.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-18	Feet below surface:	477.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-20	Feet below surface:	482
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-22	Feet below surface:	491
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-26	Feet below surface:	529.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-29	Feet below surface:	533.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-26	Feet below surface:	527.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-06	Feet below surface:	512.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-08	Feet below surface:	485.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-10	Feet below surface:	482.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-13	Feet below surface:	485.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-13	Feet below surface:	485.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-01-16	Feet below surface:	468.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-31	Feet below surface:	465.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-30	Feet below surface:	465.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-29	Feet below surface:	465.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-28	Feet below surface:	465.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-27	Feet below surface:	465.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-26	Feet below surface:	464.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-25	Feet below surface:	464.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-24	Feet below surface:	464.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-23	Feet below surface:	464.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-22	Feet below surface:	465.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-21	Feet below surface:	465.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-20	Feet below surface:	465.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-19	Feet below surface:	466.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-18	Feet below surface:	466.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-17	Feet below surface:	166.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-16	Feet below surface:	465.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-15	Feet below surface:	466.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-14	Feet below surface:	467.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-13	Feet below surface:	467.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-12	Feet below surface:	468.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-12-11	Feet below surface:	468.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-10	Feet below surface:	468.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-09	Feet below surface:	469.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-08	Feet below surface:	469.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-07	Feet below surface:	470.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-06	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-05	Feet below surface:	471.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-04	Feet below surface:	472.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-03	Feet below surface:	472.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-02	Feet below surface:	473.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-01	Feet below surface:	474.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-30	Feet below surface:	475.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-29	Feet below surface:	476.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-28	Feet below surface:	476.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-27	Feet below surface:	477.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-26	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-25	Feet below surface:	479.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-24	Feet below surface:	480.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-23	Feet below surface:	481.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-22	Feet below surface:	482.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-21	Feet below surface:	481.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-11-20	Feet below surface:	484.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-19	Feet below surface:	485.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-18	Feet below surface:	485.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-17	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-16	Feet below surface:	486.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-15	Feet below surface:	486.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-14	Feet below surface:	486.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-13	Feet below surface:	486.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-12	Feet below surface:	486.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-11	Feet below surface:	486.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-10	Feet below surface:	486.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-09	Feet below surface:	486.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-08	Feet below surface:	486.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-07	Feet below surface:	487.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-06	Feet below surface:	487.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-05	Feet below surface:	488.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-04	Feet below surface:	489.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-03	Feet below surface:	491.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-02	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-01	Feet below surface:	494.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-31	Feet below surface:	494.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-10-30	Feet below surface:	495.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-29	Feet below surface:	495.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-28	Feet below surface:	495.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-27	Feet below surface:	495.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-26	Feet below surface:	495.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-25	Feet below surface:	495.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-24	Feet below surface:	495.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-23	Feet below surface:	495
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-22	Feet below surface:	495.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-21	Feet below surface:	495.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-20	Feet below surface:	494.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-19	Feet below surface:	494.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-18	Feet below surface:	494.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-17	Feet below surface:	494.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-16	Feet below surface:	495.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-15	Feet below surface:	496.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-14	Feet below surface:	496.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-13	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-12	Feet below surface:	496.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-11	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-10	Feet below surface:	496.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-10-09	Feet below surface:	496.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-08	Feet below surface:	497.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-07	Feet below surface:	497.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-06	Feet below surface:	497.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-05	Feet below surface:	497.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-04	Feet below surface:	497.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-03	Feet below surface:	497.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-02	Feet below surface:	498.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-01	Feet below surface:	499.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-30	Feet below surface:	499.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-29	Feet below surface:	500.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-28	Feet below surface:	500.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-27	Feet below surface:	500.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-26	Feet below surface:	500.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-25	Feet below surface:	498.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-24	Feet below surface:	501.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-23	Feet below surface:	501.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-22	Feet below surface:	502.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-21	Feet below surface:	502.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-20	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-19	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-09-18	Feet below surface:	501.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-17	Feet below surface:	501.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-16	Feet below surface:	502.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-15	Feet below surface:	503.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-14	Feet below surface:	503.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-13	Feet below surface:	504.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-12	Feet below surface:	505.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-11	Feet below surface:	505.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-10	Feet below surface:	506.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-09	Feet below surface:	507.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-08	Feet below surface:	508.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-07	Feet below surface:	509.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-06	Feet below surface:	510.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-05	Feet below surface:	511.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-04	Feet below surface:	512.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-03	Feet below surface:	513.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-02	Feet below surface:	514.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-01	Feet below surface:	515.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-31	Feet below surface:	518.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-30	Feet below surface:	518.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-29	Feet below surface:	519.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-08-28	Feet below surface:	520.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-27	Feet below surface:	521.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-26	Feet below surface:	523.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-25	Feet below surface:	524.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-24	Feet below surface:	424.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-23	Feet below surface:	525.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-22	Feet below surface:	526.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-21	Feet below surface:	526.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-20	Feet below surface:	526.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-19	Feet below surface:	526.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-18	Feet below surface:	526.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-17	Feet below surface:	527.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-16	Feet below surface:	527.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-15	Feet below surface:	527.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-14	Feet below surface:	527.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-13	Feet below surface:	528.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-12	Feet below surface:	528.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-11	Feet below surface:	527.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-10	Feet below surface:	527.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-09	Feet below surface:	526.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-08	Feet below surface:	526.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-08-07	Feet below surface:	527.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-06	Feet below surface:	527.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-05	Feet below surface:	528.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-04	Feet below surface:	528.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-03	Feet below surface:	528.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-02	Feet below surface:	528.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-01	Feet below surface:	528.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-31	Feet below surface:	529.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-30	Feet below surface:	429.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-29	Feet below surface:	429.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-28	Feet below surface:	428.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-27	Feet below surface:	428.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-26	Feet below surface:	428.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-25	Feet below surface:	527.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-24	Feet below surface:	527.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-23	Feet below surface:	527.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-22	Feet below surface:	527.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-21	Feet below surface:	527.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-20	Feet below surface:	527.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-19	Feet below surface:	527.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-18	Feet below surface:	527.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-07-17	Feet below surface:	528.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-16	Feet below surface:	528.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-15	Feet below surface:	529.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-14	Feet below surface:	530.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-13	Feet below surface:	530.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-12	Feet below surface:	530.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-11	Feet below surface:	530.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-10	Feet below surface:	529.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-09	Feet below surface:	529.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-08	Feet below surface:	529.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-07	Feet below surface:	529.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-06	Feet below surface:	528.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-05	Feet below surface:	528.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-04	Feet below surface:	528.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-03	Feet below surface:	528.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-02	Feet below surface:	528.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-01	Feet below surface:	527.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-30	Feet below surface:	527.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-29	Feet below surface:	527.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-28	Feet below surface:	526.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-27	Feet below surface:	526.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-06-26	Feet below surface:	525.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-25	Feet below surface:	525.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-24	Feet below surface:	424.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-23	Feet below surface:	524.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-22	Feet below surface:	523.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-21	Feet below surface:	523.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-20	Feet below surface:	522.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-19	Feet below surface:	522.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-18	Feet below surface:	521.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-17	Feet below surface:	521.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-16	Feet below surface:	520.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-15	Feet below surface:	520.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-14	Feet below surface:	519.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-13	Feet below surface:	518.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-12	Feet below surface:	517.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-11	Feet below surface:	517.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-10	Feet below surface:	516.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-09	Feet below surface:	515.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-08	Feet below surface:	514.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-07	Feet below surface:	513.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-06	Feet below surface:	513.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-06-05	Feet below surface:	513.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-04	Feet below surface:	512.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-03	Feet below surface:	511.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-02	Feet below surface:	510.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-01	Feet below surface:	509.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-31	Feet below surface:	508.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-30	Feet below surface:	507.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-29	Feet below surface:	506.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-28	Feet below surface:	505.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-27	Feet below surface:	504.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-26	Feet below surface:	504.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-25	Feet below surface:	504.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-24	Feet below surface:	503.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-23	Feet below surface:	503.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-22	Feet below surface:	502.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-21	Feet below surface:	502.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-20	Feet below surface:	501.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-19	Feet below surface:	501.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-18	Feet below surface:	500.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-17	Feet below surface:	500.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-16	Feet below surface:	501.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-05-15	Feet below surface:	501.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-14	Feet below surface:	501.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-13	Feet below surface:	501.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-12	Feet below surface:	502.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-11	Feet below surface:	502.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-10	Feet below surface:	502.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-09	Feet below surface:	501.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-08	Feet below surface:	501.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-07	Feet below surface:	500.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-06	Feet below surface:	500.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-05	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-04	Feet below surface:	498.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-03	Feet below surface:	497.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-02	Feet below surface:	496.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-01	Feet below surface:	496.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-30	Feet below surface:	495.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-29	Feet below surface:	495.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-28	Feet below surface:	495.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-27	Feet below surface:	495.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-26	Feet below surface:	494.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-25	Feet below surface:	494.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-04-24	Feet below surface:	495.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-23	Feet below surface:	495.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-22	Feet below surface:	495.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-21	Feet below surface:	496.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-20	Feet below surface:	496.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-19	Feet below surface:	496.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-18	Feet below surface:	496.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-17	Feet below surface:	496.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-16	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-15	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-14	Feet below surface:	497.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-13	Feet below surface:	497.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-12	Feet below surface:	497.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-11	Feet below surface:	498.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-10	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-09	Feet below surface:	499.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-08	Feet below surface:	500.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-07	Feet below surface:	501.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-06	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-05	Feet below surface:	502.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-04	Feet below surface:	503.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-04-03	Feet below surface:	503.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-02	Feet below surface:	504.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-01	Feet below surface:	503.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-31	Feet below surface:	504.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-30	Feet below surface:	504.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-29	Feet below surface:	504.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-28	Feet below surface:	504.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-27	Feet below surface:	505.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-26	Feet below surface:	505.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-25	Feet below surface:	506.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-24	Feet below surface:	506.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-23	Feet below surface:	506.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-22	Feet below surface:	506.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-21	Feet below surface:	506.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-20	Feet below surface:	506.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-19	Feet below surface:	507.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-18	Feet below surface:	507.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-17	Feet below surface:	507.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-16	Feet below surface:	507.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-15	Feet below surface:	507.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-14	Feet below surface:	507.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-03-13	Feet below surface:	504.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-12	Feet below surface:	504.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-11	Feet below surface:	503.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-10	Feet below surface:	402.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-09	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-08	Feet below surface:	501.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-07	Feet below surface:	500.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-06	Feet below surface:	499.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-05	Feet below surface:	498.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-04	Feet below surface:	497.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-03	Feet below surface:	497.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-02	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-01	Feet below surface:	496.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-29	Feet below surface:	495.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-28	Feet below surface:	494.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-27	Feet below surface:	493.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-26	Feet below surface:	492.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-25	Feet below surface:	492.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-24	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-23	Feet below surface:	489.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-22	Feet below surface:	488.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-02-21	Feet below surface:	487.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-20	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-19	Feet below surface:	485.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-18	Feet below surface:	485.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-17	Feet below surface:	464.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-16	Feet below surface:	484.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-15	Feet below surface:	483.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-14	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-13	Feet below surface:	481.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-12	Feet below surface:	480.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-11	Feet below surface:	478.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-10	Feet below surface:	477.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-09	Feet below surface:	476.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-08	Feet below surface:	475.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-07	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-06	Feet below surface:	473.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-05	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-04	Feet below surface:	471.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-03	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-02	Feet below surface:	470.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-01	Feet below surface:	469.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-01-31	Feet below surface:	468.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-30	Feet below surface:	467.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-29	Feet below surface:	466.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-28	Feet below surface:	465.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-27	Feet below surface:	464.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-26	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-25	Feet below surface:	462.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-24	Feet below surface:	461.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-23	Feet below surface:	460.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-22	Feet below surface:	459.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-21	Feet below surface:	457.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-20	Feet below surface:	456.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-19	Feet below surface:	454.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-18	Feet below surface:	451.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-17	Feet below surface:	451.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-16	Feet below surface:	449.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-15	Feet below surface:	447.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-14	Feet below surface:	446.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-13	Feet below surface:	445.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-12	Feet below surface:	445.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-11	Feet below surface:	444.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-01-10	Feet below surface:	443.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-09	Feet below surface:	443.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-08	Feet below surface:	444.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-07	Feet below surface:	444.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-06	Feet below surface:	445.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-05	Feet below surface:	445.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-04	Feet below surface:	445.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-03	Feet below surface:	446.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-02	Feet below surface:	447.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-01	Feet below surface:	447.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-31	Feet below surface:	448.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-30	Feet below surface:	448.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-29	Feet below surface:	449.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-28	Feet below surface:	449.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-27	Feet below surface:	450.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-26	Feet below surface:	451.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-25	Feet below surface:	452.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-24	Feet below surface:	453.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-23	Feet below surface:	453.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-22	Feet below surface:	454.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-21	Feet below surface:	454.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-12-20	Feet below surface:	454.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-19	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-18	Feet below surface:	455.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-17	Feet below surface:	455.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-16	Feet below surface:	456.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-15	Feet below surface:	456.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-14	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-13	Feet below surface:	457.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-12	Feet below surface:	458.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-11	Feet below surface:	458.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-10	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-09	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-08	Feet below surface:	461.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-07	Feet below surface:	462.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-06	Feet below surface:	162.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-05	Feet below surface:	463.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-04	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-03	Feet below surface:	164.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-02	Feet below surface:	465.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-01	Feet below surface:	465.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-30	Feet below surface:	466.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-11-29	Feet below surface:	466.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-28	Feet below surface:	467.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-27	Feet below surface:	467.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-26	Feet below surface:	468.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-25	Feet below surface:	468.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-24	Feet below surface:	469.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-23	Feet below surface:	471.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-22	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-21	Feet below surface:	472.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-20	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-19	Feet below surface:	473.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-18	Feet below surface:	473.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-17	Feet below surface:	473.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-16	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-15	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-14	Feet below surface:	474.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-13	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-12	Feet below surface:	474.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-11	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-10	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-09	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-11-08	Feet below surface:	473.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-07	Feet below surface:	473.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-06	Feet below surface:	473.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-05	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-04	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-03	Feet below surface:	474.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-02	Feet below surface:	475.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-01	Feet below surface:	476.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-31	Feet below surface:	477.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-30	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-29	Feet below surface:	479.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-28	Feet below surface:	479.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-27	Feet below surface:	480.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-26	Feet below surface:	481.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-25	Feet below surface:	482.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-24	Feet below surface:	482.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-23	Feet below surface:	483.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-22	Feet below surface:	484.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-21	Feet below surface:	484.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-20	Feet below surface:	484.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-19	Feet below surface:	485.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-10-18	Feet below surface:	485.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-17	Feet below surface:	485.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-16	Feet below surface:	486.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-15	Feet below surface:	487.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-14	Feet below surface:	487.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-13	Feet below surface:	487.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-12	Feet below surface:	487.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-11	Feet below surface:	487.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-10	Feet below surface:	488.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-09	Feet below surface:	488.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-08	Feet below surface:	489.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-07	Feet below surface:	489.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-06	Feet below surface:	489.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-05	Feet below surface:	489.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-04	Feet below surface:	489.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-03	Feet below surface:	489.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-02	Feet below surface:	490.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-01	Feet below surface:	490.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-30	Feet below surface:	490.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-29	Feet below surface:	490.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-28	Feet below surface:	491.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-09-27	Feet below surface:	491.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-26	Feet below surface:	492.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-25	Feet below surface:	493.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-24	Feet below surface:	494.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-23	Feet below surface:	495.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-22	Feet below surface:	496.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-21	Feet below surface:	497.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-20	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-19	Feet below surface:	500.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-18	Feet below surface:	501.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-17	Feet below surface:	502.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-16	Feet below surface:	503.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-15	Feet below surface:	504.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-14	Feet below surface:	506.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-13	Feet below surface:	507.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-12	Feet below surface:	508.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-11	Feet below surface:	509.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-10	Feet below surface:	511.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-09	Feet below surface:	512.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-08	Feet below surface:	513.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-07	Feet below surface:	515.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-09-06	Feet below surface:	516.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-05	Feet below surface:	517.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-04	Feet below surface:	517.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-03	Feet below surface:	518.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-02	Feet below surface:	519.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-01	Feet below surface:	519.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-31	Feet below surface:	521.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-30	Feet below surface:	520.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-29	Feet below surface:	520.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-28	Feet below surface:	520.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-27	Feet below surface:	520.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-26	Feet below surface:	520.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-25	Feet below surface:	519.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-24	Feet below surface:	519.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-23	Feet below surface:	519.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-22	Feet below surface:	519.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-21	Feet below surface:	518.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-20	Feet below surface:	518.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-19	Feet below surface:	517.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-18	Feet below surface:	517.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-17	Feet below surface:	516.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-08-16	Feet below surface:	516.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-15	Feet below surface:	516.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-14	Feet below surface:	516.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-13	Feet below surface:	515.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-12	Feet below surface:	515.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-11	Feet below surface:	514.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-10	Feet below surface:	514.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-09	Feet below surface:	514.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-08	Feet below surface:	514.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-07	Feet below surface:	513.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-06	Feet below surface:	513.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-05	Feet below surface:	514.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-04	Feet below surface:	514.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-03	Feet below surface:	515.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-08	Feet below surface:	514.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-07	Feet below surface:	513.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-06	Feet below surface:	512.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-05	Feet below surface:	511.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-04	Feet below surface:	511.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-03	Feet below surface:	511.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-02	Feet below surface:	512.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-07-01	Feet below surface:	511.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-30	Feet below surface:	509.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-29	Feet below surface:	508.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-28	Feet below surface:	506.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-27	Feet below surface:	505.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-26	Feet below surface:	505.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-25	Feet below surface:	505.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-24	Feet below surface:	505.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-23	Feet below surface:	504.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-22	Feet below surface:	503.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-21	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-20	Feet below surface:	500.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-19	Feet below surface:	500.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-18	Feet below surface:	499.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-17	Feet below surface:	489.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-16	Feet below surface:	496.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-15	Feet below surface:	495.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-14	Feet below surface:	494.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-13	Feet below surface:	494.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-12	Feet below surface:	494.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-11	Feet below surface:	494.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-06-10	Feet below surface:	493.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-09	Feet below surface:	493.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-08	Feet below surface:	492
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-07	Feet below surface:	491.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-06	Feet below surface:	492.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-05	Feet below surface:	491.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-04	Feet below surface:	491.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-03	Feet below surface:	490.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-02	Feet below surface:	489.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-01	Feet below surface:	488.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-31	Feet below surface:	487.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-30	Feet below surface:	486.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-29	Feet below surface:	484.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-28	Feet below surface:	482.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-27	Feet below surface:	480.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-26	Feet below surface:	479.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-25	Feet below surface:	477.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-24	Feet below surface:	477.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-23	Feet below surface:	477.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-22	Feet below surface:	477.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-21	Feet below surface:	477.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-05-20	Feet below surface:	477.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-19	Feet below surface:	477.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-18	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-17	Feet below surface:	477.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-16	Feet below surface:	478.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-15	Feet below surface:	477.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-14	Feet below surface:	478.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-13	Feet below surface:	478.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-12	Feet below surface:	478.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-11	Feet below surface:	479
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-10	Feet below surface:	478.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-09	Feet below surface:	478.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-08	Feet below surface:	478.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-07	Feet below surface:	479.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-06	Feet below surface:	479.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-05	Feet below surface:	479.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-04	Feet below surface:	479.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-03	Feet below surface:	490.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-02	Feet below surface:	481.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-01	Feet below surface:	482.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-30	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-04-29	Feet below surface:	483.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-28	Feet below surface:	484.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-27	Feet below surface:	483.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-26	Feet below surface:	484.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-25	Feet below surface:	485.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-24	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-23	Feet below surface:	487.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-22	Feet below surface:	486.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-21	Feet below surface:	486.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-20	Feet below surface:	487.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-19	Feet below surface:	487.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-18	Feet below surface:	488.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-17	Feet below surface:	488.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-16	Feet below surface:	488.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-15	Feet below surface:	488.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-14	Feet below surface:	488.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-13	Feet below surface:	488.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-12	Feet below surface:	488.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-11	Feet below surface:	488.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-10	Feet below surface:	488.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-09	Feet below surface:	489.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-04-08	Feet below surface:	489.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-07	Feet below surface:	490.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-06	Feet below surface:	490.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-05	Feet below surface:	491.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-04	Feet below surface:	491.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-03	Feet below surface:	492.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-02	Feet below surface:	493.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-01	Feet below surface:	493.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-31	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-30	Feet below surface:	494.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-29	Feet below surface:	494.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-28	Feet below surface:	494.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-27	Feet below surface:	494.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-26	Feet below surface:	495.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-25	Feet below surface:	495.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-24	Feet below surface:	495.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-23	Feet below surface:	495.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-22	Feet below surface:	496.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-21	Feet below surface:	497.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-20	Feet below surface:	497.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-19	Feet below surface:	497.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-03-18	Feet below surface:	498.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-17	Feet below surface:	498.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-16	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-15	Feet below surface:	499.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-14	Feet below surface:	499.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-13	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-12	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-11	Feet below surface:	498.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-10	Feet below surface:	498.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-09	Feet below surface:	497.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-08	Feet below surface:	497.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-07	Feet below surface:	497.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-06	Feet below surface:	497.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-05	Feet below surface:	497.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-04	Feet below surface:	497.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-03	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-02	Feet below surface:	496.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-01	Feet below surface:	495.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-28	Feet below surface:	495.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-27	Feet below surface:	494.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-26	Feet below surface:	494.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-02-25	Feet below surface:	493.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-24	Feet below surface:	493.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-23	Feet below surface:	492.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-22	Feet below surface:	492.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-21	Feet below surface:	491.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-20	Feet below surface:	491.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-19	Feet below surface:	491.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-18	Feet below surface:	490.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-17	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-16	Feet below surface:	491.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-15	Feet below surface:	490.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-14	Feet below surface:	489.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-13	Feet below surface:	489.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-12	Feet below surface:	488.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-11	Feet below surface:	487.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-10	Feet below surface:	487.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-09	Feet below surface:	486.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-08	Feet below surface:	485.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-07	Feet below surface:	484.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-06	Feet below surface:	483.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-05	Feet below surface:	482.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-02-04	Feet below surface:	482.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-03	Feet below surface:	481.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-02	Feet below surface:	481.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-01	Feet below surface:	481.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-31	Feet below surface:	481.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-30	Feet below surface:	480.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-29	Feet below surface:	480.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-28	Feet below surface:	480.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-27	Feet below surface:	480.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-26	Feet below surface:	480.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-25	Feet below surface:	480.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-24	Feet below surface:	480.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-23	Feet below surface:	480.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-22	Feet below surface:	479.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-21	Feet below surface:	479.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-20	Feet below surface:	479.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-19	Feet below surface:	479.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-18	Feet below surface:	478.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-17	Feet below surface:	478.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-16	Feet below surface:	477.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-15	Feet below surface:	476.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-01-14	Feet below surface:	476.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-13	Feet below surface:	475.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-12	Feet below surface:	474.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-11	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-10	Feet below surface:	473.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-09	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-08	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-07	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-06	Feet below surface:	471.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-05	Feet below surface:	471.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-04	Feet below surface:	471.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-03	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-02	Feet below surface:	470.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-01	Feet below surface:	470.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-31	Feet below surface:	470.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-30	Feet below surface:	469.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-29	Feet below surface:	469.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-28	Feet below surface:	468.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-27	Feet below surface:	468.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-26	Feet below surface:	467.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-25	Feet below surface:	467.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-12-24	Feet below surface:	466.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-23	Feet below surface:	466.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-22	Feet below surface:	464.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-21	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-20	Feet below surface:	463.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-19	Feet below surface:	463.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-18	Feet below surface:	462.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-17	Feet below surface:	462.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-16	Feet below surface:	461.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-15	Feet below surface:	461.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-14	Feet below surface:	461.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-13	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-12	Feet below surface:	460.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-11	Feet below surface:	461.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-10	Feet below surface:	462.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-09	Feet below surface:	463.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-08	Feet below surface:	463.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-07	Feet below surface:	464.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-06	Feet below surface:	465.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-05	Feet below surface:	465.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-04	Feet below surface:	466.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-12-03	Feet below surface:	466.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-02	Feet below surface:	467.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-01	Feet below surface:	468.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-30	Feet below surface:	468.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-29	Feet below surface:	469.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-28	Feet below surface:	470.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-27	Feet below surface:	470.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-26	Feet below surface:	471.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-25	Feet below surface:	472.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-24	Feet below surface:	472.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-23	Feet below surface:	472.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-22	Feet below surface:	472.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-21	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-20	Feet below surface:	472.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-19	Feet below surface:	472.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-18	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-17	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-16	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-15	Feet below surface:	473.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-14	Feet below surface:	473.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-13	Feet below surface:	473.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-11-12	Feet below surface:	473.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-11	Feet below surface:	473.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-10	Feet below surface:	473.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-09	Feet below surface:	473.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-08	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-07	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-06	Feet below surface:	472.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-05	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-04	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-03	Feet below surface:	472.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-02	Feet below surface:	472.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-01	Feet below surface:	472.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-31	Feet below surface:	472.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-30	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-29	Feet below surface:	472.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-28	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-27	Feet below surface:	473.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-26	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-25	Feet below surface:	475.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-24	Feet below surface:	475.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-23	Feet below surface:	475.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-10-22	Feet below surface:	475.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-21	Feet below surface:	475.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-20	Feet below surface:	475.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-19	Feet below surface:	476.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-18	Feet below surface:	476.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-17	Feet below surface:	476.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-16	Feet below surface:	476.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-15	Feet below surface:	476.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-14	Feet below surface:	476.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-13	Feet below surface:	476.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-12	Feet below surface:	476.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-11	Feet below surface:	475.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-10	Feet below surface:	475.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-09	Feet below surface:	475.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-08	Feet below surface:	474.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-07	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-06	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-05	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-04	Feet below surface:	473.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-03	Feet below surface:	473.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-02	Feet below surface:	473.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-10-01	Feet below surface:	473.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-30	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-29	Feet below surface:	474.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-28	Feet below surface:	477.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-27	Feet below surface:	478.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-26	Feet below surface:	478.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-25	Feet below surface:	479.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-24	Feet below surface:	479.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-23	Feet below surface:	481.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-22	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-21	Feet below surface:	482.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-20	Feet below surface:	493.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-19	Feet below surface:	484.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-18	Feet below surface:	485.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-17	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-16	Feet below surface:	487.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-15	Feet below surface:	488.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-14	Feet below surface:	489.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-13	Feet below surface:	490.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-12	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-11	Feet below surface:	491.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-09-10	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-09	Feet below surface:	492.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-08	Feet below surface:	492.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-07	Feet below surface:	493.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-06	Feet below surface:	493.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-05	Feet below surface:	493.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-04	Feet below surface:	493.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-03	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-02	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-01	Feet below surface:	493.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-31	Feet below surface:	495.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-30	Feet below surface:	496.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-29	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-28	Feet below surface:	497.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-27	Feet below surface:	497.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-26	Feet below surface:	497.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-25	Feet below surface:	498.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-24	Feet below surface:	498.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-23	Feet below surface:	498.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-22	Feet below surface:	498.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-21	Feet below surface:	499.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-08-20	Feet below surface:	499.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-19	Feet below surface:	499.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-18	Feet below surface:	500.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-17	Feet below surface:	500.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-16	Feet below surface:	501.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-15	Feet below surface:	501.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-14	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-13	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-12	Feet below surface:	502.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-11	Feet below surface:	502.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-10	Feet below surface:	502.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-09	Feet below surface:	502.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-08	Feet below surface:	502.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-07	Feet below surface:	502.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-06	Feet below surface:	502.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-05	Feet below surface:	502.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-04	Feet below surface:	502.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-03	Feet below surface:	500.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-02	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-01	Feet below surface:	498.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-31	Feet below surface:	497.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-07-30	Feet below surface:	495.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-29	Feet below surface:	495.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-28	Feet below surface:	494.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-27	Feet below surface:	495.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-26	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-25	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-24	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-23	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-22	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-21	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-20	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-19	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-18	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-17	Feet below surface:	494.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-16	Feet below surface:	494.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-15	Feet below surface:	495.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-14	Feet below surface:	495.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-13	Feet below surface:	495.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-12	Feet below surface:	494.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-11	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-10	Feet below surface:	494.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-07-09	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-08	Feet below surface:	493.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-07	Feet below surface:	493.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-06	Feet below surface:	492.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-05	Feet below surface:	492.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-04	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-03	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-02	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-01	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-29	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-28	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-27	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-26	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-25	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-24	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-23	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-21	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-20	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-19	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-18	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-06-17	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-16	Feet below surface:	491.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-15	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-14	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-13	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-12	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-11	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-10	Feet below surface:	491.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-09	Feet below surface:	489.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-08	Feet below surface:	489.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-07	Feet below surface:	488.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-06	Feet below surface:	488.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-05	Feet below surface:	487.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-04	Feet below surface:	486.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-03	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-02	Feet below surface:	485.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-01	Feet below surface:	484.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-31	Feet below surface:	484.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-30	Feet below surface:	483.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-29	Feet below surface:	483.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-28	Feet below surface:	483.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-05-27	Feet below surface:	483.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-26	Feet below surface:	483.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-25	Feet below surface:	483.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-24	Feet below surface:	483.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-23	Feet below surface:	482.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-22	Feet below surface:	481.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-21	Feet below surface:	481.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-20	Feet below surface:	481.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-19	Feet below surface:	481.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-18	Feet below surface:	480.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-17	Feet below surface:	480.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-16	Feet below surface:	480.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-15	Feet below surface:	480.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-14	Feet below surface:	479.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-13	Feet below surface:	479.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-12	Feet below surface:	479.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-11	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-10	Feet below surface:	477.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-09	Feet below surface:	476.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-08	Feet below surface:	476.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-07	Feet below surface:	475.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-05-06	Feet below surface:	475.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-05	Feet below surface:	475.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-04	Feet below surface:	474.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-03	Feet below surface:	472.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-02	Feet below surface:	472.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-01	Feet below surface:	471.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-30	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-29	Feet below surface:	470.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-28	Feet below surface:	469.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-27	Feet below surface:	469.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-26	Feet below surface:	468.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-25	Feet below surface:	467.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-24	Feet below surface:	467.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-23	Feet below surface:	466.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-22	Feet below surface:	465.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-21	Feet below surface:	465.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-20	Feet below surface:	464.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-19	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-18	Feet below surface:	463.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-17	Feet below surface:	463.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-16	Feet below surface:	462.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-04-15	Feet below surface:	462.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-14	Feet below surface:	462.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-13	Feet below surface:	463.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-12	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-11	Feet below surface:	464.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-10	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-09	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-08	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-07	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-06	Feet below surface:	464.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-05	Feet below surface:	464.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-04	Feet below surface:	464.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-03	Feet below surface:	464.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-02	Feet below surface:	466.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-01	Feet below surface:	466.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-31	Feet below surface:	466.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-30	Feet below surface:	467.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-29	Feet below surface:	467.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-28	Feet below surface:	467.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-27	Feet below surface:	467.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-26	Feet below surface:	469.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-03-25	Feet below surface:	469.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-24	Feet below surface:	469.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-23	Feet below surface:	470.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-22	Feet below surface:	470.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-21	Feet below surface:	471.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-20	Feet below surface:	471.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-19	Feet below surface:	471.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-18	Feet below surface:	471.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-17	Feet below surface:	472.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-16	Feet below surface:	472.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-15	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-14	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-13	Feet below surface:	472.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-12	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-11	Feet below surface:	473.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-10	Feet below surface:	173.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-09	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-08	Feet below surface:	471.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-07	Feet below surface:	470.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-06	Feet below surface:	469.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-05	Feet below surface:	468.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-03-04	Feet below surface:	468.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-03	Feet below surface:	467.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-02	Feet below surface:	466.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-01	Feet below surface:	465.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-28	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-27	Feet below surface:	461.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-26	Feet below surface:	460.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-25	Feet below surface:	459.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-24	Feet below surface:	457.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-23	Feet below surface:	456.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-22	Feet below surface:	456.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-21	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-20	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-19	Feet below surface:	455.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-18	Feet below surface:	456.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-17	Feet below surface:	454.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-16	Feet below surface:	453.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-15	Feet below surface:	453.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-14	Feet below surface:	453.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-13	Feet below surface:	453.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-12	Feet below surface:	450.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-02-11	Feet below surface:	449.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-10	Feet below surface:	448.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-09	Feet below surface:	446.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-08	Feet below surface:	444.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-07	Feet below surface:	442.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-06	Feet below surface:	439.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-05	Feet below surface:	438.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-04	Feet below surface:	437.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-03	Feet below surface:	437.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-02	Feet below surface:	432.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-01	Feet below surface:	431.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	429.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-30	Feet below surface:	428.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-29	Feet below surface:	428.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-28	Feet below surface:	427.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-27	Feet below surface:	426.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-26	Feet below surface:	425.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-25	Feet below surface:	424.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-24	Feet below surface:	424.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-23	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-22	Feet below surface:	423.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-01-21	Feet below surface:	423.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-20	Feet below surface:	423.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-19	Feet below surface:	422.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-18	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-17	Feet below surface:	424.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-16	Feet below surface:	424.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-15	Feet below surface:	424.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-14	Feet below surface:	424.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-13	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-12	Feet below surface:	423.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-11	Feet below surface:	423.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-10	Feet below surface:	423.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-09	Feet below surface:	423.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-08	Feet below surface:	423.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-07	Feet below surface:	423.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-06	Feet below surface:	423.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-05	Feet below surface:	423.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-04	Feet below surface:	425.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-03	Feet below surface:	425.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-02	Feet below surface:	426.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-01	Feet below surface:	427.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-12-31	Feet below surface:	428.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-30	Feet below surface:	428.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-29	Feet below surface:	429.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-28	Feet below surface:	429.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-27	Feet below surface:	429.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-26	Feet below surface:	430.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-25	Feet below surface:	430.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-24	Feet below surface:	430.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-23	Feet below surface:	430.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-22	Feet below surface:	430.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-21	Feet below surface:	431.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-20	Feet below surface:	431.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-19	Feet below surface:	431.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-18	Feet below surface:	431
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-17	Feet below surface:	435.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-16	Feet below surface:	437.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-15	Feet below surface:	437.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-14	Feet below surface:	437.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-13	Feet below surface:	437.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-12	Feet below surface:	437.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-11	Feet below surface:	439.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-12-10	Feet below surface:	439.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-09	Feet below surface:	439.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-08	Feet below surface:	440.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-07	Feet below surface:	440.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-06	Feet below surface:	441.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-05	Feet below surface:	441.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-04	Feet below surface:	442.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-03	Feet below surface:	442.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-02	Feet below surface:	442.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-01	Feet below surface:	443.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-30	Feet below surface:	443.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-29	Feet below surface:	443.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-28	Feet below surface:	443.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-27	Feet below surface:	443.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-26	Feet below surface:	443.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-25	Feet below surface:	443.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-24	Feet below surface:	443.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-23	Feet below surface:	443.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-22	Feet below surface:	444.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-21	Feet below surface:	444.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-20	Feet below surface:	444.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-11-19	Feet below surface:	444.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-18	Feet below surface:	444.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-17	Feet below surface:	444
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-16	Feet below surface:	445.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-15	Feet below surface:	445.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-14	Feet below surface:	445.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-13	Feet below surface:	446.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-12	Feet below surface:	446.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-11	Feet below surface:	446.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-10	Feet below surface:	446.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-09	Feet below surface:	446.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-08	Feet below surface:	446.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-07	Feet below surface:	447.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-06	Feet below surface:	448.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-05	Feet below surface:	449.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-04	Feet below surface:	450.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-03	Feet below surface:	451.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-02	Feet below surface:	452.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-01	Feet below surface:	452.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-31	Feet below surface:	453.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-30	Feet below surface:	453.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-10-29	Feet below surface:	454.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-28	Feet below surface:	454.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-27	Feet below surface:	454.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-26	Feet below surface:	454.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-25	Feet below surface:	454.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-24	Feet below surface:	454.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-23	Feet below surface:	454.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-22	Feet below surface:	454.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-21	Feet below surface:	455.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-20	Feet below surface:	459.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-19	Feet below surface:	459.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-18	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-17	Feet below surface:	460.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-16	Feet below surface:	460.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-15	Feet below surface:	461.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-14	Feet below surface:	461.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-13	Feet below surface:	461.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-12	Feet below surface:	462.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-11	Feet below surface:	462.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-10	Feet below surface:	463.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-09	Feet below surface:	463.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-10-08	Feet below surface:	463.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-07	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-06	Feet below surface:	404.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-05	Feet below surface:	464.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-04	Feet below surface:	464.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-03	Feet below surface:	404.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-02	Feet below surface:	404.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-01	Feet below surface:	464.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-30	Feet below surface:	465.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-29	Feet below surface:	465.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-28	Feet below surface:	466.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-27	Feet below surface:	468.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-26	Feet below surface:	469.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-25	Feet below surface:	470.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-24	Feet below surface:	470.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-23	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-22	Feet below surface:	472.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-21	Feet below surface:	470
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-20	Feet below surface:	477.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-19	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-18	Feet below surface:	479.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-09-17	Feet below surface:	480.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-16	Feet below surface:	481.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-15	Feet below surface:	482.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-14	Feet below surface:	484.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-13	Feet below surface:	485.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-12	Feet below surface:	487.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-11	Feet below surface:	488.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-10	Feet below surface:	489.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-09	Feet below surface:	492.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-08	Feet below surface:	492.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-07	Feet below surface:	493.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-06	Feet below surface:	494.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-05	Feet below surface:	494.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-04	Feet below surface:	495.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-03	Feet below surface:	495.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-02	Feet below surface:	195.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-01	Feet below surface:	495.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-31	Feet below surface:	495.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-30	Feet below surface:	495.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-29	Feet below surface:	495.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-28	Feet below surface:	495.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-08-27	Feet below surface:	495.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-26	Feet below surface:	495.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-25	Feet below surface:	495.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-24	Feet below surface:	495.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-23	Feet below surface:	497.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-22	Feet below surface:	497.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-21	Feet below surface:	497.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-20	Feet below surface:	497.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-19	Feet below surface:	497.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-18	Feet below surface:	497.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-17	Feet below surface:	497.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-16	Feet below surface:	498.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-15	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-14	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-13	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-12	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-11	Feet below surface:	498.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-10	Feet below surface:	498.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-09	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-08	Feet below surface:	499.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-07	Feet below surface:	499.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-08-06	Feet below surface:	499.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-05	Feet below surface:	499.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-04	Feet below surface:	500.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-03	Feet below surface:	500.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-02	Feet below surface:	500.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-01	Feet below surface:	500.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-31	Feet below surface:	500.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-30	Feet below surface:	501.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-29	Feet below surface:	500.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-28	Feet below surface:	499.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-27	Feet below surface:	499.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-26	Feet below surface:	499.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-25	Feet below surface:	499.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-24	Feet below surface:	499.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-23	Feet below surface:	499.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-22	Feet below surface:	499.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-21	Feet below surface:	500.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-20	Feet below surface:	499.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-19	Feet below surface:	499.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-18	Feet below surface:	499.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-17	Feet below surface:	499.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-07-16	Feet below surface:	499.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-15	Feet below surface:	499.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-14	Feet below surface:	499.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-13	Feet below surface:	499.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-12	Feet below surface:	499.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-11	Feet below surface:	499.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-10	Feet below surface:	499.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-09	Feet below surface:	498.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-08	Feet below surface:	498.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-07	Feet below surface:	497.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-06	Feet below surface:	497.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-05	Feet below surface:	496.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-04	Feet below surface:	496.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-03	Feet below surface:	496.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-02	Feet below surface:	495.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-01	Feet below surface:	494
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-30	Feet below surface:	493.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-29	Feet below surface:	493.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-28	Feet below surface:	492.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-27	Feet below surface:	492.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-26	Feet below surface:	491.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-06-25	Feet below surface:	490.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-24	Feet below surface:	489.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-23	Feet below surface:	489.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-22	Feet below surface:	488.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-21	Feet below surface:	489.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-20	Feet below surface:	487.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-19	Feet below surface:	487.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-18	Feet below surface:	486.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-17	Feet below surface:	185.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-16	Feet below surface:	464.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-15	Feet below surface:	483.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-14	Feet below surface:	482.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-13	Feet below surface:	482.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-12	Feet below surface:	480.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-11	Feet below surface:	479.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-10	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-09	Feet below surface:	477.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-08	Feet below surface:	476.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-07	Feet below surface:	475.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-06	Feet below surface:	474.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-05	Feet below surface:	473.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-06-04	Feet below surface:	473
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-03	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-02	Feet below surface:	470.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-01	Feet below surface:	469.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-31	Feet below surface:	469.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-30	Feet below surface:	468.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-29	Feet below surface:	468.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-28	Feet below surface:	467.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-27	Feet below surface:	466.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-26	Feet below surface:	465.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-25	Feet below surface:	465.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-24	Feet below surface:	464.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-23	Feet below surface:	463.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-22	Feet below surface:	462.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-21	Feet below surface:	462.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-20	Feet below surface:	460.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-19	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-18	Feet below surface:	459.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-17	Feet below surface:	459.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-16	Feet below surface:	458.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-15	Feet below surface:	458.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-05-14	Feet below surface:	458.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-13	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-12	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-11	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-10	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-09	Feet below surface:	458.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-08	Feet below surface:	458.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-07	Feet below surface:	458.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-06	Feet below surface:	458.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-05	Feet below surface:	456.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-04	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-03	Feet below surface:	457.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-02	Feet below surface:	457.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-01	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-30	Feet below surface:	456.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-29	Feet below surface:	455.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-28	Feet below surface:	454.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-27	Feet below surface:	454.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-26	Feet below surface:	454.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-25	Feet below surface:	453.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-24	Feet below surface:	453.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-04-23	Feet below surface:	453.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-22	Feet below surface:	454.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-21	Feet below surface:	454.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-20	Feet below surface:	454.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-19	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-18	Feet below surface:	459.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-17	Feet below surface:	460.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-16	Feet below surface:	462.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-15	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-14	Feet below surface:	465.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-13	Feet below surface:	466.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-12	Feet below surface:	468.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-11	Feet below surface:	468.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-10	Feet below surface:	469
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-09	Feet below surface:	466.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-08	Feet below surface:	472.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-07	Feet below surface:	472.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-06	Feet below surface:	472.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-05	Feet below surface:	472.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-04	Feet below surface:	472.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-03	Feet below surface:	472.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-04-02	Feet below surface:	474.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-01	Feet below surface:	474.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-31	Feet below surface:	475.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-30	Feet below surface:	475.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-29	Feet below surface:	475.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-28	Feet below surface:	476.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-27	Feet below surface:	476.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-26	Feet below surface:	477.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-25	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-24	Feet below surface:	478.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-23	Feet below surface:	478.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-22	Feet below surface:	478.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-21	Feet below surface:	478.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-20	Feet below surface:	478.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-19	Feet below surface:	478.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-18	Feet below surface:	478.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-17	Feet below surface:	479.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-16	Feet below surface:	478.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-15	Feet below surface:	477.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-14	Feet below surface:	476.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-13	Feet below surface:	475.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-03-12	Feet below surface:	475.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-11	Feet below surface:	475.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-10	Feet below surface:	474.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-09	Feet below surface:	473.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-08	Feet below surface:	473.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-07	Feet below surface:	471.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-06	Feet below surface:	471.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-05	Feet below surface:	470.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-04	Feet below surface:	470.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-03	Feet below surface:	469.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-02	Feet below surface:	468.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-01	Feet below surface:	467.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-28	Feet below surface:	466.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-27	Feet below surface:	465.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-26	Feet below surface:	465.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-25	Feet below surface:	463.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-24	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-23	Feet below surface:	459.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-22	Feet below surface:	459.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-21	Feet below surface:	458.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-20	Feet below surface:	458.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-02-19	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-18	Feet below surface:	458.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-17	Feet below surface:	457.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-16	Feet below surface:	455.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-15	Feet below surface:	454.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-14	Feet below surface:	453.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-13	Feet below surface:	451.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-12	Feet below surface:	449.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-11	Feet below surface:	445.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-10	Feet below surface:	445.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-09	Feet below surface:	444.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-08	Feet below surface:	441.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-07	Feet below surface:	440.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-06	Feet below surface:	440.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-05	Feet below surface:	438.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-04	Feet below surface:	433.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-03	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-02	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-01	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-31	Feet below surface:	429.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-30	Feet below surface:	427.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-01-29	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-28	Feet below surface:	423.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-27	Feet below surface:	423.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-26	Feet below surface:	422.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-25	Feet below surface:	422.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-24	Feet below surface:	422.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-23	Feet below surface:	422.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-22	Feet below surface:	421.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-21	Feet below surface:	422.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-20	Feet below surface:	422.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-19	Feet below surface:	422.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-18	Feet below surface:	422.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-17	Feet below surface:	423.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-16	Feet below surface:	423.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-15	Feet below surface:	423.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-14	Feet below surface:	423.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-13	Feet below surface:	420.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-12	Feet below surface:	422.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-11	Feet below surface:	422.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-10	Feet below surface:	421.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-09	Feet below surface:	421.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-01-08	Feet below surface:	421.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-07	Feet below surface:	421.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-06	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-05	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-04	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-03	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-02	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-01	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-31	Feet below surface:	421.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-30	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-29	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-28	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-27	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-26	Feet below surface:	421.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-25	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-24	Feet below surface:	421.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-23	Feet below surface:	421.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-22	Feet below surface:	421.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-21	Feet below surface:	421.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-20	Feet below surface:	422
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-19	Feet below surface:	422
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-12-18	Feet below surface:	422.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-17	Feet below surface:	422.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-16	Feet below surface:	422.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-15	Feet below surface:	420.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-14	Feet below surface:	422.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-13	Feet below surface:	422.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-12	Feet below surface:	422.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-11	Feet below surface:	422.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-10	Feet below surface:	422.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-09	Feet below surface:	422.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-08	Feet below surface:	423
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-07	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-06	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-05	Feet below surface:	424.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-04	Feet below surface:	424.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-03	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-02	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-01	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	425.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-29	Feet below surface:	425.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-28	Feet below surface:	426
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-11-27	Feet below surface:	426
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-26	Feet below surface:	425.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-25	Feet below surface:	424.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-24	Feet below surface:	424.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-23	Feet below surface:	424.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-22	Feet below surface:	424.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-21	Feet below surface:	424.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-20	Feet below surface:	424.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-19	Feet below surface:	424.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-18	Feet below surface:	424.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-17	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-16	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-15	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-14	Feet below surface:	424.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-13	Feet below surface:	429.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-12	Feet below surface:	429.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-11	Feet below surface:	430.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-10	Feet below surface:	431.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-09	Feet below surface:	431.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-08	Feet below surface:	433.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-07	Feet below surface:	435.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-11-06	Feet below surface:	437.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-05	Feet below surface:	437.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-04	Feet below surface:	436.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-03	Feet below surface:	435.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-02	Feet below surface:	435
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-01	Feet below surface:	433.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-31	Feet below surface:	432.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-30	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-29	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-28	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-27	Feet below surface:	432.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-26	Feet below surface:	432.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-25	Feet below surface:	432.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-24	Feet below surface:	434.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-23	Feet below surface:	434.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-22	Feet below surface:	434.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-21	Feet below surface:	435.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-20	Feet below surface:	435.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-19	Feet below surface:	437.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-18	Feet below surface:	437.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-17	Feet below surface:	437.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-10-16	Feet below surface:	437.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-15	Feet below surface:	437.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-14	Feet below surface:	437.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-13	Feet below surface:	437
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-12	Feet below surface:	439.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-11	Feet below surface:	440.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-10	Feet below surface:	440.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-09	Feet below surface:	441.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-08	Feet below surface:	443.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-07	Feet below surface:	444.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-06	Feet below surface:	448.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-05	Feet below surface:	449.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-04	Feet below surface:	452.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-03	Feet below surface:	455.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-02	Feet below surface:	457.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-01	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-30	Feet below surface:	458.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-29	Feet below surface:	458.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-28	Feet below surface:	458.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-27	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-26	Feet below surface:	458.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-09-25	Feet below surface:	458.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-24	Feet below surface:	458.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-23	Feet below surface:	457.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-22	Feet below surface:	456.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-21	Feet below surface:	456.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-20	Feet below surface:	455.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-19	Feet below surface:	454.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-18	Feet below surface:	453.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-17	Feet below surface:	453.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-16	Feet below surface:	453.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-15	Feet below surface:	452.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-14	Feet below surface:	458.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-13	Feet below surface:	459.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-12	Feet below surface:	460.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-11	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-10	Feet below surface:	461.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-09	Feet below surface:	461.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-08	Feet below surface:	461.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-07	Feet below surface:	461.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-06	Feet below surface:	462.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-05	Feet below surface:	474.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-09-04	Feet below surface:	465.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-03	Feet below surface:	468.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-02	Feet below surface:	470.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-01	Feet below surface:	472.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-30	Feet below surface:	474.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-29	Feet below surface:	477.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-28	Feet below surface:	479.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-27	Feet below surface:	480.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-26	Feet below surface:	480.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-25	Feet below surface:	482.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-24	Feet below surface:	483.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-23	Feet below surface:	484.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-22	Feet below surface:	484.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-21	Feet below surface:	485.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-20	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-19	Feet below surface:	486.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-18	Feet below surface:	485
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-17	Feet below surface:	485.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-16	Feet below surface:	485.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-15	Feet below surface:	485.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-08-14	Feet below surface:	485.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-13	Feet below surface:	485.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-12	Feet below surface:	485.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-11	Feet below surface:	485.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-10	Feet below surface:	484.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-09	Feet below surface:	484.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-08	Feet below surface:	484.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-07	Feet below surface:	484.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-06	Feet below surface:	484.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-05	Feet below surface:	484.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-04	Feet below surface:	483.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-03	Feet below surface:	483.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-02	Feet below surface:	483.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-01	Feet below surface:	483.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-31	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-30	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-29	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-28	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-27	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-26	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-25	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-07-24	Feet below surface:	483.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-23	Feet below surface:	482.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-22	Feet below surface:	482.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-21	Feet below surface:	482.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-20	Feet below surface:	481.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-19	Feet below surface:	481.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-18	Feet below surface:	481.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-17	Feet below surface:	481.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-16	Feet below surface:	481.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-15	Feet below surface:	482.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-14	Feet below surface:	481.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-13	Feet below surface:	480.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-12	Feet below surface:	480.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-11	Feet below surface:	479.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-10	Feet below surface:	480.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-09	Feet below surface:	478.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-08	Feet below surface:	478.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-07	Feet below surface:	478.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-06	Feet below surface:	477.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-05	Feet below surface:	477.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-04	Feet below surface:	476.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-07-03	Feet below surface:	476.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-02	Feet below surface:	476.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-01	Feet below surface:	475.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-30	Feet below surface:	474.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-29	Feet below surface:	474.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-28	Feet below surface:	473.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-27	Feet below surface:	473.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-26	Feet below surface:	473.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-25	Feet below surface:	472
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-24	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-23	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-22	Feet below surface:	471.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-21	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-20	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-19	Feet below surface:	471.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-18	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-17	Feet below surface:	471.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-16	Feet below surface:	471.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-15	Feet below surface:	471.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-14	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-13	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-06-12	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-11	Feet below surface:	471.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-10	Feet below surface:	471.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-09	Feet below surface:	471.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-08	Feet below surface:	471.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-07	Feet below surface:	471.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-06	Feet below surface:	471.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-05	Feet below surface:	471.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-04	Feet below surface:	470.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-03	Feet below surface:	470.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-02	Feet below surface:	470.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-01	Feet below surface:	470.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-31	Feet below surface:	470.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-30	Feet below surface:	469.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-29	Feet below surface:	469.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-28	Feet below surface:	469.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-27	Feet below surface:	469
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-26	Feet below surface:	466.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-25	Feet below surface:	466.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-24	Feet below surface:	465.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-23	Feet below surface:	465.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-05-22	Feet below surface:	464.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-21	Feet below surface:	464.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-20	Feet below surface:	464.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-19	Feet below surface:	463.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-18	Feet below surface:	463.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-17	Feet below surface:	463.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-16	Feet below surface:	462.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-15	Feet below surface:	462.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-14	Feet below surface:	462.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-13	Feet below surface:	461.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-12	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-11	Feet below surface:	460.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-10	Feet below surface:	460.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-09	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-08	Feet below surface:	459.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-07	Feet below surface:	458.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-06	Feet below surface:	457.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-05	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-03	Feet below surface:	456.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-02	Feet below surface:	456.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-01	Feet below surface:	455.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-04-30	Feet below surface:	457.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-29	Feet below surface:	457.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-28	Feet below surface:	458.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-27	Feet below surface:	458.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-26	Feet below surface:	459.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-25	Feet below surface:	459.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-24	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-23	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-22	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-21	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-20	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-19	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-18	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-17	Feet below surface:	459.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-16	Feet below surface:	459.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-15	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-14	Feet below surface:	460.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-13	Feet below surface:	460.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-12	Feet below surface:	460.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-11	Feet below surface:	460.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-10	Feet below surface:	460.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-04-09	Feet below surface:	460.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-08	Feet below surface:	460.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-07	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-06	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-05	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-04	Feet below surface:	461.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-03	Feet below surface:	461.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-02	Feet below surface:	461.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-01	Feet below surface:	461.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-31	Feet below surface:	463.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-30	Feet below surface:	463.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-29	Feet below surface:	464.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-28	Feet below surface:	464.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-27	Feet below surface:	464.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-26	Feet below surface:	464.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-25	Feet below surface:	463.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-24	Feet below surface:	463.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-23	Feet below surface:	463.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-22	Feet below surface:	463.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-21	Feet below surface:	462.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-20	Feet below surface:	462.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-03-19	Feet below surface:	462.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-18	Feet below surface:	462.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-17	Feet below surface:	461.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-16	Feet below surface:	460.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-15	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-14	Feet below surface:	459.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-13	Feet below surface:	458.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-12	Feet below surface:	457.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-11	Feet below surface:	457.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-10	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-09	Feet below surface:	456.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-08	Feet below surface:	456.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-07	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-06	Feet below surface:	455.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-05	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-04	Feet below surface:	454.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-03	Feet below surface:	452.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-02	Feet below surface:	452.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-01	Feet below surface:	451.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-29	Feet below surface:	450.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-28	Feet below surface:	449.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-02-27	Feet below surface:	448.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-26	Feet below surface:	448.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-25	Feet below surface:	447.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-24	Feet below surface:	447.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-23	Feet below surface:	445.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-22	Feet below surface:	444.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-21	Feet below surface:	443.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-20	Feet below surface:	443.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-19	Feet below surface:	442.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-18	Feet below surface:	441.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-17	Feet below surface:	441.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-16	Feet below surface:	440.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-15	Feet below surface:	439.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-14	Feet below surface:	438.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-13	Feet below surface:	437.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-12	Feet below surface:	436.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-11	Feet below surface:	434.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-10	Feet below surface:	433.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-09	Feet below surface:	432.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-08	Feet below surface:	432.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-07	Feet below surface:	432.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-02-06	Feet below surface:	431.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-05	Feet below surface:	429
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-04	Feet below surface:	429.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-03	Feet below surface:	428.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-02	Feet below surface:	427.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-01	Feet below surface:	427.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-31	Feet below surface:	427.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-30	Feet below surface:	426.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-29	Feet below surface:	426.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-28	Feet below surface:	426.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-27	Feet below surface:	426.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-26	Feet below surface:	426.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-25	Feet below surface:	426.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-24	Feet below surface:	426.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-23	Feet below surface:	426.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-22	Feet below surface:	426.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-21	Feet below surface:	426.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-20	Feet below surface:	426.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-19	Feet below surface:	426.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-18	Feet below surface:	425.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-17	Feet below surface:	414.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-01-16	Feet below surface:	423.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-15	Feet below surface:	423.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-14	Feet below surface:	422.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-13	Feet below surface:	421.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-12	Feet below surface:	421.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-11	Feet below surface:	419.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-10	Feet below surface:	417.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-09	Feet below surface:	417.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-08	Feet below surface:	416.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-07	Feet below surface:	415.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-06	Feet below surface:	414.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-05	Feet below surface:	413.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-12-04	Feet below surface:	407.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-05	Feet below surface:	411.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-04	Feet below surface:	406.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-03	Feet below surface:	405.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-02	Feet below surface:	404.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-01	Feet below surface:	402.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-31	Feet below surface:	401.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-30	Feet below surface:	401.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-29	Feet below surface:	400.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-10-28	Feet below surface:	400.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-27	Feet below surface:	400.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-26	Feet below surface:	399.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-25	Feet below surface:	400.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-24	Feet below surface:	400.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-23	Feet below surface:	401.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-22	Feet below surface:	401.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-21	Feet below surface:	402.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-20	Feet below surface:	402.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-19	Feet below surface:	403.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-18	Feet below surface:	403.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-17	Feet below surface:	403.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-16	Feet below surface:	403.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-15	Feet below surface:	404.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-14	Feet below surface:	404.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-13	Feet below surface:	414.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-12	Feet below surface:	404.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-11	Feet below surface:	405.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-10	Feet below surface:	408.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-09	Feet below surface:	409.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-08	Feet below surface:	410.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-10-07	Feet below surface:	411.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-06	Feet below surface:	412.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-05	Feet below surface:	413.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-04	Feet below surface:	414.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-03	Feet below surface:	415.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-02	Feet below surface:	417.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-01	Feet below surface:	419.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-30	Feet below surface:	420.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-29	Feet below surface:	422.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-28	Feet below surface:	424.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-27	Feet below surface:	425.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-26	Feet below surface:	427.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-25	Feet below surface:	430.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-24	Feet below surface:	432.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-23	Feet below surface:	433.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-22	Feet below surface:	435.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-21	Feet below surface:	436.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-20	Feet below surface:	438.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-19	Feet below surface:	439.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-18	Feet below surface:	440.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-17	Feet below surface:	443.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-09-16	Feet below surface:	444.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-15	Feet below surface:	446.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-14	Feet below surface:	447.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-13	Feet below surface:	447.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-12	Feet below surface:	448.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-11	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-10	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-09	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-08	Feet below surface:	455.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-07	Feet below surface:	455.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-06	Feet below surface:	455.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-05	Feet below surface:	459.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-04	Feet below surface:	459.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-03	Feet below surface:	459.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-02	Feet below surface:	459.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-01	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-31	Feet below surface:	459.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-30	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-29	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-28	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-27	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-08-26	Feet below surface:	460.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-25	Feet below surface:	460.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-24	Feet below surface:	460.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-23	Feet below surface:	460.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-22	Feet below surface:	460.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-21	Feet below surface:	460.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-20	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-19	Feet below surface:	459.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-18	Feet below surface:	460.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-17	Feet below surface:	460.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-16	Feet below surface:	460.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-15	Feet below surface:	460.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-14	Feet below surface:	461.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-13	Feet below surface:	458.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-12	Feet below surface:	458.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-11	Feet below surface:	457.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-10	Feet below surface:	457.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-09	Feet below surface:	457.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-08	Feet below surface:	457.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-07	Feet below surface:	456.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-06	Feet below surface:	456.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-08-05	Feet below surface:	456.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-04	Feet below surface:	456.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-03	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-02	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-01	Feet below surface:	456.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-31	Feet below surface:	455.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-30	Feet below surface:	455.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-29	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-28	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-27	Feet below surface:	455.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-26	Feet below surface:	455.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-25	Feet below surface:	455.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-24	Feet below surface:	455.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-23	Feet below surface:	455.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-22	Feet below surface:	455.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-21	Feet below surface:	455.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-20	Feet below surface:	455.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-19	Feet below surface:	455.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-18	Feet below surface:	455.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-17	Feet below surface:	454.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-16	Feet below surface:	454.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-07-15	Feet below surface:	453.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-14	Feet below surface:	453.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-13	Feet below surface:	453.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-12	Feet below surface:	452.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-11	Feet below surface:	452.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-10	Feet below surface:	452.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-09	Feet below surface:	452.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-08	Feet below surface:	452.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-07	Feet below surface:	452.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-06	Feet below surface:	451.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-05	Feet below surface:	451.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-04	Feet below surface:	451.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-03	Feet below surface:	452.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-02	Feet below surface:	452.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-01	Feet below surface:	452.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-30	Feet below surface:	451.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-29	Feet below surface:	451.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-28	Feet below surface:	451.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-26	Feet below surface:	449.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-25	Feet below surface:	448.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-24	Feet below surface:	448.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-06-23	Feet below surface:	448.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-22	Feet below surface:	447.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-21	Feet below surface:	446.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-20	Feet below surface:	443.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-19	Feet below surface:	446.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-18	Feet below surface:	445.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-17	Feet below surface:	445.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-16	Feet below surface:	445.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-15	Feet below surface:	445.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-14	Feet below surface:	444.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-13	Feet below surface:	443.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-12	Feet below surface:	442.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-11	Feet below surface:	441.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-10	Feet below surface:	440.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-09	Feet below surface:	438.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-08	Feet below surface:	438.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-07	Feet below surface:	438.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-06	Feet below surface:	438.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-05	Feet below surface:	437.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-04	Feet below surface:	436.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-03	Feet below surface:	435.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-06-02	Feet below surface:	435.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06-01	Feet below surface:	433.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-31	Feet below surface:	431.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-30	Feet below surface:	429.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-29	Feet below surface:	427.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-28	Feet below surface:	424.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-27	Feet below surface:	421
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-26	Feet below surface:	416
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-25	Feet below surface:	404
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-24	Feet below surface:	384
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-23	Feet below surface:	436
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-22	Feet below surface:	436
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-21	Feet below surface:	433
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-20	Feet below surface:	431
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-19	Feet below surface:	431
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-18	Feet below surface:	431
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-17	Feet below surface:	431
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-16	Feet below surface:	429
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-15	Feet below surface:	426
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-14	Feet below surface:	425
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-13	Feet below surface:	423
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-05-12	Feet below surface:	421
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-11	Feet below surface:	420
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-10	Feet below surface:	418
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-09	Feet below surface:	415
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-08	Feet below surface:	412
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-07	Feet below surface:	411
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-06	Feet below surface:	411
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-05	Feet below surface:	411
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-04	Feet below surface:	410
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-03	Feet below surface:	408
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-02	Feet below surface:	408
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-01	Feet below surface:	409
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-30	Feet below surface:	409
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-29	Feet below surface:	407
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-28	Feet below surface:	400
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-27	Feet below surface:	385
Feet to sea level:	Not Reported	Note:	Not Reported

AG129
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015830**

State Well #:	11N21W03B001S	Station ID:	29890
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

130
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015840**

State Well #:	12N21W35P001S	Station ID:	39088
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

131
South
2 - 3 Miles
Higher

FED USGS **USGS40000160277**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W35N003S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	25.2
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	10.20	Feet to sea level:	Not Reported
Note:	Not Reported		

132
NNW
2 - 3 Miles
Lower

CA WELLS **CADWR0000027106**

Well ID:	32S27E18J001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E18J001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E18J001M&store_num=		
GeoTracker Data:	Not Reported		

133
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015842**

State Well #:	12N21W34N001S	Station ID:	15237
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

134
NNW
2 - 3 Miles
Lower

CA WELLS **CADWR8000016384**

State Well #:	32S26E13R001M	Station ID:	36996
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

135
ESE
2 - 3 Miles
Lower

FED USGS **USGS40000160483**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W30N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1350
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

136
SSE
2 - 3 Miles
Higher

FED USGS **USGS40000160320**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W36N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1008
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

137
South
2 - 3 Miles
Higher

CA WELLS **CADWR0000018601**

Well ID:	12N21W35N080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W35N080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W35N080S&store_num=		

GeoTracker Data: Not Reported

138
SSE **CA WELLS** **CADWR8000015848**
2 - 3 Miles
Higher

State Well #:	12N21W36N001S	Station ID:	33973
Well Name:	12N21W36N001S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

139
South **CA WELLS** **CADWR0000008179**
2 - 3 Miles
Higher

Well ID:	12N21W35P080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W35P080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W35P080S&store_num=		
GeoTracker Data:	Not Reported		

140
SE **CA WELLS** **CADWR0000012464**
2 - 3 Miles
Higher

Well ID:	12N20W30N002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W30N002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W30N002S&store_num=		
GeoTracker Data:	Not Reported		

141
SW **CA WELLS** **CADWR0000018306**
2 - 3 Miles
Higher

Well ID:	12N21W33G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W33G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W33G001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AH142
NE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016368**

State Well #:	32S27E16R001M	Station ID:	35203
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

143
NE
2 - 3 Miles
Lower

FED USGS **USGS40000160909**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	612
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AH144
NE
2 - 3 Miles
Lower

FED USGS **USGS40000160889**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AI145
North
2 - 3 Miles
Lower

FED USGS **USGS40000160950**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E17F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	4.60	Feet to sea level:	Not Reported
Note:	Not Reported		

AI146
North
2 - 3 Miles
Lower

CA WELLS **CADWR8000016424**

State Well #:	32S27E17F001M	Station ID:	21414
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

147
WSW
2 - 3 Miles
Higher

FED USGS **USGS40000160520**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E36N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19390101	Well Depth:	550
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AH148
NE
2 - 3 Miles
Lower

CA WELLS **CADWR0000015264**

Well ID:	32S27E16R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E16R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E16R001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AJ149
NE
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00015587**

Well ID:	USGS-350815119042501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350815119042501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350815119042501&store_num=		
GeoTracker Data:	Not Reported		

AJ150
NE
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00016216**

Well ID:	USGS-350819119043501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350819119043501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350819119043501&store_num=		
GeoTracker Data:	Not Reported		

AJ151
NE
2 - 3 Miles
Lower

FED USGS **USGS40000160888**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R004M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	18.6
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1989-06-29
Feet below surface:	5.50	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1989-04-06	Feet below surface:	5.50
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AJ152
NE
2 - 3 Miles
Lower

FED USGS **USGS40000160905**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	346
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	39.50	Feet to sea level:	Not Reported
Note:	Not Reported		

AH153
NE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016379**

State Well #:	32S27E16R062M	Station ID:	38039
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AH154
NE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016378**

State Well #:	32S27E16R061M	Station ID:	24856
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AK155
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015791**

State Well #:	11N21W02E001S	Station ID:	12145
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK156
South
2 - 3 Miles
Higher

FED USGS **USGS40000160220**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N021W02E001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1000
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	341.60	Feet to sea level:	Not Reported
Note:	Not Reported		

AL157
NE
2 - 3 Miles
Lower

CA WELLS **CADWR0000015986**

Well ID:	32S27E16R002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E16R002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E16R002M&store_num=		
GeoTracker Data:	Not Reported		

AL158
NE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016381**

State Well #:	32S27E16R002M	Station ID:	21413
Well Name:	32S27E16R002M	Well Use:	Residential
Well Type:	Single Well	Well Depth:	612
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

159
SE
2 - 3 Miles
Higher

FED USGS **USGS40000160343**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W36Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

160
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015790**

State Well #:	11N21W02G001S	Station ID:	12146
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AM161
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160305**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W33P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1517
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AM162
SW
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00002437**

Well ID:	USGS-350443119075001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350443119075001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350443119075001&store_num=		
GeoTracker Data:	Not Reported		

163
WSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015971**

State Well #:	32S26E35R001M	Station ID:	21292
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

164
SSE
2 - 3 Miles
Higher | **FED USGS** | **USGS40000160219**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N021W02G001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1201
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	308.80	Feet to sea level:	Not Reported
Note:	Not Reported		

AN165
East
2 - 3 Miles
Lower | **FED USGS** | **USGS40000160592**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E34H002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	17.4
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1989-07-10
Feet below surface:	5.30	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-04-07	Feet below surface:	4.00
Feet to sea level:	Not Reported	Note:	Not Reported

AN166
East
2 - 3 Miles
Lower | **CA WELLS** | **CAUSGSN00008086**

Well ID:	USGS-350618119032401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350618119032401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350618119032401&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AN167
East
2 - 3 Miles
Lower

FED USGS **USGS40000160591**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E34H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	9
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-06
Feet below surface:	4.00	Feet to sea level:	Not Reported
Note:	Not Reported		

168
SE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015873**

State Well #:	12N21W36Q002S	Station ID:	13861
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

169
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000037578**

Well ID:	12N21W34N080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W34N080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W34N080S&store_num=		
GeoTracker Data:	Not Reported		

170
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000018240**

Well ID:	12N21W36N080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W36N080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36N080S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AN171
East
2 - 3 Miles
Lower

CA WELLS **CADWR8000016067**

State Well #:	32S27E34A001M	Station ID:	21810
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

172
East
2 - 3 Miles
Lower

CA WELLS **CADWR8000016158**

State Well #:	32S27E26M061M	Station ID:	24857
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AO173
ENE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016268**

State Well #:	32S27E23N001M	Station ID:	21417
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

174
SE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015859**

State Well #:	12N21W36Q001S	Station ID:	33521
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

175
South
2 - 3 Miles
Higher

CA WELLS **CADWR0000011711**

Well ID:	11N21W02E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N21W02E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N21W02E001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AO176
ENE
2 - 3 Miles
Lower

FED USGS **USGS40000160802**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E23N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	112
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-04
Feet below surface:	4.60	Feet to sea level:	Not Reported
Note:	Not Reported		

AP177
SE
2 - 3 Miles
Higher

FED USGS **USGS40000160311**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W36Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1600
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	260.10	Feet to sea level:	Not Reported
Note:	Not Reported		

178
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160312**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W33N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	796

Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

179
SSE **CA WELLS** **CADWR0000013880**
2 - 3 Miles
Higher

Well ID:	12N21W36P080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W36P080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36P080S&store_num=		
GeoTracker Data:	Not Reported		

AP180
SE **CA WELLS** **CADWR8000015850**
2 - 3 Miles
Higher

State Well #:	12N21W36Q003S	Station ID:	13862
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

181
WNW **CA WELLS** **CADWR8000016321**
2 - 3 Miles
Lower

State Well #:	32S26E23H001M	Station ID:	37164
Well Name:	32S26E23H001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AQ182
SSW **FED USGS** **USGS40000160214**
2 - 3 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N021W04H001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1202
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-04

Feet below surface:	372.00	Feet to sea level:	Not Reported
Note:	Not Reported		

183
SSE **CA WELLS** **CADWR0000022624**
2 - 3 Miles
Higher

Well ID:	11N21W02G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N21W02G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N21W02G001S&store_num=		
GeoTracker Data:	Not Reported		

AR184
West **CA WELLS** **CADWR8000016117**
2 - 3 Miles
Higher

State Well #:	32S26E26Q001M	Station ID:	34945
Well Name:	32S26E26Q001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AR185
West **CA WELLS** **CADWR0000012415**
2 - 3 Miles
Higher

Well ID:	32S26E26Q001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S26E26Q001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S26E26Q001M&store_num=		
GeoTracker Data:	Not Reported		

AR186
West **CA WELLS** **CADWR0000028546**
2 - 3 Miles
Higher

Well ID:	32S26E26Q080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S26E26Q080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S26E26Q080M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AS187
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160380**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W32G001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1635
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AQ188
SSW
2 - 3 Miles
Lower

CA WELLS **CADWR8000015786**

State Well #:	11N21W04H001S	Station ID:	12151
Well Name:	11N21W04H001S	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	1240
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

189
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000024343**

Well ID:	12N21W36Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W36Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36Q001S&store_num=		
GeoTracker Data:	Not Reported		

AT190
SW
2 - 3 Miles
Higher

CA WELLS **CADWR0000015052**

Well ID:	12N21W33N001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W33N001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W33N001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AT191
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015843**

State Well #:	12N21W33N001S	Station ID:	33862
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AS192
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015902**

State Well #:	12N21W32G001S	Station ID:	15232
Well Name:	12N21W32G001S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AS193
SW
2 - 3 Miles
Higher

CA WELLS **CADWR0000033243**

Well ID:	12N21W32G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W32G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W32G001S&store_num=		
GeoTracker Data:	Not Reported		

194
West
2 - 3 Miles
Higher

FED USGS **USGS40000160672**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E26Q001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520101	Well Depth:	1007
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

195
NW
2 - 3 Miles
Lower

CA WELLS **CADWR0000008895**

Well ID: 32S26E24D001M
Well Type: UNK
Source: Department of Water Resources
Other Name: 32S26E24D001M
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S26E24D001M&store_num=
GeoTracker Data: Not Reported

196
SSE
2 - 3 Miles
Higher

CA WELLS **CADPR0000000972**

Well ID: 86460
Well Type: UNK
Source: Department of Pesticide Regulation
Other Name: 86460
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=86460&store_num=
GeoTracker Data: Not Reported

197
ENE
2 - 3 Miles
Lower

CA WELLS **CADWR0000026796**

Well ID: 32S27E23N001M
Well Type: UNK
Source: Department of Water Resources
Other Name: 32S27E23N001M
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E23N001M&store_num=
GeoTracker Data: Not Reported

198
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000006346**

Well ID: 12N21W36Q080S
Well Type: UNK
Source: Department of Water Resources
Other Name: 12N21W36Q080S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36Q080S&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AU199
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160466**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E35N003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	8.65
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	7.30	Feet to sea level:	Not Reported
Note:	Not Reported		

200
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000005341**

Well ID:	11N21W04H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N21W04H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N21W04H001S&store_num=		
GeoTracker Data:	Not Reported		

AU201
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160465**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	035S027E35N002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	16
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	7.13	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV202
North
2 - 3 Miles
Lower

CA WELLS **CADWR8000016459**

State Well #:	32S27E07R061M	Station ID:	38037
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AW203
SSW
2 - 3 Miles
Higher

FED USGS **USGS40000160221**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N021W04F001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1201
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	368.80	Feet to sea level:	Not Reported
Note:	Not Reported		

AX204
NNW
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00015852**

Well ID:	USGS-350854119073401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350854119073401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350854119073401&store_num=		
GeoTracker Data:	Not Reported		

AW205
SSW
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00004004**

Well ID:	USGS-350420119074701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350420119074701	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350420119074701&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AX206
NNW
2 - 3 Miles
Lower

FED USGS **USGS40000160957**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E18E001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	851	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1957-03-20
Feet below surface:	24.00	Feet to sea level:	Not Reported
Note:	Not Reported		

AV207
North
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00007844**

Well ID:	USGS-350909119063201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350909119063201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350909119063201&store_num=		
GeoTracker Data:	Not Reported		

208
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160423**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W30Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	8.4
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	7.80	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
209 **NW** **2 - 3 Miles** **Lower**	**FED USGS**	**USGS40000160879**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S026E24D001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19530101	Well Depth:	149
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-04
Feet below surface:	45.80	Feet to sea level:	Not Reported
Note:	Not Reported		

	Database	EDR ID Number
AV210 **North** **2 - 3 Miles** **Lower**	**FED USGS**	**USGS40000160998**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E07R002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	198907	Well Depth:	22
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-07-19
Feet below surface:	8.23	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **CAOG14000003860**
1 - 2 Miles

API #:	0402955327	Well #:	27X-26
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Tenneco-Rio Viejo	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

A2
South **OIL_GAS** **CAOG14000236515**
1 - 2 Miles

API #:	0403065337	Well #:	41X-27
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

A3
South **OIL_GAS** **CAOG14000236512**
1 - 2 Miles

API #:	0403065334	Well #:	62X-27
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

A4
South **OIL_GAS** **CAOG14000236516**
1 - 2 Miles

API #:	0403065338	Well #:	42X-34
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

A5
South **OIL_GAS** **CAOG14000236510**
1 - 2 Miles

API #:	0403065332	Well #:	81X-34
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

6
SW **OIL_GAS** **CAOG14000004430**
1 - 2 Miles

API #:	0403022736	Well #:	47X-31
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Blizzard	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	mip
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

7
SW **OIL_GAS** **CAOG14000234585**
1 - 2 Miles

API #:	0403063655	Well #:	1-31
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Bordeaux	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	Well Summary
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	03/17/2018		

8
South **OIL_GAS** **CAOG14000236086**
1 - 2 Miles

API #:	0403064952	Well #:	2-35
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	North Chardonnay	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Well Summary
Confidential Well:	Y	Directionally Drilled:	Y
Spud Date:	01/21/2019		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

9
SW
1 - 2 Miles

OIL_GAS **CAOG14000003867**

API #:	0402956431	Well #:	77X-28
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Tenneco-Chevron-Rio Viejo	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

10
South
1 - 2 Miles

OIL_GAS **CAOG14000202104**

API #:	0402959089	Well #:	82X
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Tenneco-Chevron-Sargent	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

B12
SW
1 - 2 Miles

OIL_GAS **CAOG14000202122**

API #:	0403051865	Well #:	28-1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Lease by Century Exploration Resources, LLC		
Field Name:	Rio Viejo	Area Name:	Any Area
GIS Source:	Notice of Intent to Drill	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B11
SW
1 - 2 Miles

OIL_GAS **CAOG14000202096**

API #:	0403051827	Well #:	28-1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Century-Maricopa Orchards	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B13
SW
1 - 2 Miles

OIL_GAS **CAOG14000202115**

API #:	0402953924	Well #:	81X
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	09/14/1976		

14
South
1 - 2 Miles

OIL_GAS **CAOG14000202112**

API #:	0402954568	Well #:	53X
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

15
SSW
1 - 2 Miles

OIL_GAS **CAOG14000202118**

API #:	0402951245	Well #:	22X
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

16
SSW
1 - 2 Miles

OIL_GAS **CAOG14000202117**

API #:	0402952487	Well #:	34X
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

17
North **OIL_GAS** **CAOG14000004233**
1 - 2 Miles

API #:	0402981952	Well #:	22X-20
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Sohio-Kern Lake Farms	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

18
South **OIL_GAS** **CAOG14000202114**
1 - 2 Miles

API #:	0402955280	Well #:	75X-34
Well Status:	Active	Well Type:	Water Disposal
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

19
South **OIL_GAS** **CAOG14000202111**
1 - 2 Miles

API #:	0402960200	Well #:	65-34
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Riordan	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

20
SSW **OIL_GAS** **CAOG14000202116**
1 - 2 Miles

API #:	0402952295	Well #:	83X
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Tenneco-Standard-San Emidio No		
Field Name:	Rio Viejo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

21
South
1 - 2 Miles

OIL_GAS **CAOG14000202107**

API #:	0402957820	Well #:	26
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Tenneco-Chevron-Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

22
SSW
2 - 3 Miles

OIL_GAS **CAOG14000202100**

API #:	0402970166	Well #:	34-1
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	Conoco	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

23
South
2 - 3 Miles

OIL_GAS **CAOG14000202108**

API #:	0402961624	Well #:	87X-34
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	Batson	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

24
SSW
2 - 3 Miles

OIL_GAS **CAOG14000202109**

API #:	0402962055	Well #:	27X-34
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Chevron-Conoco	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

C25
WSW
2 - 3 Miles

OIL_GAS **CAOG14000014156**

API #:	0403054728	Well #:	28-2
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Century-Dulcich	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

26
SSW
2 - 3 Miles

OIL_GAS **CAOG14000202113**

API #:	0402955342	Well #:	86X
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	04/26/1977		

C27
WSW
2 - 3 Miles

OIL_GAS **CAOG14000014155**

API #:	0403054727	Well #:	28-1
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	Century-Dulcich	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	Well Summary
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	08/06/2014		

28
South
2 - 3 Miles

OIL_GAS **CAOG14000202110**

API #:	0402961121	Well #:	27X-35
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Tenneco-Chevron	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

C29
WSW
2 - 3 Miles

OIL_GAS **CAOG14000234859**

API #:	0403063900	Well #:	27X-28
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Unspecified	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

C30
WSW
2 - 3 Miles

OIL_GAS **CAOG14000237705**

API #:	0403066433	Well #:	91X-29
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Unspecified	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

C31
WSW
2 - 3 Miles

OIL_GAS **CAOG14000237707**

API #:	0403066435	Well #:	11X-28
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Unspecified	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

C32
WSW
2 - 3 Miles

OIL_GAS **CAOG14000235391**

API #:	0403064367	Well #:	22X-33
Well Status:	New	Well Type:	Oil & Gas
Lease Name:	Unspecified	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

33
North **OIL_GAS** **CAOG14000002561**
2 - 3 Miles

API #:	0402932425	Well #:	36-17
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	KCL-H	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

34
SSE **OIL_GAS** **CAOG14000202126**
2 - 3 Miles

API #:	0403048134	Well #:	35-1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	CUSA	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

35
SSW **OIL_GAS** **CAOG14000202105**
2 - 3 Miles

API #:	0402958785	Well #:	66X
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo South	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

36
SSE **OIL_GAS** **CAOG14000202125**
2 - 3 Miles

API #:	0403062738	Well #:	47X-35
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	Chardonnay	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

37
South
2 - 3 Miles

OIL_GAS **CAOG14000202102**

API #:	0402966567	Well #:	12X-2
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

38
South
2 - 3 Miles

OIL_GAS **CAOG14000202101**

API #:	0402967809	Well #:	81X-3
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	11/06/1982		

39
SW
2 - 3 Miles

OIL_GAS **CAOG14000202103**

API #:	0402959568	Well #:	36X
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	Rio Viejo South	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

D40
SSE
2 - 3 Miles

OIL_GAS **CAOG14000202097**

API #:	0403054137	Well #:	1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Tamarack	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

41
NE
2 - 3 Miles

OIL_GAS **CAOG14000002559**

API #:	0402932423	Well #:	71
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	K.C.L.	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

D42
SSE
2 - 3 Miles

OIL_GAS **CAOG14000202099**

API #:	0403054139	Well #:	2-6
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Tamarack	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

D43
SSE
2 - 3 Miles

OIL_GAS **CAOG14000202098**

API #:	0403054138	Well #:	2-1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Tamarack	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

44
SSW
2 - 3 Miles

OIL_GAS **CAOG14000202106**

API #:	0402957202	Well #:	81X
Well Status:	Idle	Well Type:	Water Disposal
Lease Name:	Rio Viejo South	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

E45
South
2 - 3 Miles

OIL_GAS **CAOG14000202121**

API #:	0402984854	Well #:	83X-3
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

E46
South
2 - 3 Miles

OIL_GAS **CAOG14000202123**

API #:	0403051866	Well #:	35-1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Century-Maricopa Orchards	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	Notice of Intent to Drill
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

47
South
2 - 3 Miles

OIL_GAS **CAOG14000202119**

API #:	0403022584	Well #:	23X-2
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	Rio Viejo	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

48
SSW
2 - 3 Miles

OIL_GAS **CAOG14000202120**

API #:	0402989324	Well #:	72X-4
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	North San Emidio	Field Name:	Rio Viejo
Area Name:	Any Area	GIS Source:	mip
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

49
NNE **OIL_GAS** **CAOG14000002558**
2 - 3 Miles

API #:	0402932422	Well #:	83
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	K.C.L.	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

50
SW **OIL_GAS** **CAOG14000004158**
2 - 3 Miles

API #:	0402976299	Well #:	32-1
Well Status:	Canceled	Well Type:	Oil & Gas
Lease Name:	Forbes	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	mip
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

51
SSW **OIL_GAS** **CAOG14000208798**
2 - 3 Miles

API #:	0402985814	Well #:	54-4
Well Status:	Active	Well Type:	Oil & Gas
Lease Name:	South Rio Viejo	Field Name:	San Emidio Nose
Area Name:	Main	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

52
SW **OIL_GAS** **CAOG14000003531**
2 - 3 Miles

API #:	0402939841	Well #:	88-32
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Bandini-Hamilton Dome-Johnson		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

53
SSW
2 - 3 Miles

OIL_GAS **CAOG14000208792**

API #:	0402974902	Well #:	1-3
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Tenneco	Field Name:	San Emidio Nose
Area Name:	Main	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	04/13/1985		

54
NW
2 - 3 Miles

OIL_GAS **CAOG14000003302**

API #:	0402936596	Well #:	11-24
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Mohawk-MJM&M-Standard-USL	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93313	12	1

Federal EPA Radon Zone for KERN County: 2

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

Federal Area Radon Information for KERN COUNTY, CA

Number of sites tested: 94

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.422 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

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 and Wildlife
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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
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.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Sandrini Solar Site#2 E
Interstate 5
Bakersfield, CA 93313

Inquiry Number: 6543957.6s
June 18, 2021

The EDR Radius Map™ Report with GeoCheck®

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Shelton, CT 06484
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www.edrnet.com

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GEOCHECK ADDENDUM

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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), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

INTERSTATE 5
BAKERSFIELD, CA 93313

COORDINATES

Latitude (North):	35.1030280 - 35° 6' 10.90''
Longitude (West):	119.0453440 - 119° 2' 43.23''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	313575.4
UTM Y (Meters):	3886184.8
Elevation:	321 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012
North Map:	5639068 CONNER, CA
Version Date:	2012
Northeast Map:	5639208 WEED PATCH, CA
Version Date:	2012
Southeast Map:	5638958 METTLER, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140617
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
INTERSTATE 5
BAKERSFIELD, CA 93313

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PUREGRO CO UNIT 147	COPUS RD & I-5	RCRA NonGen / NLR, HAZNET, HWTS	Higher	3865, 0.732, SE
A2	PUREGRO CO UNIT 147	COPUS RD & I-5	FINDS, ECHO	Higher	3872, 0.733, SE
3	STURGEON SERVICES IN	11164 COPUS ROAD	FINDS	Higher	4527, 0.857, SW
4	GRIMMWAY ENTERPRISES	NW COPUS RD	CERS HAZ WASTE, CERS TANKS, CUPA Listings, CERS	Lower	5622, 1.065, NE
B5	MURRAY FAMILY FARMS	9557 COPUS RD	FINDS	Higher	5933, 1.124, ESE
B6	MURRAY FAMILY FARMS	9557 COPUS RD	CUPA Listings, CERS	Higher	5933, 1.124, ESE
C7	JIMMY D SMITH	9355 COPUS RD	PEST LIC	Higher	7396, 1.401, ESE
C8	PUREGRO CO	9355 COPUS RD	FTTS, HIST FTTS	Higher	7396, 1.401, ESE
C9	TIM P FOLEY	9355 COPUS RD	PEST LIC	Higher	7396, 1.401, ESE
C10	BAKERSFIELD, CA 560	9355 COPUS ROAD	FINDS	Higher	7396, 1.401, ESE
C11	CROP PRODUCTION SERV	9355 COPUS RD	SSTS, FTTS, HIST FTTS	Higher	7396, 1.401, ESE
C12	WESTERN FARM SERVICE	9355 COPUS RD	RMP	Higher	7396, 1.401, ESE
C13	CROP PRODUCTION SERV	9355 COPUS RD	RCRA NonGen / NLR	Higher	7396, 1.401, ESE
C14	NUTRIEN AG SOLUTIONS	9355 COPUS ROAD	SSTS	Higher	7396, 1.401, ESE
C15	CROP PRODUCTION SERV	9355 COPUS RD	EMI, HAZNET, HWTS	Higher	7396, 1.401, ESE
C16	CPS-METTLER	9355 COPUS RD	AST	Higher	7396, 1.401, ESE
C17	BAKERSFIELD, CA 560	9355 COPUS ROAD	RMP	Higher	7396, 1.401, ESE
C18	NUTRIEN AG SOLUTIONS	9355 COPUS RD	CERS HAZ WASTE, CERS TANKS, CUPA Listings, CERS	Higher	7396, 1.401, ESE
C19	BAYER CROPS SCIENCE	9355 COPUS RD	HAZNET, PEST LIC, HWTS	Higher	7396, 1.401, ESE
C20		9355 COPUS RD	ERNS	Higher	7396, 1.401, ESE
C21	WESTERN FRAM SVC - M	9355 COPUS RD	SSTS	Higher	7396, 1.401, ESE
C22	NUTRIEN AG SOLUTIONS	9355 COPUS RD	EMI, HAZNET, HWTS	Higher	7396, 1.401, ESE
C23	CROP PRODUCTION SERV	9355 COPUS RD	FINDS, ECHO	Higher	7396, 1.401, ESE
C24	WESTERN FARM SVC	9355 COPUS RD	SSTS	Higher	7396, 1.401, ESE
C25	CPS - BAKERSFIELD, C	9355 COPUS RD	FINDS	Higher	7396, 1.401, ESE
C26	ALFONSO P BARAJAS	9355 COPUS RD	PEST LIC	Higher	7396, 1.401, ESE
D27	PRD COTTON OIL CO MA	12112 COPUS ROAD	FINDS	Higher	9517, 1.802, WSW
D28	SKYDIVE SAN JOAQUIN	12112 COPUS RD	CERS TANKS, CUPA Listings, CIWQS, CERS	Higher	9517, 1.802, WSW
D29	ANDERSON CLAYTON-MAR	12112 COPUS ROAD	EMI	Higher	9517, 1.802, WSW
D30	SKY DIVE SAN JOAQUIN	12112 COPUS RD	HAZNET, CERS, HWTS	Higher	9517, 1.802, WSW
E31	WEST COAST GRAPE FAR	10901 VALPREDO RD	FINDS, ECHO	Higher	9654, 1.828, South
E32	WEST COAST GRAPE FAR	10901 VALPREDO RD	RCRA NonGen / NLR	Higher	9654, 1.828, South
F33	WHEELER FARMS	8329 SANDRINI RD	UST	Lower	10144, 1.921, NE
F34	WHEELER FARMS	8329 SANDRINI RD	RCRA NonGen / NLR	Lower	10144, 1.921, NE
F35	ADOBE CAMP	8329 SANDRINI	AST	Lower	10144, 1.921, NE
F36	WHEELER FARMS	8329 SANDRINI RD	FINDS, ECHO	Lower	10144, 1.921, NE
F37	WHEELER FARMS	8329 SANDRINI RD	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS, HWTS	Lower	10144, 1.921, NE
G38	GARY ICARDO FARMS IN	10120 VALPREDO RD 4	CUPA Listings	Higher	10229, 1.937, SSE
G39	GARY ICARDO FARMS IN	10120 VALPREDO RD	FINDS, ECHO	Higher	10229, 1.937, SSE

MAPPED SITES SUMMARY

Target Property Address:
INTERSTATE 5
BAKERSFIELD, CA 93313

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	GARY ICARDO FARMS IN	10120 VALPREDO RD 4	AST	Higher	10229, 1.937, SSE
G41	JIMMIE ICARDO FARMS	10120 VALPREDO RD 4	FINDS	Higher	10229, 1.937, SSE
G42	JIMMIE ICARDO FARMS	10120 VALPREDO RD 4	AST	Higher	10229, 1.937, SSE
G43	GARY ICARDO FARMS IN	10120 VALPREDO RD	RCRA NonGen / NLR	Higher	10229, 1.937, SSE
H44	WALKER FRY RANCH	9311 COPUS	AST	Higher	10262, 1.944, ESE
H45	WALKER FRY RANCH	9311 COPUS RD	CERS TANKS, CUPA Listings, CERS	Higher	10262, 1.944, ESE
H46	WALKER FRY RANCH	9311 COPUS RD	FINDS	Higher	10262, 1.944, ESE
I47	SOUTH VALLEY GINS IN	9759 VALPREDO RD	CUPA Listings, HWTS	Higher	10692, 2.025, SSE
I48	SOUTH VALLEY GINS IN	9759 VALPREDO	AST	Higher	10692, 2.025, SSE
I49	SO VALLEY GINS	9759 VALPREDO ROAD	CERS	Higher	10692, 2.025, SSE
I50	SO VALLEY GINS	9759 VALPREDO ROAD	ICIS, US AIRS, FINDS	Higher	10692, 2.025, SSE
I51	SO VALLEY GINS	9759 VALPREDO ROAD	ECHO	Higher	10692, 2.025, SSE
J52	J G BOSWELL COMPANY	27865 ASH RD.	FINDS	Lower	11521, 2.182, NW
J53	J G BOSWELL COMPANY	27865 ASH RD.	CERS HAZ WASTE, CERS TANKS, CERS	Lower	11531, 2.184, NW
J54	J G BOSWELL COMPANY	27865 ASH RD.	AST	Lower	11531, 2.184, NW
K55	T-MOBILE WEST, LLC S	9339 VALPREDO RD	CUPA Listings, CERS	Higher	12134, 2.298, SE
K56	RICHARDSON FAMILY TR	9339 VALPREDO	AST	Higher	12134, 2.298, SE
57	FIELD STORAGE	1/2 MI. SO. OF HERRI	RMP	Lower	13238, 2.507, NNW
L58	KERN COUNTY RANCH -	27865 ASH ROAD	RMP	Lower	14179, 2.685, NNW
L59	KERN COUNTY RANCH -	27865 ASH ROAD	FINDS	Lower	14179, 2.685, NNW
M60	V AND C FARMS	8502 VALPREDO RD	FINDS	Higher	15373, 2.912, SE
M61	V & C FARMS	8502 VALPREDO RD	UST	Higher	15373, 2.912, SE
M62	WATTS FARMING CO	8502 VALPREDO RD	CUPA Listings, CERS	Higher	15373, 2.912, SE
M63	V AND C FARMS	8502 VALPREDO RD	AST	Higher	15373, 2.912, SE
M64	WATTS FARMING CO	8502 VALPREDO RD	CERS HAZ WASTE	Higher	15373, 2.912, SE
M65	V AND C FARMS	8502 VALPREDO	AST	Higher	15373, 2.912, SE
M66	V & C FARMS	8502 VALPERDO RD	CA FID UST	Higher	15373, 2.912, SE
N67	EXXONMOBIL OIL CORP		DOT OPS	Higher	15467, 2.929, SSW
N68	TORRANCE VALLEY PIPE		DOT OPS	Higher	15691, 2.972, SSW
N69	TORRANCE VALLEY PIPE	1751 CHRIS HEER TRAI	CERS HAZ WASTE, CUPA Listings, CERS	Higher	15713, 2.976, SSW
N70	EXXONMOBIL OIL CORP	1751 CHRIS HEER TRAI	AST	Higher	15714, 2.976, SSW
N71	EMIDIO PUMP STATION	1751 CHRIS HEER	FINDS	Higher	15714, 2.976, SSW
O72	TIME ROOM	1/2 MI. SO. OF HERRI	FINDS	Lower	15749, 2.983, NW
O73	TIME ROOM	1/2 MI. SO. OF HERRI	RMP	Lower	15749, 2.983, NW
P74	KYLE L MCCLINTOCK	10888 HWY 166	PEST LIC	Higher	15803, 2.993, SSW
P75	SAN JOAQUIN FERTILIZ	10888 HIGHWAY 166	CUPA Listings, CERS	Higher	15803, 2.993, SSW
P76	SAN JOAQUIN FERTILIZ	10888 HIGHWAY 166	FINDS	Higher	15803, 2.993, SSW

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-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

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

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
CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
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

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
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST ---- SWEEPS UST Listing
HIST UST ---- Hazardous Substance Storage Container 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

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
ROD ---- Records Of Decision
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
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
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 MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing

CA BOND EXP. PLAN - Bond Expenditure Plan
Cortese - "Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS - Cleaner Facilities
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
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
PROC - Certified Processors Database
Notify 65 - Proposition 65 Records
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
HWTS - Hazardous Waste Tracking System
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical 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.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal ERNS list

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

A review of the ERNS list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 ERNS site within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C20	73
NRC Report #: 118704				
Incident Date Time: 1992-05-21 07:40:00				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
V & C FARMS	8502 VALPREDO RD	SE >2 (2.912 mi.)	M61	212
Database: KERN CO. UST, Date of Government Version: 01/19/2021				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHEELER FARMS	8329 SANDRINI RD	NE 1 - 2 (1.921 mi.)	F33	134
Database: KERN CO. UST, Date of Government Version: 01/19/2021				
Facility ID: FA0000704				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 11 AST sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CPS-METTLER	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C16	52
Database: AST, Date of Government Version: 07/06/2016				
GARY ICARDO FARMS IN	10120 VALPREDO RD 4	SSE 1 - 2 (1.937 mi.)	G40	150
Database: AST, Date of Government Version: 07/06/2016				
JIMMIE ICARDO FARMS	10120 VALPREDO RD 4	SSE 1 - 2 (1.937 mi.)	G42	151
Database: AST, Date of Government Version: 07/06/2016				
WALKER FRY RANCH	9311 COPUS	ESE 1 - 2 (1.944 mi.)	H44	154
Database: AST, Date of Government Version: 07/06/2016				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTH VALLEY GINS IN Database: AST, Date of Government Version: 07/06/2016	9759 VALPREDO	SSE >2 (2.025 mi.)	I48	162
RICHARDSON FAMILY TR Database: AST, Date of Government Version: 07/06/2016	9339 VALPREDO	SE >2 (2.298 mi.)	K56	177
V AND C FARMS Database: AST, Date of Government Version: 07/06/2016	8502 VALPREDO RD	SE >2 (2.912 mi.)	M63	219
V AND C FARMS Database: AST, Date of Government Version: 07/06/2016	8502 VALPREDO	SE >2 (2.912 mi.)	M65	226
EXXONMOBIL OIL CORP Database: AST, Date of Government Version: 07/06/2016	1751 CHRIS HEER TRAI	SSW >2 (2.976 mi.)	N70	232

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADOBE CAMP Database: AST, Date of Government Version: 07/06/2016	8329 SANDRINI	NE 1 - 2 (1.921 mi.)	F35	137
J G BOSWELL COMPANY Database: AST, Date of Government Version: 07/06/2016	27865 ASH RD.	NW >2 (2.184 mi.)	J54	173

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/20/2021 has revealed that there are 6 CERS HAZ WASTE sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NUTRIEN AG SOLUTIONS	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C18***	***61***
WATTS FARMING CO	8502 VALPREDO RD	SE >2 (2.912 mi.)	M64	220
TORRANCE VALLEY PIPE	***1751 CHRIS HEER TRAI***	***SSW >2 (2.976 mi.)***	***N69***	***229***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRIMMWAY ENTERPRISES	***NW COPUS RD***	***NE 1 - 2 (1.065 mi.)***	***4***	***15***
WHEELER FARMS	***8329 SANDRINI RD***	***NE 1 - 2 (1.921 mi.)***	***F37***	***138***
J G BOSWELL COMPANY	***27865 ASH RD.***	***NW >2 (2.184 mi.)***	***J53***	***166***

Local Lists of Registered Storage Tanks

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

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is

EXECUTIVE SUMMARY

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
V & C FARMS Facility Id: 15004609 Status: I	8502 VALPERDO RD	SE >2 (2.912 mi.)	M66	227

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 6 CERS TANKS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NUTRIEN AG SOLUTIONS	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C18***	***61***
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***WSW 1 - 2 (1.802 mi.)***	***D28***	***123***
WALKER FRY RANCH	***9311 COPUS RD***	***ESE 1 - 2 (1.944 mi.)***	***H45***	***154***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRIMMWAY ENTERPRISES	***NW COPUS RD***	***NE 1 - 2 (1.065 mi.)***	***4***	***15***
WHEELER FARMS	***8329 SANDRINI RD***	***NE 1 - 2 (1.921 mi.)***	***F37***	***138***
J G BOSWELL COMPANY	***27865 ASH RD.***	***NW >2 (2.184 mi.)***	***J53***	***166***

Other Ascertainable Records

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREGRO CO UNIT 147 EPA ID:: CAD980893648	***COPUS RD & I-5***	***SE 1/2 - 1 (0.732 mi.)***	***A1***	***9***
CROP PRODUCTION SERV EPA ID:: CAL000160219	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C13	44
WEST COAST GRAPE FAR EPA ID:: CAL000354583	10901 VALPREDO RD	S 1 - 2 (1.828 mi.)	E32	131
GARY ICARDO FARMS IN EPA ID:: CAL000250495	10120 VALPREDO RD	SSE 1 - 2 (1.937 mi.)	G43	151

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHEELER FARMS EPA ID:: CAL000127897	8329 SANDRINI RD	NE 1 - 2 (1.921 mi.)	F34	134

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SSTS: 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.

A review of the SSTS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 4 SSTS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CROP PRODUCTION SERV	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C11***	***25***
Registration Number:: 051896-CA-031				
NUTRIEN AG SOLUTIONS	9355 COPUS ROAD	ESE 1 - 2 (1.401 mi.)	C14	47
WESTERN FRAM SVC - M	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C21	77
Registration Number:: 011656CA 049				
Registration Number:: 011656CA049				
Registration Number:: 011656-CA-049				
WESTERN FARM SVC	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C24	118
Registration Number:: 011656-CA-049				

RMP: 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.

A review of the RMP list, as provided by EDR, and dated 01/22/2021 has revealed that there are 5 RMP sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN FARM SERVICE	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C12	40
BAKERSFIELD, CA 560	9355 COPUS ROAD	ESE 1 - 2 (1.401 mi.)	C17	53

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIELD STORAGE	1/2 MI. SO. OF HERRI	NNW >2 (2.507 mi.)	57	177
KERN COUNTY RANCH -	27865 ASH ROAD	NNW >2 (2.685 mi.)	L58	180
TIME ROOM	1/2 MI. SO. OF HERRI	NW >2 (2.983 mi.)	O73	233

ICIS: 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.

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there is 1 ICIS site within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO VALLEY GINS	***9759 VALPREDO ROAD***	***SSE >2 (2.025 mi.)***	***I50***	***163***

FRS ID:: 110001167148

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, has revealed that there are 2 FTTS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREGRO CO	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C8***	***24***
Database: FTTS INSP, Date of Government Version: 04/09/2009				
CROP PRODUCTION SERV	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C11***	***25***
Database: FTTS INSP, Date of Government Version: 04/09/2009				

HIST FTTS: 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.

A review of the HIST FTTS list, as provided by EDR, has revealed that there are 2 HIST FTTS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREGRO CO	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C8***	***24***
Database: HIST FTTS INSP, Date of Government Version: 10/19/2006				
CROP PRODUCTION SERV	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C11***	***25***
Database: HIST FTTS INSP, Date of Government Version: 10/19/2006				

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

A review of the DOT OPS list, as provided by EDR, and dated 01/02/2020 has revealed that there are 2 DOT OPS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXXONMOBIL OIL CORP		SSW >2 (2.929 mi.)	N67	227
TORRANCE VALLEY PIPE		SSW >2 (2.972 mi.)	N68	228

US AIRS: 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.

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within

approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO VALLEY GINS	***9759 VALPREDO ROAD***	***SSE >2 (2.025 mi.)***	***I50***	***163***
Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110001167148				

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/03/2021 has revealed that there are 19 FINDS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREGRO CO UNIT 147 Registry ID:: 110008265162	***COPUS RD & I-5***	***SE 1/2 - 1 (0.733 mi.)***	***A2***	***14***
STURGEON SERVICES IN Registry ID:: 110070344680	11164 COPUS ROAD	SW 1/2 - 1 (0.857 mi.)	3	15
MURRAY FAMILY FARMS Registry ID:: 110066742369	9557 COPUS RD	ESE 1 - 2 (1.124 mi.)	B5	19
BAKERSFIELD, CA 560 Registry ID:: 110000514033	9355 COPUS ROAD	ESE 1 - 2 (1.401 mi.)	C10	25
CROP PRODUCTION SERV Registry ID:: 110011647227	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C23***	***117***
CPS - BAKERSFIELD, C Registry ID:: 110056907851	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C25	122
PRD COTTON OIL CO MA Registry ID:: 110013832567	12112 COPUS ROAD	WSW 1 - 2 (1.802 mi.)	D27	123
WEST COAST GRAPE FAR Registry ID:: 110070477920	***10901 VALPREDO RD***	***S 1 - 2 (1.828 mi.)***	***E31***	***131***
GARY ICARDO FARMS IN Registry ID:: 110070453351	***10120 VALPREDO RD***	***SSE 1 - 2 (1.937 mi.)***	***G39***	***149***
JIMMIE ICARDO FARMS Registry ID:: 110065550424	10120 VALPREDO RD 4	SSE 1 - 2 (1.937 mi.)	G41	150
WALKER FRY RANCH Registry ID:: 110066254975	9311 COPUS RD	ESE 1 - 2 (1.944 mi.)	H46	161
SO VALLEY GINS Registry ID:: 110001167148	***9759 VALPREDO ROAD***	***SSE >2 (2.025 mi.)***	***I50***	***163***
V AND C FARMS Registry ID:: 110065270888	8502 VALPREDO RD	SE >2 (2.912 mi.)	M60	212
EMIDIO PUMP STATION Registry ID:: 110066445804	1751 CHRIS HEER	SSW >2 (2.976 mi.)	N71	233
SAN JOAQUIN FERTILIZ	10888 HIGHWAY 166	SSW >2 (2.993 mi.)	P76	246

Registry ID:: 110066085827

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHEELER FARMS Registry ID:: 110065423072	***8329 SANDRINI RD***	***NE 1 - 2 (1.921 mi.)***	***F36***	***138***
J G BOSWELL COMPANY Registry ID:: 110065525051	27865 ASH RD.	NW >2 (2.182 mi.)	J52	166
KERN COUNTY RANCH - Registry ID:: 110062901123	27865 ASH ROAD	NNW >2 (2.685 mi.)	L59	211
TIME ROOM Registry ID:: 110023011033	1/2 MI. SO. OF HERRI	NW >2 (2.983 mi.)	O72	233

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

A review of the ECHO list, as provided by EDR, and dated 01/02/2021 has revealed that there are 6 ECHO sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREGRO CO UNIT 147 Registry ID: 110008265162	***COPUS RD & I-5***	***SE 1/2 - 1 (0.733 mi.)***	***A2***	***14***
CROP PRODUCTION SERV Registry ID: 110011647227	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C23***	***117***
WEST COAST GRAPE FAR Registry ID: 110070477920	***10901 VALPREDO RD***	***S 1 - 2 (1.828 mi.)***	***E31***	***131***
GARY ICARDO FARMS IN Registry ID: 110070453351	***10120 VALPREDO RD***	***SSE 1 - 2 (1.937 mi.)***	***G39***	***149***
SO VALLEY GINS Registry ID: 110001167148	9759 VALPREDO ROAD	SSE >2 (2.025 mi.)	I51	165

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHEELER FARMS Registry ID: 110065423072	***8329 SANDRINI RD***	***NE 1 - 2 (1.921 mi.)***	***F36***	***138***

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 11 CUPA Listings sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MURRAY FAMILY FARMS Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***9557 COPUS RD***	***ESE 1 - 2 (1.124 mi.)***	***B6***	***19***
NUTRIEN AG SOLUTIONS Database: KERN CO CUPA, Date of Government Version: 10/29/2020	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C18***	***61***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***WSW 1 - 2 (1.802 mi.)***	***D28***	***123***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
GARY ICARDO FARMS IN	10120 VALPREDO RD 4	SSE 1 - 2 (1.937 mi.)	G38	149
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
WALKER FRY RANCH	***9311 COPUS RD***	***ESE 1 - 2 (1.944 mi.)***	***H45***	***154***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
SOUTH VALLEY GINS IN	***9759 VALPREDO RD***	***SSE >2 (2.025 mi.)***	***I47***	***161***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
T-MOBILE WEST, LLC S	***9339 VALPREDO RD***	***SE >2 (2.298 mi.)***	***K55***	***174***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
WATTS FARMING CO	***8502 VALPREDO RD***	***SE >2 (2.912 mi.)***	***M62***	***213***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
TORRANCE VALLEY PIPE	***1751 CHRIS HEER TRAI***	***SSW >2 (2.976 mi.)***	***N69***	***229***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				
SAN JOAQUIN FERTILIZ	***10888 HIGHWAY 166***	***SSW >2 (2.993 mi.)***	***P75***	***243***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRIMMWAY ENTERPRISES	***NW COPUS RD***	***NE 1 - 2 (1.065 mi.)***	***4***	***15***
Database: KERN CO CUPA, Date of Government Version: 10/29/2020				

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

A review of the EMI list, as provided by EDR, and dated 12/31/2018 has revealed that there are 3 EMI sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CROP PRODUCTION SERV	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C15***	***47***
Facility Id: 3272				
NUTRIEN AG SOLUTIONS	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C22***	***109***
Facility Id: 3272				
ANDERSON CLAYTON-MAR	12112 COPUS ROAD	WSW 1 - 2 (1.802 mi.)	D29	127
Facility Id: 1354				

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2019 has revealed that there are 6 HAZNET sites within approximately 3 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREGRO CO UNIT 147 GEPAID: CAD980893648	***COPUS RD & I-5***	***SE 1/2 - 1 (0.732 mi.)***	***A1***	***9***
CROP PRODUCTION SERV GEPAID: CAL000114575	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C15***	***47***
BAYER CROPS SCIENCE GEPAID: CAC002610352	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C19***	***71***
NUTRIEN AG SOLUTIONS GEPAID: CAL000160219	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C22***	***109***
SKY DIVE SAN JOAQUIN GEPAID: CAC002634415	***12112 COPUS RD***	***WSW 1 - 2 (1.802 mi.)***	***D30***	***129***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHEELER FARMS GEPAID: CAL000127897	***8329 SANDRINI RD***	***NE 1 - 2 (1.921 mi.)***	***F37***	***138***

PEST LIC: 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.

A review of the PEST LIC list, as provided by EDR, and dated 03/02/2021 has revealed that there are 5 PEST LIC sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JIMMY D SMITH	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C7	23
TIM P FOLEY	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C9	24
BAYER CROPS SCIENCE	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C19***	***71***
ALFONSO P BARAJAS	9355 COPUS RD	ESE 1 - 2 (1.401 mi.)	C26	123
KYLE L MCCLINTOCK	10888 HWY 166	SSW >2 (2.993 mi.)	P74	243

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 11/30/2020 has revealed that there is 1 CIWQS site within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***WSW 1 - 2 (1.802 mi.)***	***D28***	***123***

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 01/20/2021 has revealed that there are 13

EXECUTIVE SUMMARY

CERS sites within approximately 3 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MURRAY FAMILY FARMS	***9557 COPUS RD***	***ESE 1 - 2 (1.124 mi.)***	***B6***	***19***
NUTRIEN AG SOLUTIONS	***9355 COPUS RD***	***ESE 1 - 2 (1.401 mi.)***	***C18***	***61***
SKYDIVE SAN JOAQUIN	***12112 COPUS RD***	***WSW 1 - 2 (1.802 mi.)***	***D28***	***123***
SKY DIVE SAN JOAQUIN	***12112 COPUS RD***	***WSW 1 - 2 (1.802 mi.)***	***D30***	***129***
WALKER FRY RANCH	***9311 COPUS RD***	***ESE 1 - 2 (1.944 mi.)***	***H45***	***154***
SO VALLEY GINS	9759 VALPREDO ROAD	SSE >2 (2.025 mi.)	I49	163
T-MOBILE WEST, LLC S	***9339 VALPREDO RD***	***SE >2 (2.298 mi.)***	***K55***	***174***
WATTS FARMING CO	***8502 VALPREDO RD***	***SE >2 (2.912 mi.)***	***M62***	***213***
TORRANCE VALLEY PIPE	***1751 CHRIS HEER TRAI***	***SSW >2 (2.976 mi.)***	***N69***	***229***
SAN JOAQUIN FERTILIZ	***10888 HIGHWAY 166***	***SSW >2 (2.993 mi.)***	***P75***	***243***

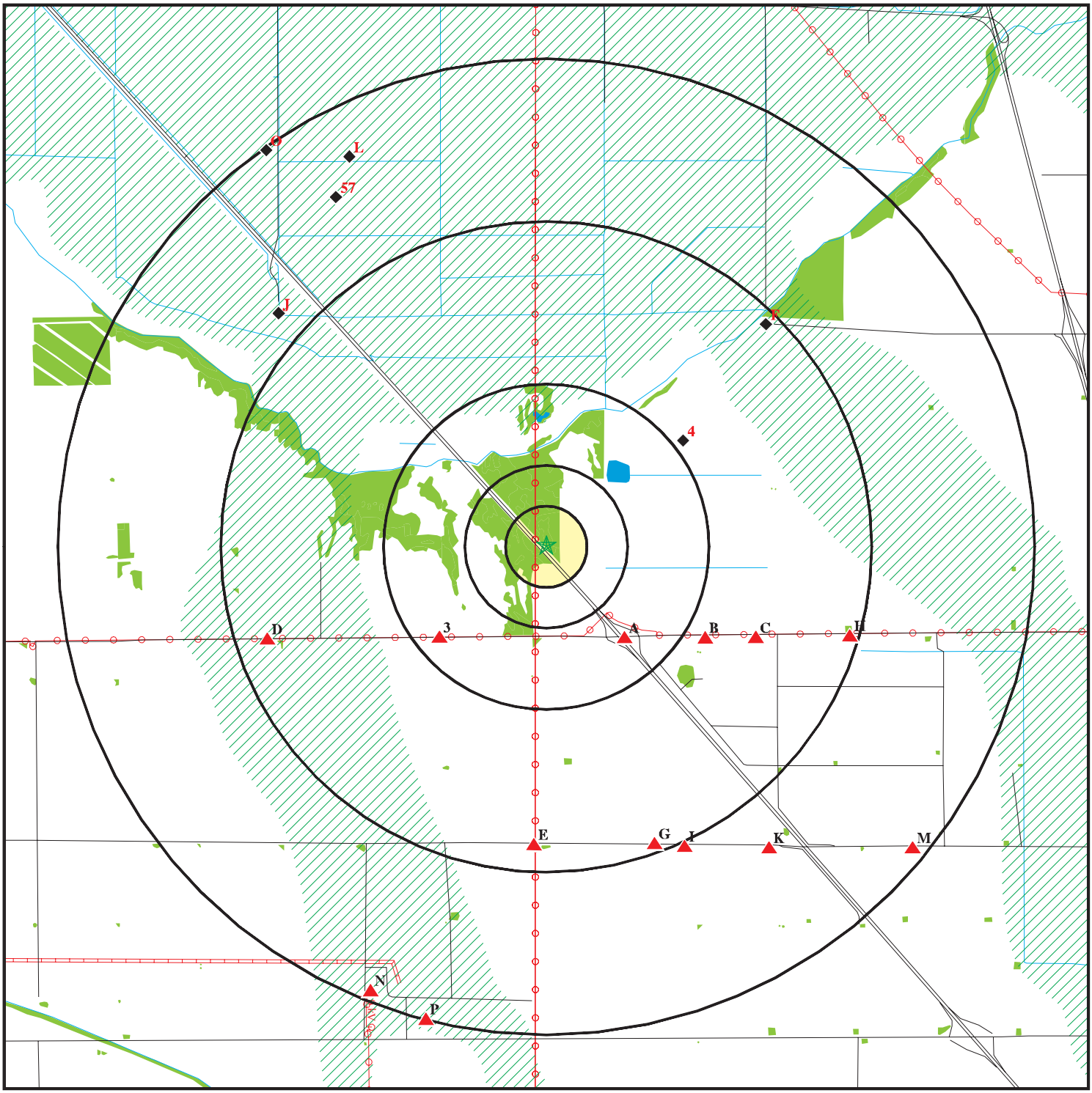
Lower Elevation	Address	Direction / Distance	Map ID	Page
GRIMMWAY ENTERPRISES	***NW COPUS RD***	***NE 1 - 2 (1.065 mi.)***	***4***	***15***
WHEELER FARMS	***8329 SANDRINI RD***	***NE 1 - 2 (1.921 mi.)***	***F37***	***138***
J G BOSWELL COMPANY	***27865 ASH RD.***	***NW >2 (2.184 mi.)***	***J53***	***166***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL

OVERVIEW MAP - 6543957.6S



0 3/4 1 1/2 3 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
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- 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:	Sandrini Solar Site#2 E	CLIENT:	KTA Associates, Inc.
ADDRESS:	Interstate 5 Bakersfield CA 93313	CONTACT:	Martin Griesse-Nascimento
LAT/LONG:	35.103028 / 119.045344	INQUIRY #:	6543957.6s
		DATE:	June 18, 2021 3:12 pm

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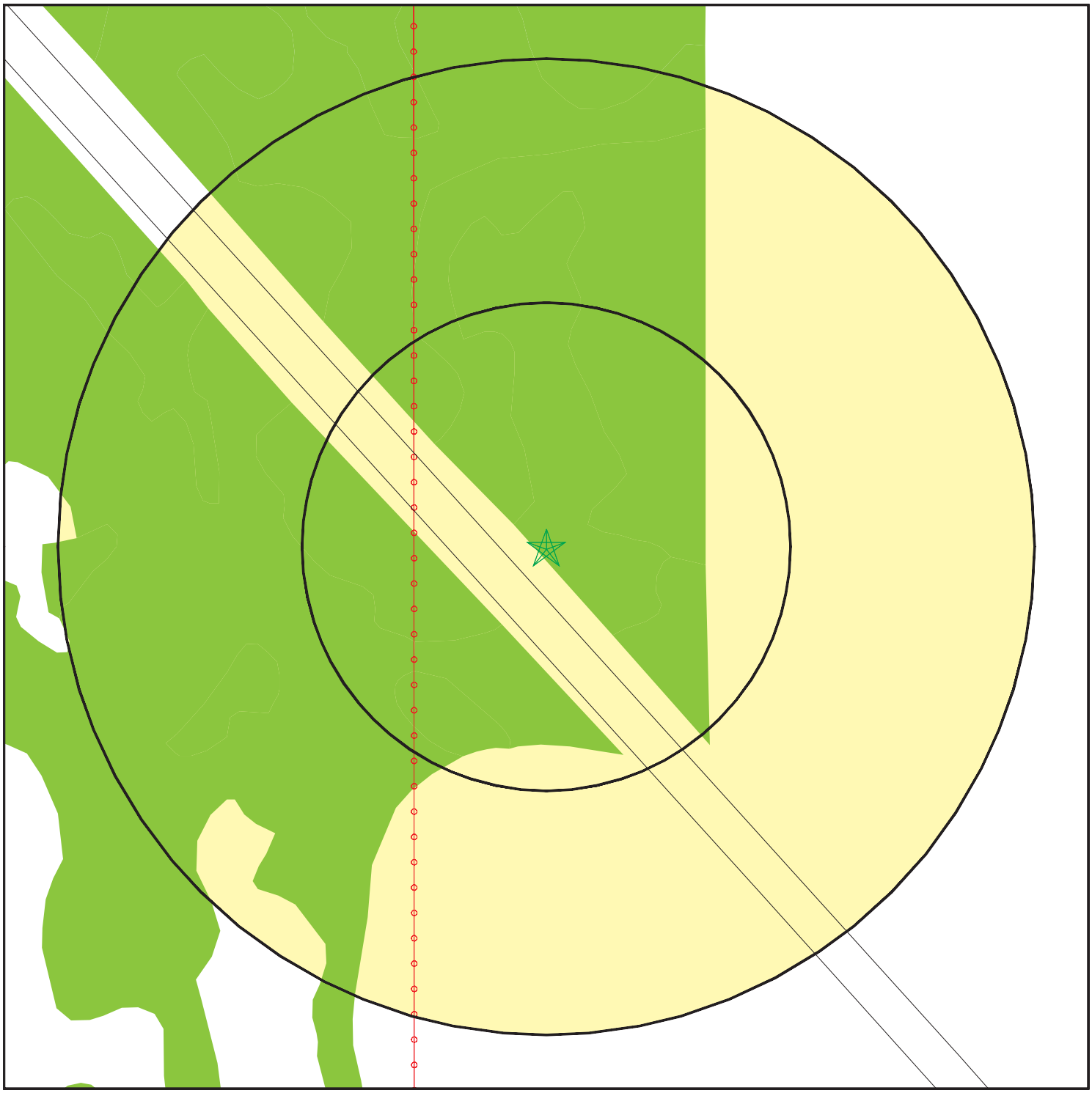
DETAIL MAP - 6543957.6S



- 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
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- 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:	Sandrini Solar Site#2 E	CLIENT:	KTA Associates, Inc.
ADDRESS:	Interstate 5 Bakersfield CA 93313	CONTACT:	Martin Griesse-Nascimento
LAT/LONG:	35.103028 / 119.045344	INQUIRY #:	6543957.6s
		DATE:	June 18, 2021 3:13 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	3.000		0	0	0	0	0	0
Proposed NPL	3.000		0	0	0	0	0	0
NPL LIENS	3.000		0	0	0	0	0	0
Federal Delisted NPL site list								
Delisted NPL	3.000		0	0	0	0	0	0
Federal CERCLIS list								
FEDERAL FACILITY	3.000		0	0	0	0	0	0
SEMS	3.000		0	0	0	0	0	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	3.000		0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
CORRACTS	3.000		0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	3.000		0	0	0	0	0	0
Federal RCRA generators list								
RCRA-LQG	3.000		0	0	0	0	0	0
RCRA-SQG	3.000		0	0	0	0	0	0
RCRA-VSQG	3.000		0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
LUCIS	3.000		0	0	0	0	0	0
US ENG CONTROLS	3.000		0	0	0	0	0	0
US INST CONTROLS	3.000		0	0	0	0	0	0
Federal ERNS list								
ERNS	3.000		0	0	0	0	1	1
State- and tribal - equivalent NPL								
RESPONSE	3.000		0	0	0	0	0	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	3.000		0	0	0	0	0	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	3.000		0	0	0	0	0	0
State and tribal leaking storage tank lists								
LUST	3.000		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	3.000		0	0	0	0	0	0
CPS-SLIC	3.000		0	0	0	0	0	0
State and tribal registered storage tank lists								
FEMA UST	3.000		0	0	0	0	0	0
UST	3.000		0	0	0	0	2	2
AST	3.000		0	0	0	0	11	11
INDIAN UST	3.000		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
INDIAN VCP	3.000		0	0	0	0	0	0
VCP	3.000		0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS	3.000		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	3.000		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	3.000		0	0	0	0	0	0
SWRCY	3.000		0	0	0	0	0	0
HAULERS	3.000		0	0	0	0	0	0
INDIAN ODI	3.000		0	0	0	0	0	0
DEBRIS REGION 9	3.000		0	0	0	0	0	0
ODI	3.000		0	0	0	0	0	0
IHS OPEN DUMPS	3.000		0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	3.000		0	0	0	0	0	0
HIST Cal-Sites	3.000		0	0	0	0	0	0
SCH	3.000		0	0	0	0	0	0
CDL	3.000		0	0	0	0	0	0
CERS HAZ WASTE	3.000		0	0	0	0	6	6
Toxic Pits	3.000		0	0	0	0	0	0
US CDL	3.000		0	0	0	0	0	0
PFAS	3.000		0	0	0	0	0	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	3.000		0	0	0	0	0	0
HIST UST	3.000		0	0	0	0	0	0
CA FID UST	3.000		0	0	0	0	1	1
CERS TANKS	3.000		0	0	0	0	6	6
Local Land Records								
LIENS	3.000		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	3.000		0	0	0	0	0	0
DEED	3.000		0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS	3.000		0	0	0	0	0	0
CHMIRS	3.000		0	0	0	0	0	0
LDS	3.000		0	0	0	0	0	0
MCS	3.000		0	0	0	0	0	0
SPILLS 90	3.000		0	0	0	0	0	0
Other Ascertainable Records								
RCRA NonGen / NLR	3.000		0	0	0	1	4	5
FUDS	3.000		0	0	0	0	0	0
DOD	3.000		0	0	0	0	0	0
SCRD DRYCLEANERS	3.000		0	0	0	0	0	0
US FIN ASSUR	3.000		0	0	0	0	0	0
EPA WATCH LIST	3.000		0	0	0	0	0	0
2020 COR ACTION	3.000		0	0	0	0	0	0
TSCA	3.000		0	0	0	0	0	0
TRIS	3.000		0	0	0	0	0	0
SSTS	3.000		0	0	0	0	4	4
ROD	3.000		0	0	0	0	0	0
RMP	3.000		0	0	0	0	5	5
RAATS	3.000		0	0	0	0	0	0
PRP	3.000		0	0	0	0	0	0
PADS	3.000		0	0	0	0	0	0
ICIS	3.000		0	0	0	0	1	1
FTTS	3.000		0	0	0	0	2	2
MLTS	3.000		0	0	0	0	0	0
COAL ASH DOE	3.000		0	0	0	0	0	0
COAL ASH EPA	3.000		0	0	0	0	0	0
PCB TRANSFORMER	3.000		0	0	0	0	0	0
RADINFO	3.000		0	0	0	0	0	0
HIST FTTS	3.000		0	0	0	0	2	2
DOT OPS	3.000		0	0	0	0	2	2
CONSENT	3.000		0	0	0	0	0	0
INDIAN RESERV	3.000		0	0	0	0	0	0
FUSRAP	3.000		0	0	0	0	0	0
UMTRA	3.000		0	0	0	0	0	0
LEAD SMELTERS	3.000		0	0	0	0	0	0
US AIRS	3.000		0	0	0	0	1	1
US MINES	3.000		0	0	0	0	0	0
ABANDONED MINES	3.000		0	0	0	0	0	0
FINDS	3.000		0	0	0	2	17	19
UXO	3.000		0	0	0	0	0	0
DOCKET HWC	3.000		0	0	0	0	0	0
ECHO	3.000		0	0	0	1	5	6
FUELS PROGRAM	3.000		0	0	0	0	0	0
CA BOND EXP. PLAN	3.000		0	0	0	0	0	0
Cortese	3.000		0	0	0	0	0	0
CUPA Listings	3.000		0	0	0	0	11	11

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
DRYCLEANERS	3.000		0	0	0	0	0	0
EMI	3.000		0	0	0	0	3	3
ENF	3.000		0	0	0	0	0	0
Financial Assurance	3.000		0	0	0	0	0	0
HAZNET	3.000		0	0	0	1	5	6
ICE	3.000		0	0	0	0	0	0
HIST CORTESE	3.000		0	0	0	0	0	0
HWP	3.000		0	0	0	0	0	0
HWT	3.000		0	0	0	0	0	0
MINES	3.000		0	0	0	0	0	0
MWMP	3.000		0	0	0	0	0	0
NPDES	3.000		0	0	0	0	0	0
PEST LIC	3.000		0	0	0	0	5	5
PROC	3.000		0	0	0	0	0	0
Notify 65	3.000		0	0	0	0	0	0
UIC	3.000		0	0	0	0	0	0
UIC GEO	3.000		0	0	0	0	0	0
WASTEWATER PITS	3.000		0	0	0	0	0	0
WDS	3.000		0	0	0	0	0	0
WIP	3.000		0	0	0	0	0	0
MILITARY PRIV SITES	3.000		0	0	0	0	0	0
PROJECT	3.000		0	0	0	0	0	0
WDR	3.000		0	0	0	0	0	0
CIWQS	3.000		0	0	0	0	1	1
CERS	3.000		0	0	0	0	13	13
NON-CASE INFO	3.000		0	0	0	0	0	0
OTHER OIL GAS	3.000		0	0	0	0	0	0
PROD WATER PONDS	3.000		0	0	0	0	0	0
SAMPLING POINT	3.000		0	0	0	0	0	0
WELL STIM PROJ	3.000		0	0	0	0	0	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	3.000		0	0	0	0	0	0
EDR Hist Auto	3.000		0	0	0	0	0	0
EDR Hist Cleaner	3.000		0	0	0	0	0	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	3.000		0	0	0	0	0	0
RGA LUST	3.000		0	0	0	0	0	0
- Totals --		0	0	0	0	5	108	113

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **PUREGRO CO UNIT 147** **RCRA NonGen / NLR** **1000202655**
SE **COPUS RD & I-5** **HAZNET** **CAD980893648**
1/2-1 **BAKERSFIELD, CA 93308** **HWTS**
0.732 mi.
3865 ft. **Site 1 of 2 in cluster A**

Relative: **Higher**
Actual: **350 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1985-02-12 00:00:00.0
Handler Name:	PUREGRO CO UNIT 147	
Handler Address:		COPUS RD & I-5
Handler City,State,Zip:		BAKERSFIELD, CA 93308
EPA ID:		CAD980893648
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		COPUS RD & I-FIFTH
Contact City,State,Zip:		BAKERSFIELD, CA 93308
Contact Telephone:		805-858-2278
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		5
Mailing Address:		RTE FIRST BOX 548
Mailing City,State,Zip:		BAKERSFIELD, CA 93308
Owner Name:		NOT REQUIRED
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

PUREGRO CO UNIT 147 (Continued) **1000202655**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:22:34.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PUREGRO CO UNIT 147 (Continued) **1000202655**

Historic Generators:
Receive Date: 1985-02-12 00:00:00.0
Handler Name: PUREGRO CO UNIT 147
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42291
NAICS Description: FARM SUPPLIES WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: PUREGRO CO UNIT 147
Address: COPUS RD & I-5
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 933080000
Contact: JAN WAGONER/ENVIRO COORD
Telephone: 9163731306
Mailing Name: Not reported
Mailing Address: 3691 CHANNEL DR

Year: 1995
Gepaid: CAD980893648
TSD EPA ID: CAT080014079
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H01 - Transfer Station
Tons: 0.225

Year: 1995
Gepaid: CAD980893648
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.003

Year: 1994
Gepaid: CAD980893648
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.003

PUREGRO CO UNIT 147 (Continued) **1000202655**

Year: 1993
Gepaid: CAD980893648
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.004

Year: 1992
Gepaid: CAD980893648
TSD EPA ID: CAT000613893
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.0885

Year: 1989
Gepaid: CAD980893648
TSD EPA ID: CAD070748125
CA Waste Code: 232 - Pesticides and other waste associated with pesticide production
Disposal Method: 03 -
Tons: 0.4

Additional Info:
Year: 1993
Gen EPA ID: CAD980893648

Shipment Date: 19931215
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931220
Manifest ID: 93032050
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.004
Waste Quantity: 8
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD980893648

Shipment Date: 19940727
Creation Date: 10/17/1995 0:00:00

PUREGRO CO UNIT 147 (Continued) **1000202655**

Receipt Date:	19940729
Manifest ID:	93681323
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD980893648
Shipment Date:	19951219
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951228
Manifest ID:	95026388
Trans EPA ID:	CAD982497158
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950628
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950630
Manifest ID:	95429450
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202

PUREGRO CO UNIT 147 (Continued) **1000202655**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PUREGRO CO UNIT 147
Address:	COPUS RD & I-5
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933080000
EPA ID:	CAD980893648
Inactive Date:	06/30/1997
Create Date:	04/12/1985
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	3691 CHANNEL DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	WEST SACRAMENTO, CA 956910000
Owner Name:	PUREGRO COMPANY
Owner Address:	376 S VALENCIA
Owner Address 2:	Not reported
Owner City,State,Zip:	BREA, CA 928236345
Contact Name:	JAN WAGONER/ENVIRO COORD
Contact Address:	3691 CHANNEL DR
Contact Address 2:	Not reported
City,State,Zip:	WEST SACRAMENTO, CA 956910000

A2 **PUREGRO CO UNIT 147** **FINDS** **1016264620**
SE **COPUS RD & I-5** **ECHO** **N/A**
1/2-1 **BAKERSFIELD, CA 93308**
0.733 mi.
3872 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
350 ft.

FINDS:
Registry ID: 110008265162

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PUREGRO CO UNIT 147 (Continued) **1016264620**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1016264620
- Registry ID: 110008265162
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008265162
- Name: PUREGRO CO UNIT 147
- Address: COPUS RD & I-5
- City,State,Zip: BAKERSFIELD, CA 93308

3
SW
1/2-1
0.857 mi.
4527 ft.

STURGEON SERVICES INTERNATIONAL, INC. **FINDS** **1024424858**
11164 COPUS ROAD **N/A**
BAKERSFIELD, CA 93313

Relative: Higher

Actual: 327 ft.

FINDS:
- Registry ID: 110070344680

Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

4
NE
> 1
1.065 mi.
5622 ft.

GRIMMWAY ENTERPRISES INC.- POE RANCH **CERS HAZ WASTE** **S121773391**
NW COPUS RD **CERS TANKS** **N/A**
BAKERSFIELD, CA 93313 **CUPA Listings**
CERS

Relative: Lower

Actual: 318 ft.

CERS HAZ WASTE:
- Name: GRIMMWAY ENTERPRISES INC.- POE RANCH
- Address: NW COPUS RD
- City,State,Zip: BAKERSFIELD, CA 93313
- Site ID: 394185
- CERS ID: 10157693
- CERS Description: Hazardous Waste Generator

CERS TANKS:
- Name: GRIMMWAY ENTERPRISES INC.- POE RANCH
- Address: NW COPUS RD
- City,State,Zip: BAKERSFIELD, CA 93313
- Site ID: 394185
- CERS ID: 10157693
- CERS Description: Aboveground Petroleum Storage

KERN CO CUPA:
- Facility ID: FA0005731
- CERS ID: 10157693
- Name: GRIMMWAY ENTERPRISES INC.- POE RANCH
- Address: NW COPUS RD
- Address 2: Not reported

GRIMMWAY ENTERPRISES INC.- POE RANCH (Continued) **S121773391**

City,State,Zip: BAKERSFIELD, CA
Billing Status: Active, billable
Program Element: BUS PLAN MED LOW RISK 1 UNIT
Program Element Code: CB2T
HMIRRP Due Date: 6/30
Current Inspection Date: 07/01/2023
Employee: Elfstrom
Mailing Address: P.O. BOX 81498
Mailing Address 2: Not reported
Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 93380-1498

CERS:
Name: GRIMMWAY ENTERPRISES INC.- POE RANCH
Address: NW COPUS RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 394185
CERS ID: 10157693
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

GRIMMWAY ENTERPRISES INC.- POE RANCH (Continued) **S121773391**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: GRIMMWAY ENTERPRISES INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 363-4732

Affiliation Type Desc: Document Preparer
Entity Name: Viviana Mendoza
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

GRIMMWAY ENTERPRISES INC.- POE RANCH (Continued) **S121773391**

Affiliation Type Desc:	Environmental Contact
Entity Name:	ROBERT WEGIS
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 81498
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93380-1498
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Wegis
Entity Title:	Regulatory Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Grimmway Enterprise Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 81498
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93380-1498
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	GRIMMWAY ENTERPRISES INC
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 81498
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States

GRIMMWAY ENTERPRISES INC.- POE RANCH (Continued) **S121773391**

Affiliation Zip: 93380-1498
Affiliation Phone: (661) 363-4732

B5 **MURRAY FAMILY FARMS INC** **FINDS** **1023376096**
ESE **9557 COPUS RD** **N/A**
> 1 **METTLER, CA 93313**
1.124 mi.
5933 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
350 ft.

FINDS:
Registry ID: 110066742369

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B6 **MURRAY FAMILY FARMS INC** **CUPA Listings** **S121774603**
ESE **9557 COPUS RD** **CERS** **N/A**
> 1 **METTLER, CA 93313**
1.124 mi.
5933 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
350 ft.

KERN CO CUPA:

Facility ID:	FA0009678
CERS ID:	10236508
Name:	MURRAY FAMILY FARMS INC
Address:	9557 COPUS RD
Address 2:	9557 COPUS RD
City,State,Zip:	METTLER, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	7/31
Current Inspection Date:	09/01/2023
Employee:	Elfstrom
Mailing Address:	PO BOX 70460
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93387

CERS:

Name:	MURRAY FAMILY FARMS INC
Address:	9557 COPUS RD
City,State,Zip:	METTLER, CA 93313
Site ID:	397973
CERS ID:	10236508
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	397973
Site Name:	MURRAY FAMILY FARMS INC
Violation Date:	09-15-2014

MURRAY FAMILY FARMS INC (Continued) **S121774603**

Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/22/2014. The facilities hazardous materials inventory was not accurate on CERS. Please add the gasoline and diesel tanks (500g) to the inventory online.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	397973
Site Name:	MURRAY FAMILY FARMS INC
Violation Date:	11-06-2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/01/2018. OBSERVED ACCUMULATION OF WASTE OIL IN MULTIPLE LOCATIONS. WASTE OIL WAS IMPROPERLY HANDLED AND STORED ON-SITE. THE FACILITY IS REQUIRED TO PROPERLY DISPOSE OF ALL WASTE OIL ON SITE. THE FACILITY CAN OBTAIN A TEMPORARY EPA ID NUMBER AND DISPOSE THE WASTE OIL WITHIN 90 DAYS. IF THE FACILITY CONTINUES TO GENERATE WASTES, PLEASE OBTAIN A HAZARDOUS WASTE GENERATOR PERMIT WITH KERN COUNTY ENVIRONMENTAL HEALTH.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	397973
Site Name:	MURRAY FAMILY FARMS INC
Violation Date:	02-25-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/13/2014. Failure to submit in CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	397973
Site Name:	MURRAY FAMILY FARMS INC
Violation Date:	11-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/01/2018. OBSERVED NUMEROUS CONTAINERS OF "ROUND UP" PESTICIDE ABOVE THRESHOLD QUANTITIES OF 55 GALLONS. FACILITY HAD CHEMICALS LISTED ON SITE THAT WAS NOT REPORTED ON THE BUSINESS PLAN INVENTORY. PLEASE REVIEW INVENTORY AND UPDATE ALL CHEMICAL ON-SITE ABOVE REPORTING THRESHOLDS AND UPDATE BUSINESS PLAN

MURRAY FAMILY FARMS INC (Continued) **S121774603**

ACCORDINGLY.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-17-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 397973
Site Name: MURRAY FAMILY FARMS INC
Site Address: 9557 COPUS RD
Site City: METTLER
Site Zip: 93313
Enf Action Date: 02-25-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

MURRAY FAMILY FARMS INC (Continued) **S121774603**

Site ID:	397973
Site Name:	MURRAY FAMILY FARMS INC
Site Address:	9557 COPUS RD
Site City:	METTLER
Site Zip:	93313
Enf Action Date:	09-15-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	BOB ENGER
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 70460
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	rebekka
Entity Title:	haas
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	MURRAY FAMILY FARMS INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 70460
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93387
Affiliation Phone:	(661) 854-2506

Affiliation Type Desc:	Operator
Entity Name:	Steve Murray
Entity Title:	Not reported

MURRAY FAMILY FARMS INC (Continued) **S121774603**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 858-1100
Affiliation Type Desc:	Parent Corporation
Entity Name:	Murray Family Farms
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	CSTC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 70460
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93387
Affiliation Phone:	Not reported

C7 **JIMMY D SMITH** **PEST LIC** **S117635763**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 1 of 20 in cluster C**

Relative: **Higher**

Actual: **354 ft.**

PEST LIC:

Name:	JIMMY D SMITH
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Facility Type:	QAC
Categories:	O
License No:	125358
Issued or Renewed Date:	01/01/2020
Expiration Date:	12/31/2021
Name:	PAUL BECERRA JR
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Facility Type:	QAC

JIMMY D SMITH (Continued) **S117635763**

Categories: O
License No: 142695
Issued or Renewed Date: 01/01/2021
Expiration Date: 12/31/2022

C8 **PUREGRO CO** **FTTS** **1009521361**
ESE **9355 COPUS RD** **HIST FTTS** **N/A**
> 1 **BAKERSFIELD, CA 93307**
1.401 mi.
7396 ft. **Site 2 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

FTTS INSP:
Inspection Number: 19920427F2227 1
Region: 09
Inspection Date: 04/27/92
Inspector: M LBARRA
Violation occurred: Yes
Investigation Type: Specific Product Review
Investigation Reason: For Cause, Cancellation Notice
Legislation Code: FIFRA
Facility Function: Producer

HIST FTTS INSP:
Inspection Number: 19920427F2227 1
Region: 09
Inspection Date: Not reported
Inspector: M LBARRA
Violation occurred: Yes
Investigation Type: Specific Product Review
Investigation Reason: For Cause, Cancellation Notice
Legislation Code: FIFRA
Facility Function: Producer

C9 **TIM P FOLEY** **PEST LIC** **S117632601**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 3 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

PEST LIC:
Name: TIM P FOLEY
Address: 9355 COPUS RD
City,State,Zip: BAKERSFIELD, CA 93313
Facility Type: QAC
Categories: O
License No: 125371
Issued or Renewed Date: 01/01/2021
Expiration Date: 12/31/2022

C10
ESE
> 1
1.401 mi.
7396 ft.

BAKERSFIELD, CA 560
9355 COPUS ROAD
BAKERSFIELD, CA 93313

Site 4 of 20 in cluster C

FINDS **1017428980**
N/A

Relative:
Higher

Actual:
354 ft.

FINDS:
Registry ID: 110000514033

Click Here:

Environmental Interest/Information System:
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C11
ESE
> 1
1.401 mi.
7396 ft.

CROP PRODUCTION SERVICES 560
9355 COPUS RD
BAKERSFIELD, CA 93313

Site 5 of 20 in cluster C

SSTS **1006282430**
FTTS **N/A**
HIST FTTS

Relative:
Higher

Actual:
354 ft.

SSTS:

Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Report Year:	2008
Registration Number:	051896-CA-031

Pre 2016:

Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	J. BILLY PIRKLE DIR. ENVIRO. HEALTH & SAF P: 970-347-1612
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	Not reported
Product Code:	Not reported
EPA Product Registration Number:	Not reported
Product Type:	Not reported
Product Classification:	Not reported
Product Use:	Not reported
Market Type:	Not reported
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Yes
RUP:	Not reported

Report Year:	2011
Registration Number:	51896-CA-31

Pre 2016:

Registration Number:	51896-CA-31

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	COTTON DEFOLIANT
Product Code:	Not reported
EPA Product Registration Number:	11656-90
Product Type:	3 - Repackages/Relabeled
Product Classification:	36 - Defoliant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	GAVICIDE SUPER 90
Product Code:	Not reported
EPA Product Registration Number:	11656-96
Product Type:	3 - Repackages/Relabeled
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	ROUNDUP ULTRAMAX (50.2% GLYPHOSATE-ISOPROPYLAMMONIUM)
Product Code:	Not reported
EPA Product Registration Number:	524-512
Product Type:	3 - Repackages/Relabeled

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Product Classification: 34 - Herbicide
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 2 - All Other Products

Report Year: 2009
Registration Number: 051896-CA-031

Pre 2016:
Registration Number: 051896-CA-031
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: 415 SPRAY OIL (TRANSFERRED 4-24-09, OK FOR 2009)
Product Code: Not reported
EPA Product Registration Number: 11656-97
Product Type: 3
Product Classification: 43
Product Use: Not reported
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: No
RUP: 2

Registration Number: 051896-CA-031
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: COTTON DEFOLIANT (TRANSFERRED 4-24-09, OK FOR 2009)
Product Code: Not reported
EPA Product Registration Number: 11656-90
Product Type: 3
Product Classification: 36
Product Use: Not reported
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: No
RUP: 2

Registration Number: 051896-CA-031

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 (TRANSFERRED 4-24-09, OK FOR 2009)
Product Code:	Not reported
EPA Product Registration Number:	11656-96
Product Type:	3
Product Classification:	43
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GRAMOXONE INTEON (30.1% PARAQUAT DICHLORIDE, RUP)
Product Code:	Not reported
EPA Product Registration Number:	100-1217
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	1

Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	K-PAM HCL FUMIGANT
Product Code:	Not reported
EPA Product Registration Number:	5481-483
Product Type:	3

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Product Classification:	29
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2
Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	PROWL H2O HERBICIDE (38.7% PENDIMETHALIN)
Product Code:	Not reported
EPA Product Registration Number:	241-418
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2
Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	ROUNDUP POWERMAX HERBICIDE (47.8 GLYCINE K SALT)
Product Code:	Not reported
EPA Product Registration Number:	524-549
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2
Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGOM 42 (42.2% METAM-SODIUM)
Product Code:	Not reported
EPA Product Registration Number:	61842-6
Product Type:	3
Product Classification:	29
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON K-54 (42.2 METAM SODIUM)
Product Code:	Not reported
EPA Product Registration Number:	61842-7
Product Type:	3
Product Classification:	29
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

Registration Number:	051896-CA-031
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CHRIS ZUCKER PURCHASING P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL (42% METAM SODIUM)
Product Code:	Not reported
EPA Product Registration Number:	5481-468
Product Type:	3
Product Classification:	29
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Region: Not reported
Zero Production: No
RUP: 2

Report Year: 2014
Registration Number: 51896-CA-31

Pre 2016:
Registration Number: 51896-CA-31
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS ROAD
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: Chris Zucker
Contact Title: Purchasing
Contact Telephone: (661) 858-2278
Contact Email: ppr@asmark.org
Product Name: 415 SPRAY OIL, NARROW RANGE (98% MINERAL OIL)
Product Code: Not reported
EPA Product Registration Number: 34704-1025
Product Type: 3 - Repackages/Relabeled
Product Classification: 43 - Insecticide
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 2 - All Other Products

Registration Number: 51896-CA-31
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS ROAD
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: Chris Zucker
Contact Title: Purchasing
Contact Telephone: (661) 858-2278
Contact Email: ppr@asmark.org
Product Name: GAVICIDE SUPER 90 OIL (99% MINERAL OIL)
Product Code: Not reported
EPA Product Registration Number: 34704-1024
Product Type: 3 - Repackages/Relabeled
Product Classification: 43 - Insecticide
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 2 - All Other Products

Registration Number: 51896-CA-31
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS ROAD
Address 2: Not reported
Country Code: USA

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	GRAMOXONE SL 2.0 (30.1 % PARAQUAT DICHLORIDE, RUP)
Product Code:	Not reported
EPA Product Registration Number:	100-1431
Product Type:	3 - Repackages/Relabeled
Product Classification:	34 - Herbicide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	ROUNDUP POWERMAX HERBICIDE (47.8 GLYCINE K SALT)
Product Code:	Not reported
EPA Product Registration Number:	524-549
Product Type:	3 - Repackages/Relabeled
Product Classification:	34 - Herbicide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	SECTAGON 42 (42.2% METAM-SODIUM, RUP)
Product Code:	Not reported
EPA Product Registration Number:	61842-6
Product Type:	3 - Repackages/Relabeled
Product Classification:	29 - Fumigant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Region: 9
Zero Production: Not reported
RUP: 1 - Restricted Use Pesticide

Registration Number: 51896-CA-31
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS ROAD
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: Chris Zucker
Contact Title: Purchasing
Contact Telephone: (661) 858-2278
Contact Email: ppr@asmark.org
Product Name: SECTAGON K-54 (54% METAM-POTASSIUM, RUP)
Product Code: Not reported
EPA Product Registration Number: 61842-7
Product Type: 3 - Repackages/Relabeled
Product Classification: 29 - Fumigant
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 1 - Restricted Use Pesticide

Registration Number: 51896-CA-31
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS ROAD
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: Chris Zucker
Contact Title: Purchasing
Contact Telephone: (661) 858-2278
Contact Email: ppr@asmark.org
Product Name: VAPAM HL SOIL FUMIGANT (42% METAM SODIUM, RUP)
Product Code: Not reported
EPA Product Registration Number: 5481-468
Product Type: 3 - Repackages/Relabeled
Product Classification: 29 - Fumigant
Product Use: Not reported
Market Type: USA
Product Unit of Measure: Not reported
Region: 9
Zero Production: Not reported
RUP: 1 - Restricted Use Pesticide

Report Year: 2010
Registration Number: 51896-CA-31

Pre 2016:
Registration Number: 51896-CA-31
Name: CROP PRODUCTION SERVICES 560
Address: 9355 COPUS ROAD
Address 2: Not reported
Country Code: USA

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	415 SPRAY OIL (TRANSFERRED 4-24-09, OK FOR 2009)
Product Code:	Not reported
EPA Product Registration Number:	11656-97
Product Type:	3 - Repackages/Relabeled
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	LEAF LIFE GAVICIDE GREEN 414 (TRANSFER 4-24-09, EXIST STOCK?
Product Code:	Not reported
EPA Product Registration Number:	11656-101
Product Type:	3 - Repackages/Relabeled
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Report Year:	2012
Registration Number:	51896-CA-31

Pre 2016:

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	GRAMOXONE INTEON (30.1% PARAQUAT DICHLORIDE, RUP)
Product Code:	Not reported
EPA Product Registration Number:	100-1217
Product Type:	3 - Repackages/Relabeled

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Product Classification:	34 - Herbicide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	K-PAM HCL FUMIGANT (RUP)
Product Code:	Not reported
EPA Product Registration Number:	5481-483
Product Type:	3 - Repackages/Relabeled
Product Classification:	29 - Fumigant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	PROWL H2O HERBICIDE (38.7% PENDIMETHALIN)
Product Code:	Not reported
EPA Product Registration Number:	241-418
Product Type:	3 - Repackages/Relabeled
Product Classification:	34 - Herbicide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	TELONE II (97.5%, RUP)
Product Code:	Not reported
EPA Product Registration Number:	62719-32
Product Type:	3 - Repackages/Relabeled
Product Classification:	29 - Fumigant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide

Report Year:	2015
Registration Number:	51896-CA-31

Pre 2016:

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	415 Spray Oil, Narrow Range
Product Code:	Not reported
EPA Product Registration Number:	34704-1025
Product Type:	3 - Repackages/Relabeled
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Gavicide 470 Spray Oil
Product Code:	Not reported
EPA Product Registration Number:	34704-1066
Product Type:	3 - Repackages/Relabeled

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Gavicide Super 90
Product Code:	Not reported
EPA Product Registration Number:	34704-1024
Product Type:	3 - Repackages/Relabeled
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Gramoxone SL 2.0
Product Code:	Not reported
EPA Product Registration Number:	100-1431
Product Type:	3 - Repackages/Relabeled
Product Classification:	34 - Herbicide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Round PowerMAX
Product Code:	Not reported
EPA Product Registration Number:	524-549
Product Type:	3 - Repackages/Relabeled
Product Classification:	34 - Herbicide
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Sectagon 42
Product Code:	Not reported
EPA Product Registration Number:	61842-6
Product Type:	3 - Repackages/Relabeled
Product Classification:	29 - Fumigant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide

Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Sectagon K-54
Product Code:	Not reported
EPA Product Registration Number:	61842-7
Product Type:	3 - Repackages/Relabeled
Product Classification:	29 - Fumigant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide
Registration Number:	51896-CA-31
Name:	CROP PRODUCTION SERVICES 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Chris Zucker
Contact Title:	Purchasing
Contact Telephone:	(661) 858-2278
Contact Email:	ppr@asmark.org
Product Name:	Vapam HL
Product Code:	Not reported
EPA Product Registration Number:	5481-468
Product Type:	3 - Repackages/Relabeled
Product Classification:	29 - Fumigant
Product Use:	Not reported
Market Type:	USA
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	1 - Restricted Use Pesticide

FTTS INSP:

Inspection Number:	199501122331 2
Region:	09
Inspection Date:	01/12/95
Inspector:	JMORENO
Violation occurred:	No
Investigation Type:	General Product Review
Investigation Reason:	Neutral Scheme, State
Legislation Code:	FIFRA
Facility Function:	Producer
Inspection Number:	19950112F2331 2
Region:	09
Inspection Date:	01/12/95
Inspector:	JMORENO
Violation occurred:	No
Investigation Type:	General Product Review
Investigation Reason:	Neutral Scheme, State
Legislation Code:	FIFRA
Facility Function:	Producer

HIST FTTS INSP:

Inspection Number:	199501122331 2
Region:	09
Inspection Date:	Not reported
Inspector:	JMORENO
Violation occurred:	No
Investigation Type:	General Product Review

CROP PRODUCTION SERVICES 560 (Continued) **1006282430**

Investigation Reason:	Neutral Scheme, State
Legislation Code:	FIFRA
Facility Function:	Producer
Inspection Number:	19950112F2331 2
Region:	09
Inspection Date:	Not reported
Inspector:	JMORENO
Violation occurred:	No
Investigation Type:	General Product Review
Investigation Reason:	Neutral Scheme, State
Legislation Code:	FIFRA
Facility Function:	Producer

C12 **WESTERN FARM SERVICE, METTLER** **RMP** **1011842412**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 6 of 20 in cluster C**

Relative: **Higher**
Actual: **354 ft.**

RMP:

Facility ID:	4877
Name:	WESTERN FARM SERVICE, METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
LEPC city:	Kern County OES
Facility decimal latitude:	35.094444
Facility decimal longitude:	-119.026389
Is facility in county box:	T
LatLong method:	I4
LatLong description:	OT
Home page web address:	www.agrium.com
Facility telephone:	8058582278
Facility email:	Not reported
Facility DUNS #:	50365121
Parents name:	Agrium U.S., Inc.
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Western Farm Service
Operators telephone:	5594386133
Operators address:	9355 Copus Rd
Operators City,St,Zip:	Bakersfield, CA 93313
RMP implementation contact:	Russ Keegan
RMP contact title:	Facility Manager
Emergency contact:	Russ Keegan
Emergency contact title:	Facility Manager
Emergency contact telephone:	8058582278
24 hour emergency telephone:	8056341697
Emergency contact ext/pin #:	Not reported
Number of full time employees:	39
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000060952
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F

WESTERN FARM SERVICE, METTLER (Continued) **1011842412**

Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	1997-05-01 00:00:00
Inspected by:	Kern Co Env Health
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	1999-06-29 00:00:00
Date of error Report:	Not reported
Date RMP received:	1999-06-18 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	1999-06-17 00:00:00
Is RMP complete:	True
Date of de-registration:	2011-08-08 00:00:00
Date de-registration is effective:	2011-07-01 00:00:00
Aniversary date:	2004-06-17 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.1.5
FRS latitude:	35.095129999999997
FRS longitude:	-119.01712000000001
FRS Description:	PLANT ENTRANCE (GENERAL)
FRS Method:	ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:

ER plan most recent review date:	1999-02-26 00:00:00
ER plan most recent employee training date:	1999-02-28 00:00:00
Local agency coordinating ER plan:	Kern County OES
Telephone of the coordinating local agency:	8058612491
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	5698
Optional facility description:	Anhydrous Ammonia
Program level:	2
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Farm Supplies Wholesalers

Prevention Program 2:

WESTERN FARM SERVICE, METTLER (Continued) **1011842412**

Safety review date:	1999-02-26 00:00:00
Federal regulation comment:	Not reported
Major Hazard:	Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Contamination, Equipment failure, Cooling loss, Earthquake, Floods, Tornado, Human factors
Process Control:	Vents, Relief valves, Check valves, Manual shutoffs, Alarms, Emergency air supply, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	Chemical increase, Change process parameters, Install process control, Install process detection, Install mitigation systems, None required
Most recent hazard review/update:	1998-09-01 00:00:00
Most recent review of op. procedures:	1999-03-29 00:00:00
Most recent training progs review/update:	1999-04-01 00:00:00
Expected completion of review changes:	Not reported
Training:	On the job
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	1999-01-01 00:00:00
Most recent equipment inspection date:	1999-01-01 00:00:00
Equipment tested:	Fire System
Most recent compliance audit date:	1997-05-22 00:00:00
Expected date of audit completion:	1997-09-01 00:00:00
Most recent incident investigation:	1998-11-13 00:00:00
Expected date of investigation changes:	1999-04-07 00:00:00
Record has CBI data:	False
Date of most recent changes:	1999-03-16 00:00:00

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	DEGADIS
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	DEGADIS
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported

WESTERN FARM SERVICE, METTLER (Continued) **1011842412**

Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	255000
Process ID:	5699
Optional facility description:	Nitrosol
Program level:	2
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Farm Supplies Wholesalers

Prevention Program 2:

Safety review date:	1999-02-26 00:00:00
Federal regulation comment:	Not reported
Major Hazard:	Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Contamination, Equipment failure, Cooling loss, Earthquake, Floods, Tornado, Human factors
Process Control:	Vents, Relief valves, Check valves, Manual shutoffs, Alarms, Emergency air supply, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	Chemical increase, Change process parameters, Install process control, Install process detection, Install mitigation systems, None required
Most recent hazard review/update:	1998-09-01 00:00:00
Most recent review of op. procedures:	1999-03-29 00:00:00
Most recent training progs review/update:	1999-04-01 00:00:00
Expected completion of review changes:	Not reported
Training:	On the job
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	1999-01-01 00:00:00
Most recent equipment inspection date:	1999-01-01 00:00:00
Equipment tested:	Fire System
Most recent compliance audit date:	1997-05-22 00:00:00
Expected date of audit completion:	1997-09-01 00:00:00
Most recent incident investigation:	1998-11-13 00:00:00
Expected date of investigation changes:	1999-04-07 00:00:00
Record has CBI data:	False
Date of most recent changes:	1999-03-16 00:00:00

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	24.299999
Physical state:	b

WESTERN FARM SERVICE, METTLER (Continued) **1011842412**

Analytical basic:	DEGADIS
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported
Percent weight of chemical:	24.299999
Physical state:	b
Analytical basic:	DEGADIS
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported
Chemical name:	Ammonia (conc 20% or greater)
Process chemical qty in 100s lbs:	48750

C13 **CROP PRODUCTION SERVICES INC** **RCRA NonGen / NLR** **1024795140**
ESE **9355 COPUS RD** **CAL000160219**
> 1 **METTLER, CA 93313**
1.401 mi.
7396 ft. **Site 7 of 20 in cluster C**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	1996-03-22 00:00:00.0
Handler Name:	CROP PRODUCTION SERVICES INC
Handler Address:	9355 COPUS RD
Handler City,State,Zip:	METTLER, CA 93313-0000
EPA ID:	CAL000160219
Contact Name:	EVAN RUDOMEN
Contact Address:	3005 ROCKY MOUNTAIN AVE
Contact City,State,Zip:	LOVELAND, CO 80538-0000
Contact Telephone:	970-685-3375
Contact Fax:	970-685-3911
Contact Email:	EVAN.RUDOMEN@CPSAGU.COM
Contact Title:	Not reported
EPA Region:	09

Actual:
354 ft.

CROP PRODUCTION SERVICES INC (Continued) **1024795140**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3005 ROCKY MOUNTAIN AVE
Mailing City,State,Zip:	LOVELAND, CO 80538-0000
Owner Name:	CROP PRODUCTION SERVICES, INC.
Owner Type:	Other
Operator Name:	EVAN RUDOMEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

CROP PRODUCTION SERVICES INC (Continued) **1024795140**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:43:34.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CROP PRODUCTION SERVICES, INC.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3005 ROCKY MOUNTAIN AVE
Owner/Operator City,State,Zip:	LOVELAND, CO 80538-0000
Owner/Operator Telephone:	970-685-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EVAN RUDOMEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3005 ROCKY MOUNTAIN AVE
Owner/Operator City,State,Zip:	LOVELAND, CO 80538-0000
Owner/Operator Telephone:	970-685-3375
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-03-22 00:00:00.0
Handler Name:	CROP PRODUCTION SERVICES INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4229
NAICS Description:	MISCELLANEOUS NONDURABLE GOODS WHOLESALERS

CROP PRODUCTION SERVICES INC (Continued) **1024795140**

NAICS Code: 42291
NAICS Description: FARM SUPPLIES WHOLESALERS

NAICS Code: 44422
NAICS Description: NURSERY, GARDEN CENTER, AND FARM SUPPLY STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C14 **NUTRIEN AG SOLUTIONS 560** **SSTS** **1025957550**
ESE **9355 COPUS ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 8 of 20 in cluster C**

Relative: **Higher**
Actual: **354 ft.**

SSTS:
Name: NUTRIEN AG SOLUTIONS 560
Address: 9355 COPUS ROAD
City,State,Zip: BAKERSFIELD, CA 93313
Report Year: Not reported
Registration Number: 51896-CA-31

C15 **CROP PRODUCTION SERVICES INC** **EMI** **S113065243**
ESE **9355 COPUS RD** **HAZNET** **N/A**
> 1 **METTLER, CA 93313** **HWTS**
1.401 mi.
7396 ft. **Site 9 of 20 in cluster C**

Relative: **Higher**
Actual: **354 ft.**

EMI:
Name: CROP PRODUCTION SERVICES INC
Address: 9355 COPUS RD
City,State,Zip: METTLER, CA 93313
Year: 2016
County Code: 15
Air Basin: SJV
Facility ID: 3272
Air District Name: SJU
SIC Code: 5191
Air District Name: SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0836055
Reactive Organic Gases Tons/Yr: 0.0836055
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: CROP PRODUCTION SERVICES INC
Address: 9355 COPUS RD

CROP PRODUCTION SERVICES INC (Continued) **S113065243**

City,State,Zip:	METTLER, CA 93313
Year:	2018
County Code:	15
Air Basin:	SJV
Facility ID:	3272
Air District Name:	SJU
SIC Code:	5191
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.05722255
Reactive Organic Gases Tons/Yr:	0.05722255
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

Name:	CROP PRODUCTION SERVICES INC
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	METTLER, CA 933130000
Contact:	DEACT 4/4/96 CO SOLD-PH
Telephone:	8058582278
Mailing Name:	Not reported
Mailing Address:	9355 COPUS RD
Year:	1996
Gepaid:	CAL000114575
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	3.6
Year:	1995
Gepaid:	CAL000114575
TSD EPA ID:	CAT080014079
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H01 - Transfer Station
Tons:	0.3925
Year:	1995
Gepaid:	CAL000114575
TSD EPA ID:	CAT080014079
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.6
Year:	1994
Gepaid:	CAL000114575
TSD EPA ID:	CAT080011059
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D99 - Disposal, Other
Tons:	0.2293

CROP PRODUCTION SERVICES INC (Continued) **S113065243**

Additional Info:

Year:	1996
Gen EPA ID:	CAL000114575
Shipment Date:	19960409
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960409
Manifest ID:	95026157
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	3.6
Waste Quantity:	7200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000114575
Shipment Date:	19951219
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951226
Manifest ID:	95026389
Trans EPA ID:	CAD982497158
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROP PRODUCTION SERVICES INC (Continued) **S113065243**

Shipment Date:	19951219
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951226
Manifest ID:	95026389
Trans EPA ID:	CAD982497158
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	P071
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951219
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951226
Manifest ID:	95026389
Trans EPA ID:	CAD982497158
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2875
Waste Quantity:	575
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951219
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951226
Manifest ID:	95026389
Trans EPA ID:	CAD982497158
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079

CROP PRODUCTION SERVICES INC (Continued) **S113065243**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL000114575
Shipment Date:	19941117
Creation Date:	10/19/1995 0:00:00
Receipt Date:	19941122
Manifest ID:	93606863
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	CAD102827599
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CROP PRODUCTION SERVICES INC
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	METTLER, CA 933130000
EPA ID:	CAL000114575
Inactive Date:	06/30/2000
Create Date:	10/27/1993
Last Act Date:	09/27/2000
Mailing Name:	Not reported
Mailing Address:	9355 COPUS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933130000

CROP PRODUCTION SERVICES INC (Continued) **S113065243**

Owner Name:	CROP PRODUCTION SERVICES INC
Owner Address:	2532 E 71ST ST
Owner Address 2:	Not reported
Owner City,State,Zip:	TULSA, OK 741360000
Contact Name:	DEACT 4/4/96 CO SOLD-PH
Contact Address:	INACTIVE PER VQ00 - BMI
Contact Address 2:	Not reported
City,State,Zip:	METTLER, CA 933130000

C16 **CPS-METTLER** **AST** **A100419119**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 10 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

AST:

Name:	CPS-METTLER
Address:	9355 COPUS RD
City/Zip:	BAKERSFIELD,93313
Certified Unified Program Agencies:	Not reported
Owner:	CROP PRODUCTION SERVICES
Total Gallons:	Not reported
CERSID:	10190572
Facility ID:	10190572
Business Name:	Crop Production Services, Inc.
Phone:	(661) 858-2278
Fax:	(661) 858-2278
Mailing Address:	9355 COPUS RD
Mailing Address City:	BAKERSFIELD
Mailing Address State:	CA
Mailing Address Zip Code:	93313
Operator Name:	JERRY CONDREN
Operator Phone:	(559) 281-3515
Owner Phone:	(970) 356-4400
Owner Mail Address:	3005 ROCKY MOUNTAIN AVE
Owner State:	CO
Owner Zip Code:	80538
Owner Country:	United States
Property Owner Name:	Crop Production Services
Property Owner Phone:	(661) 858-2278
Property Owner Mailing Address:	3005 Rocky Mountain Ave
Property Owner City:	Loveland
Property Owner Stat :	CO
Property Owner Zip Code:	80538
Property Owner Country:	United States
EPAID:	cal000160219

C17 **BAKERSFIELD, CA 560** **RMP** **1011816209**
ESE **9355 COPUS ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 11 of 20 in cluster C**

Relative: **Higher**

Actual: **354 ft.**

RMP:

Facility ID:	44131
Name:	BAKERSFIELD, CA 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
LEPC city:	Kern County OES
Facility decimal latitude:	35.094444
Facility decimal longitude:	-119.026389
Is facility in county box:	T
LatLong method:	I4
LatLong description:	CE
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	50365121
Parents name:	Western Farm Service, Inc.
Partners name:	1344
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Western Farm Service, Inc.
Operators telephone:	7654971931
Operators address:	PO Box 2300
Operators City,St,Zip:	West Lafayette, IN 47996
RMP implementation contact:	Russell Keegan
RMP contact title:	Branch Manager
Emergency contact:	Chris Zucker
Emergency contact title:	Purchasing Coordinator
Emergency contact telephone:	6618582278
24 hour emergency telephone:	6617478707
Emergency contact ext/pin #:	Not reported
Number of full time employees:	36
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000060952
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2004-01-06 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Correction
RMP description:	WFS-Bakersfield, CA 560 (Mettler)
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2005-11-02 00:00:00
Date of error Report:	Not reported
Date RMP received:	2005-11-01 00:00:00
Does RMP contain graphics files:	False

BAKERSFIELD, CA 560 (Continued) **1011816209**

Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2005-10-28 00:00:00
Is RMP complete:	True
Date of de-registration:	2011-08-08 00:00:00
Date de-registration is effective:	2011-07-01 00:00:00
Aniversary date:	2009-06-19 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.6
FRS latitude:	35.095129999999997
FRS longitude:	-119.01712000000001
FRS Description:	PLANT ENTRANCE (GENERAL)
FRS Method:	ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:

ER plan most recent review date:	2004-05-20 00:00:00
ER plan most recent employee training date:	2004-02-08 00:00:00
Local agency coordinating ER plan:	Fire Department
Telephone of the coordinating local agency:	6618582490
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	63688
Optional facility description:	Anhydrous Ammonia
Program level:	2
Record contains CBI data:	False

Process NAICS:

NAICS code description:	42491

Prevention Program 2:

Safety review date:	2003-10-01 00:00:00
Federal regulation comment:	Not reported
Major Hazard:	Toxic Release, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake, Tornado
Process Control:	Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	Revised safety procedures
Most recent hazard review/update:	2004-02-08 00:00:00
Most recent review of op. procedures:	2004-01-15 00:00:00
Most recent training progs review/update:	2003-08-28 00:00:00
Expected completion of review changes:	Not reported
Training:	On the job
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2004-01-15 00:00:00

BAKERSFIELD, CA 560 (Continued) **1011816209**

Most recent equipment inspection date: 2004-01-15 00:00:00
Equipment tested: Storage tank and plumbing
Most recent compliance audit date: 2002-11-15 00:00:00
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Record has CBI data: False
Date of most recent changes: 2004-01-05 00:00:00

Process Chemicals:
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 230000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: Not reported
Physical state: b
Analytical basic: DEGADIS from TFI
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Excess flow valve, Emergency shutdown

Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: b
Analytical basic: DEGADIS from TFI
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Facility ID: 55483
Name: BAKERSFIELD, CA 560
Address: 9355 COPUS ROAD

BAKERSFIELD, CA 560 (Continued) **1011816209**

Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
LEPC city:	Kern County OES
Facility decimal latitude:	35.094444
Facility decimal longitude:	-119.026389
Is facility in county box:	T
LatLong method:	I4
LatLong description:	CE
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	50365121
Parents name:	Crop Production Services
Partners name:	13130
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Crop Production Services
Operators telephone:	9703564400
Operators address:	7251 West 4th Street
Operators City,St,Zip:	Greeley, CO 80634
RMP implementation contact:	Chris Zucker
RMP contact title:	Purchasing Manager
Emergency contact:	Ron Medrano
Emergency contact title:	Application Manager
Emergency contact telephone:	6618582278
24 hour emergency telephone:	6617478694
Emergency contact ext/pin #:	Not reported
Number of full time employees:	40
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000060952
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2008-11-06 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	CPS-Bakersfield, CA 560 (Mettler)
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2010-05-10 00:00:00
Date of error Report:	Not reported
Date RMP received:	2009-06-24 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2009-06-19 00:00:00
Is RMP complete:	True
Date of de-registration:	2011-08-08 00:00:00

BAKERSFIELD, CA 560 (Continued) **1011816209**

Date de-registration is effective: 2011-07-01 00:00:00
Aniversary date: 2014-06-19 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.10.1
FRS latitude: 35.095129999999997
FRS longitude: -119.01712000000001
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:
ER plan most recent review date: 2008-10-13 00:00:00
ER plan most recent employee training date: 2008-10-13 00:00:00
Local agency coordinating ER plan: Fire Department
Telephone of the coordinating local agency: 6618582490
Federal regulation: True
OSHA 1910 120: True
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 80770
Optional facility description: Anhydrous Ammonia
Program level: 2
Record contains CBI data: False

Process NAICS:
NAICS code description: 42491

Prevention Program 2:
Safety review date: 2009-02-10 00:00:00
Federal regulation comment: Not reported
Major Hazard: Toxic Release, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake, Tornado
Process Control: Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Excess flow device
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: Reviewed safety procedures
Most recent hazard review/update: 2008-02-25 00:00:00
Most recent review of op. procedures: 2009-03-15 00:00:00
Most recent training progs review/update: 2009-01-09 00:00:00
Expected completion of review changes: Not reported
Training: Classroom, On the job
Competency testing: Written test, Oral test, Demonstration, Observation
Most recent maintenance review date: 2009-03-15 00:00:00
Most recent equipment inspection date: 2009-03-15 00:00:00
Equipment tested: Storage tank and plumbing
Most recent compliance audit date: 2009-02-01 00:00:00
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Record has CBI data: False
Date of most recent changes: 2009-02-10 00:00:00

BAKERSFIELD, CA 560 (Continued) **1011816209**

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	450000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	b
Analytical basic:	DEGADIS from TFI
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Excess flow valve, Emergency shutdown

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	DEGADIS from TFI
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Facility ID:	37343
Name:	BAKERSFIELD, CA 560
Address:	9355 COPUS ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
LEPC city:	Kern County OES
Facility decimal latitude:	35.094444
Facility decimal longitude:	-119.026389
Is facility in county box:	T
LatLong method:	I4
LatLong description:	CE
Home page web address:	Not reported

BAKERSFIELD, CA 560 (Continued) **1011816209**

Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	50365121
Parents name:	Western Farm Service, Inc.
Partners name:	1344
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Western Farm Service, Inc.
Operators telephone:	7654971931
Operators address:	PO Box 2300
Operators City,St,Zip:	West Lafayette, IN 47996
RMP implementation contact:	Russell Keegan
RMP contact title:	Branch Manager
Emergency contact:	Chris Zucker
Emergency contact title:	Purchasing Coordinator
Emergency contact telephone:	6618582278
24 hour emergency telephone:	6617465313
Emergency contact ext/pin #:	Not reported
Number of full time employees:	36
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000060952
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2004-01-06 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	WFS-Bakersfield, CA 560 (Mettler)
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2004-08-13 00:00:00
Date of error Report:	Not reported
Date RMP received:	2004-06-23 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2004-06-19 00:00:00
Is RMP complete:	True
Date of de-registration:	2011-08-08 00:00:00
Date de-registration is effective:	2011-07-01 00:00:00
Aniversary date:	2009-06-19 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.2
FRS latitude:	35.095129999999997
FRS longitude:	-119.01712000000001
FRS Description:	PLANT ENTRANCE (GENERAL)
FRS Method:	ADDRESS MATCHING-HOUSE NUMBER

BAKERSFIELD, CA 560 (Continued) **1011816209**

Emergency Responses:

ER plan most recent review date:	2004-05-20 00:00:00
ER plan most recent employee training date:	2004-02-08 00:00:00
Local agency coordinating ER plan:	Fire Department
Telephone of the coordinating local agency:	6618582490
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	53786
Optional facility description:	Anhydrous Ammonia
Program level:	2
Record contains CBI data:	False

Process NAICS:

NAICS code description:	42491

Prevention Program 2:

Safety review date:	2003-10-01 00:00:00
Federal regulation comment:	Not reported
Major Hazard:	Toxic Release, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake, Tornado
Process Control:	Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	Reviewed safety procedures
Most recent hazard review/update:	2004-02-08 00:00:00
Most recent review of op. procedures:	2004-01-15 00:00:00
Most recent training progs review/update:	2003-08-28 00:00:00
Expected completion of review changes:	Not reported
Training:	On the job
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2004-01-15 00:00:00
Most recent equipment inspection date:	2004-01-15 00:00:00
Equipment tested:	Storage tank and plumbing
Most recent compliance audit date:	2002-11-15 00:00:00
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	False
Date of most recent changes:	2004-01-05 00:00:00

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	230000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

BAKERSFIELD, CA 560 (Continued) **1011816209**

Percent weight of chemical:	Not reported
Physical state:	b
Analytical basic:	DEGADIS from TFI
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Excess flow valve, Emergency shutdown

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	b
Analytical basic:	DEGADIS from TFI
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

C18 **NUTRIEN AG SOLUTIONS** **CERS HAZ WASTE** **S121738577**
ESE **9355 COPUS RD** **CERS TANKS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CUPA Listings**
1.401 mi. **CERS**
7396 ft. **Site 12 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

CERS HAZ WASTE:

Name:	NUTRIEN AG SOLUTIONS
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	108641
CERS ID:	10190572
CERS Description:	Hazardous Chemical Management

Name:	NUTRIEN AG SOLUTIONS
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	108641
CERS ID:	10190572
CERS Description:	Hazardous Waste Generator

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

CERS TANKS:

Name:	NUTRIEN AG SOLUTIONS
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	108641
CERS ID:	10190572
CERS Description:	Aboveground Petroleum Storage

KERN CO CUPA:

Facility ID:	FA0000616
CERS ID:	10190572
Name:	NUTRIEN AG SOLUTIONS
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN LARGE HIGH RISK 2-5 UNITS
Program Element Code:	CB6A
HMIRRP Due Date:	12/31
Current Inspection Date:	02/01/2021
Employee:	SHAMOON
Mailing Address:	9355 COPUS RD
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93313

CERS:

Name:	NUTRIEN AG SOLUTIONS
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	108641
CERS ID:	10190572
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	03-13-2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/28/2017. During the course of the inspection, it was observed that the containment for the Diesel tank had a leak in it resulting in a small release to the ground. Please make sure all primary and secondary containment are leak free. Once the site has been cleaned and the containment has been determined to be leak free, please sign and return the last page of the report certifying compliance to saleenb@co.kern.ca.us. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	04-27-2018
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description:	Failure to prepare an appropriate SPCC Plan within 6 months when the facility no longer meets the qualified facility criteria.
Violation Notes:	Returned to compliance on 03/04/2019. THE TANK CONTAINERS WERE INCREASED FROM A CONTAINMENT OF 3000 GALLONS TO CONTAINERS THAT HOLD 6000 GALLONS IN EARLY 2017. THE SPCC PLAN IS CURRENTLY UNDER REVISION TO REFLECT THESE CHANGES. PLEASE COMPLETE SPCC PLAN TO MEET THE APPROPRIATE SPCC TIER.
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	04-27-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/20/2019. OBSERVED THAT THE LAST SUBMISSION OF THE HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) WAS DATED 03/31/2017. IT IS REQUIRED THAT THE HMBP IS REVIEWED AND CERTIFIED ON AN ANNUAL BASIS. PLEASE REVIEW, MAKE APPROPRIATE UPDATES IF NEEDED, AND CERTIFY THE HMBP.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	03-13-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 03/28/2017. During the course of the inspection, it was observed that multiple drums containing Used Oil/Filters did not have labels. Please appropriately label each drum containing waste and once complete, sign and return the last page of this report certifying compliance to saleenb@co.kern.ca.us. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	04-27-2018
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

	storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 05/27/2018. OBSERVED OPEN CONTAINER OF HAZARDOUS WASTE. PLEASE PROVIDE TRAINING TO EMPLOYEES AND SEND DOCUMENTATION OF CONDUCTED TRAINING TO THE UNIFIED PROGRAM AGENCY BY 05/27/2018.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	02-10-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/26/2015. Review all chemicals to insure that the maximum daily amount is accurate. Observed approx 1000 pounds of Rovral/Iprodione when CERS states a max of 720.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	03-13-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler’s operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 03/28/2017. The facilities hazardous material/waste inventory was not accurate. Please update/include the following items on the California Environmental Reporting System (CERS). 1.) Used Oil Filters - 600 pounds 2.) Sodium Nitrate
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	108641
Site Name:	Nutrien Ag Solutions
Violation Date:	03-13-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 03/28/2017. During the course of the inspection, it was observed that a approximately 30 gallon blue poly drum containing waste did not have top containment on it with waste

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

present in it. Please ensure that all containers are closed/sealed at all times when not in active use. Once complete, please sign and return the last page of this report certifying compliance to saleenb@co.kern.ca.us. This violation shall be corrected within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 108641
Site Name: Nutrien Ag Solutions
Violation Date: 04-27-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to label stationary hazardous waste tanks as "hazardous waste" and mark with an accumulation start date.
Violation Notes: Returned to compliance on 05/27/2018. OBSERVED HAZARDOUS WASTE TANKS WITHOUT PROPER ACCUMULATION START DATES. PLEASE PROVIDE TRAINING TO EMPLOYEES AND SEND DOCUMENTATION TO THE UNIFIED PROGRAM AGENCY BY 05/27/2018.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 108641
Site Name: Nutrien Ag Solutions
Violation Date: 02-10-2015
Citation: 19 CCR 4.5 2745.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.1(a)
Violation Description: Failure to submit an RMP which includes all requirements described in Section 2745.3 through 2745.5 and 2745.8 through 2745.9.
Violation Notes: Returned to compliance on 02/26/2015. All CalARP chemicals must be included in the RMP submittal.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 108641
Site Name: Nutrien Ag Solutions
Violation Date: 02-07-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 07/28/2014. Upload site maps showing, East Fertilizer Tank Farm, Chemical Tank Farm, West Fertilizer Tank Farm, and new storage.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 108641
Site Name: Nutrien Ag Solutions
Violation Date: 03-05-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

response plan and procedures for a release or threatened release of a hazardous material.

Violation Notes: Returned to compliance on 07/22/2019. THE 2019 CONTINGENCY PLAN DOES NOT CONTAIN SPECIFIC CONTACT INFORMATION FOR NOTIFICATION PURPOSES. PLEASE PROVIDE SPECIFIC CONTACT INFORMATION FOR THE SITE.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: During the inspection various secondary containments were full of water and spilled chemicals. Clean and remove all liquids and solids from the secondary containment. Secondary containment totes and sumps should be cleaned as quickly as possible after chemicals are released.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Be sure to mark no on remote consolidation site in CERS.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: It was observed that an eye wash station at the facility was out of water and unable to be used. Please ensure that all emergency equipment is properly working at all times.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

Eval Date: 04-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-06-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-27-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Enforcement Action:
Site ID: 108641
Site Name: Nutrien Ag Solutions
Site Address: 9355 COPUS RD

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	02-07-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Site Address:	9355 COPUS RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	02-10-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	CalARP
Enf Action Source:	CERS

Site ID:	108641
Site Name:	Nutrien Ag Solutions
Site Address:	9355 COPUS RD
Site City:	BAKERSFIELD
Site Zip:	93313
Enf Action Date:	02-10-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	108641
Facility Name:	Nutrien Ag Solutions
Env Int Type Code:	CalARP
Program ID:	10190572
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	35.094479
Longitude:	-119.023087

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	CHRIS ZUCKER
Entity Title:	OPERATIONS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

Affiliation Type Desc:	Document Preparer
Entity Name:	Chris Zucker
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	JERRY CONDREN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(559) 281-3515

Affiliation Type Desc:	Parent Corporation
Entity Name:	CROP PRODUCTION SERVICES, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jeff Regnell
Entity Title:	Not reported
Affiliation Address:	10934 E Florian Ave
Affiliation City:	Mesa
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85208
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Nutrien Ag Solutions
Entity Title:	Not reported
Affiliation Address:	3005 Rocky Mountain Ave
Affiliation City:	Loveland
Affiliation State:	CO
Affiliation Country:	United States

NUTRIEN AG SOLUTIONS (Continued) **S121738577**

Affiliation Zip:	80538
Affiliation Phone:	(661) 858-2278
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	9355 COPUS RD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Nutrien Ag Solutions
Entity Title:	Not reported
Affiliation Address:	3005 ROCKY MOUNTAIN AVE
Affiliation City:	LOVELAND
Affiliation State:	CO
Affiliation Country:	United States
Affiliation Zip:	80538
Affiliation Phone:	(970) 356-4400

C19 **BAYER CROPS SCIENCE INC** **HAZNET** **S112957576**
ESE **9355 COPUS RD** **PEST LIC** **N/A**
> 1 **BAKERSFIELD, CA 93313** **HWTS**
1.401 mi.
7396 ft. **Site 13 of 20 in cluster C**

Relative: Higher
Actual: 354 ft.

HAZNET:

Name:	BAYER CROPS SCIENCE INC
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
Contact:	CHRIS FOX/WAREHOUSE MGR
Telephone:	6618586202
Mailing Name:	Not reported
Mailing Address:	PO BOX 12014 2TW ALEXANDER DR
Year:	2007
Gepaid:	CAC002610352
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3825

Additional Info:

Year:	2007
Gen EPA ID:	CAC002610352
Shipment Date:	20070124
Creation Date:	8/9/2007 18:30:13
Receipt Date:	20070131
Manifest ID:	000047109VES

BAYER CROPS SCIENCE INC (Continued) **S112957576**

Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	P070
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3825
Waste Quantity:	765
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PEST LIC:

Name:	DANIEL D SCHULTZ
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Facility Type:	PCA
Categories:	E
License No:	139066
Issued or Renewed Date:	01/03/2020
Expiration Date:	12/31/2021

Name:	DANIEL D SCHULTZ
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Facility Type:	QAC
Categories:	O
License No:	131913
Issued or Renewed Date:	01/03/2020
Expiration Date:	12/31/2021

HWTS:

Name:	BAYER CROPS SCIENCE INC
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
EPA ID:	CAC002610352
Inactive Date:	05/08/2007
Create Date:	11/08/2006
Last Act Date:	06/21/2007
Mailing Name:	Not reported
Mailing Address:	PO BOX 12014 2TW ALEXANDER DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RESEARCH TRAINGLE, NC 27709
Owner Name:	BAYER CROPS SCIENCE INC
Owner Address:	PO BOX 12014 2TW ALEXANDER DR
Owner Address 2:	Not reported

BAYER CROPS SCIENCE INC (Continued) **S112957576**

Owner City,State,Zip:	RESEARCH TRAINGLE, NC 27709
Contact Name:	CHRIS FOX/WAREHOUSE MGR
Contact Address:	9355 COPUS RD
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313

C20 **ERNS** **92118704**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 14 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

Incident Commons:

NRC Report #:	118704
Description of Incident:	1000 GAL PORTABLE TANK/TRACTOR DRIVER USED INCORRECT TOWING PROCEDURE.
Type of Incident:	FIXED
Incident Cause:	OPERATOR ERROR
Incident Date Time:	1992-05-21 07:40:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	9355 COPUS RD
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	BAKERSFIELD
Location State:	CA
Location County:	KERN
Location Zip:	93313
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	Not reported

Incidents:

NRC Report #:	118704
Aircraft Type:	UNKNOWN
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	UNKNOWN

(Continued) **92118704**

Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	UNKNOWN
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	U
Pipeline Covered:	U
Railroad Hotline:	N
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	UNKNOWN
Type Vehicle Involved:	UNKNOWN
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	Y
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported

(Continued) **92118704**

Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	118704
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	Y
Number Injured:	1
Number Hospitalized:	Not reported
Any Fatalities:	U
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	Not reported
Medium Desc:	AIR
Additional Medium Info:	AIR
Body of Water:	Not reported
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	INVESTIGATING INCEDENT.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	Not reported
Wind Speed:	Not reported

(Continued) **92118704**

Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	N
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	WILL CALL CA OES.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	UNK

Calls:

NRC Report #:	118704
Site ID:	92118704
Date Time Received:	1992-05-21 17:13:03
Date Time Complete:	1992-05-21 17:19:31
Call Type:	INC
Responsible Company:	FRANK DELCAPA FARMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	UNAVAILABLE

Material Involved:

NRC Report #:	118704
Chris Code:	AMA
Case Number:	Not reported
UN Number:	Not reported
Amount of Material:	400

(Continued) **92118704**

Unit of Measure:	POUND(S)
Name of Material:	AMMONIA, ANHYDROUS
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	NONE

C21 **WESTERN FRAM SVC - METTLER** **SSTS** **1005439575**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 15 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

SSTS:

Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
City,State,Zip:	BAKERSFIELD 93313
Report Year:	2000
Registration Number:	011656CA 049

Pre 2016:

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	COTTON DEFOLIANT CONCENTRATE
Product Code:	1
EPA Product Registration Number:	01165600090
Product Type:	3
Product Classification:	08
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	ENZONE
Product Code:	1
EPA Product Registration Number:	06889100002
Product Type:	3
Product Classification:	06

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	EPTAM 7E
Product Code:	1
EPA Product Registration Number:	01018200220
Product Type:	3
Product Classification:	04
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE C OIL BULK
Product Code:	1
EPA Product Registration Number:	01165600095
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	1
EPA Product Registration Number:	01165600096
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	METAM SODIUM 42%, AMVAC
Product Code:	1
EPA Product Registration Number:	04572800016
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NARROW RANGE 415 OIL
Product Code:	1
EPA Product Registration Number:	03470400727
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	PROWL 3.3 EC
Product Code:	1
EPA Product Registration Number:	00024100337
Product Type:	3
Product Classification:	04
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42
Product Code:	1
EPA Product Registration Number:	06184200006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Name:	TELONE C-17
Product Code:	1
EPA Product Registration Number:	06271900012
Product Type:	3
Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	TELONE II
Product Code:	1
EPA Product Registration Number:	06271900032
Product Type:	3
Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL 42%
Product Code:	1
EPA Product Registration Number:	00548100468
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLCK SUPREME SPRAY OIL
Product Code:	1
EPA Product Registration Number:	05963900020
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Report Year:	Not reported
Registration Number:	011656CA 049

Report Year:	1997
Registration Number:	011656CA 049

Pre 2016:

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	AMVAC METAM SODIUM
Product Code:	1
EPA Product Registration Number:	00548100423
Product Type:	2
Product Classification:	30
Product Use:	6
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	COTTON DEFOLIANT CONCENTRATE
Product Code:	1
EPA Product Registration Number:	01165600090
Product Type:	2
Product Classification:	30
Product Use:	8
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	ENZONE
Product Code:	1
EPA Product Registration Number:	06889100002
Product Type:	2
Product Classification:	30
Product Use:	6
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	EPTAM 7E
Product Code:	1
EPA Product Registration Number:	01018200220
Product Type:	2
Product Classification:	30
Product Use:	4
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE C OIL
Product Code:	1
EPA Product Registration Number:	01165600096
Product Type:	2
Product Classification:	30
Product Use:	1
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON-42
Product Code:	1
EPA Product Registration Number:	05225100043
Product Type:	2
Product Classification:	30
Product Use:	6
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SODIUM CHLORATE #3

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Code:	1
EPA Product Registration Number:	00700100335
Product Type:	2
Product Classification:	20
Product Use:	8
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	UCB METAM SODIUM
Product Code:	1
EPA Product Registration Number:	04572800016
Product Type:	2
Product Classification:	30
Product Use:	6
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLK SUPREME OIL
Product Code:	1
EPA Product Registration Number:	05963900020
Product Type:	2
Product Classification:	30
Product Use:	1
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Report Year:	2002

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Registration Number: 011656CA049

Pre 2016:
Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: FIRST CHOICE COTTON DEFOLIANT CONCENTRATE
Product Code: 1
EPA Product Registration Number: 01165600090
Product Type: 3
Product Classification: 08
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: GAVICIDE SUPER 90 OIL
Product Code: 1
EPA Product Registration Number: 01165600096
Product Type: 3
Product Classification: 01
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: NARROW RANGE 415 SPRAY OIL

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Code:	1
EPA Product Registration Number:	01165600097
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED)
Product Code:	1
EPA Product Registration Number:	06184200006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	TELONE C-17 (RUP)
Product Code:	1
EPA Product Registration Number:	06271900012
Product Type:	3
Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	TELONE II (RUP)
Product Code:	1
EPA Product Registration Number:	06271900032
Product Type:	3
Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL 42% (UNCLASSIFIED)
Product Code:	1
EPA Product Registration Number:	00548100468
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLCK SUPREME SPRAY OIL
Product Code:	1
EPA Product Registration Number:	05963900020
Product Type:	3
Product Classification:	01

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Report Year:	2003
Registration Number:	011656CA049

Pre 2016:

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE COTTON DEFOLIANT CONCENTRATE
Product Code:	1
EPA Product Registration Number:	01165600090
Product Type:	3
Product Classification:	08
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE NARROW RANGE 415 SPRAY OIL
Product Code:	1
EPA Product Registration Number:	01165600097
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	1
EPA Product Registration Number:	01165600096
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED)
Product Code:	1
EPA Product Registration Number:	06184200006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLCK SUPREME SPRAY OIL
Product Code:	1
EPA Product Registration Number:	05963900020
Product Type:	3
Product Classification:	01

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: EPTAM 7E
Product Code: 1
EPA Product Registration Number: 00010001025
Product Type: 3
Product Classification: 04
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09
Zero Production: Not reported
RUP: Not reported

Report Year: 2005
Registration Number: 011656CA049

Pre 2016:
Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: GRAMOXONE MAX (PARAQUAT, RUP)
Product Code: 0
EPA Product Registration Number: 00010001074
Product Type: 3
Product Classification: 04
Product Use: 1
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	K-PAM (FUNGICIDE-NEMATOCIDE-UNCLASSIFIED)(METAM K)
Product Code:	0
EPA Product Registration Number:	00548100483
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED) (METAM SODIUM)
Product Code:	0
EPA Product Registration Number:	06184200006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLCK SUPREME SPRAY OIL
Product Code:	0
EPA Product Registration Number:	05963900020
Product Type:	3
Product Classification:	01

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE NARROW RANGE 415 SPRAY OIL
Product Code:	0
EPA Product Registration Number:	01165600097
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	0
EPA Product Registration Number:	01165600096
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE-C SPRAY OIL
Product Code:	0
EPA Product Registration Number:	01165600095
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Report Year:	1996
Registration Number:	011656CA 049

Pre 2016:

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE C OIL
Product Code:	1
EPA Product Registration Number:	01165600096
Product Type:	2
Product Classification:	30
Product Use:	1
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	METAM 42%
Product Code:	1
EPA Product Registration Number:	04572800016
Product Type:	1
Product Classification:	30

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use:	6
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL 42%
Product Code:	1
EPA Product Registration Number:	01018200392
Product Type:	1
Product Classification:	30
Product Use:	6
Market Type:	1
Product Unit of Measure:	G
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Report Year:	2004
Registration Number:	011656CA049

Pre 2016:

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE COTTON DEFOLIANT CONCENTRATE
Product Code:	0
EPA Product Registration Number:	101165600090
Product Type:	3
Product Classification:	08
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE NARROW RANGE 415 SPRAY OIL
Product Code:	0
EPA Product Registration Number:	101165600097
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	0
EPA Product Registration Number:	101165600096
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	K-PAM (FUNGICIDE-NEMATOCIDE-UNCLASSIFIED)
Product Code:	0
EPA Product Registration Number:	100548100483
Product Type:	3
Product Classification:	06

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED)
Product Code:	0
EPA Product Registration Number:	106184200006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLCK SUPREME SPRAY OIL
Product Code:	0
EPA Product Registration Number:	105963900020
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Report Year:	2006
Registration Number:	011656-CA-049

Pre 2016:

Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	COTTON DEFOLIANT
Product Code:	Not reported
EPA Product Registration Number:	011656-00090
Product Type:	REPACKAGED OR RELABELED
Product Classification:	DEFOLIANT, DESICCANT
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE NARROW RANGE 415 SPRAY OIL
Product Code:	Not reported
EPA Product Registration Number:	011656-00097
Product Type:	REPACKAGED OR RELABELED
Product Classification:	INSECTICIDE-FUNGICIDE
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	Not reported
EPA Product Registration Number:	011656-00096
Product Type:	REPACKAGED OR RELABELED
Product Classification:	INSECTICIDE-FUNGICIDE

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GRAMOXONE MAX (PARAQUAT, RUP)
Product Code:	Not reported
EPA Product Registration Number:	000100-01074
Product Type:	REPACKAGED OR RELABELED
Product Classification:	HERBICIDE
Product Use:	RESTRICTED USE ONLY
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GRAMOZONE INTEON (RUP)
Product Code:	Not reported
EPA Product Registration Number:	000100-01217
Product Type:	REPACKAGED OR RELABELED
Product Classification:	HERBICIDE
Product Use:	RESTRICTED USE ONLY
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	K-PAM HL (FUNGICIDE-NEMATOCIDE-HERBICIDE)(MET
Product Code:	Not reported
EPA Product Registration Number:	005481-00483
Product Type:	REPACKAGED OR RELABELED
Product Classification:	HERBICIDE
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED) (METAM SODIUM)
Product Code:	Not reported
EPA Product Registration Number:	061842-00006
Product Type:	REPACKAGED OR RELABELED
Product Classification:	HERBICIDE-FUNGICIDE
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656-CA-049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL (FUNGICIDE-NEMATOCIDE-HERBICIDE)
Product Code:	Not reported
EPA Product Registration Number:	005481-00468
Product Type:	REPACKAGED OR RELABELED
Product Classification:	HERBICIDE
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Zero Production: Not reported
RUP: Not reported

Report Year: 1999
Registration Number: 011656CA 049

Pre 2016:
Registration Number: 011656CA 049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: VAPAM HL 42%
Product Code: 1
EPA Product Registration Number: 00548100468
Product Type: 3
Product Classification: 06
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA 049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: COTTON DEFOLIANT CONCENTRATE
Product Code: 1
EPA Product Registration Number: 01165600090
Product Type: 3
Product Classification: 08
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA 049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	ENZONE
Product Code:	1
EPA Product Registration Number:	06889100002
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	EPTAM 7E
Product Code:	1
EPA Product Registration Number:	01018200220
Product Type:	3
Product Classification:	04
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	1
EPA Product Registration Number:	01165600096
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	METAM SODIUM 42%, AMVAC
Product Code:	1
EPA Product Registration Number:	04572800016
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NARROW RANGE 415 OIL
Product Code:	1
EPA Product Registration Number:	03470400727
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Name:	PROWL 3.3 EC
Product Code:	1
EPA Product Registration Number:	00024100337
Product Type:	3
Product Classification:	04
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42%
Product Code:	1
EPA Product Registration Number:	07016600006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA 049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	TELONE II
Product Code:	1
EPA Product Registration Number:	06271900032
Product Type:	3
Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Report Year: 2001
Registration Number: 011656CA049

Pre 2016:
Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: FIRST CHOICE COTTON DEFOLIANT CONCENTRATE
Product Code: 1
EPA Product Registration Number: 01165600090
Product Type: 3
Product Classification: 08
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: GAVICIDE C OIL BULK
Product Code: 1
EPA Product Registration Number: 01165600095
Product Type: 3
Product Classification: 01
Product Use: 2
Market Type: 1
Product Unit of Measure: Not reported
Region: 09
Zero Production: Not reported
RUP: Not reported

Registration Number: 011656CA049
Name: WESTERN FRAM SVC - METTLER
Address: 9355 COPUS RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	1
EPA Product Registration Number:	01165600096
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	K-PAM
Product Code:	1
EPA Product Registration Number:	00548100483
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NARROW RANGE 415 OIL
Product Code:	1
EPA Product Registration Number:	03470400727
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED)
Product Code:	1
EPA Product Registration Number:	06184200006
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	TELONE C-17 (RUP)
Product Code:	1
EPA Product Registration Number:	06271900012
Product Type:	3
Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	TELONE II (RUP)
Product Code:	1
EPA Product Registration Number:	06271900032
Product Type:	3

WESTERN FRAM SVC - METTLER (Continued) **1005439575**

Product Classification:	06
Product Use:	1
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL 42% (UNCLASSIFIED)
Product Code:	1
EPA Product Registration Number:	00548100468
Product Type:	3
Product Classification:	06
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	011656CA049
Name:	WESTERN FRAM SVC - METTLER
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VOLCK SUPREME SPRAY OIL
Product Code:	1
EPA Product Registration Number:	05963900020
Product Type:	3
Product Classification:	01
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

C22 **NUTRIEN AG SOLUTIONS** **EMI** **S113085435**
ESE **9355 COPUS RD** **HAZNET** **N/A**
> 1 **METTLER, CA 93313** **HWTS**
1.401 mi.
7396 ft. **Site 16 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

EMI:

Name:	CROP PRODUCTION SERVICES INC
Address:	9355 COPUS RD
City,State,Zip:	METTLER, CA 93313
Year:	2017
County Code:	15
Air Basin:	SJV
Facility ID:	3272
Air District Name:	SJU
SIC Code:	5191
Air District Name:	SAN JOAQUIN VALLEY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.05722255
Reactive Organic Gases Tons/Yr:	0.05722255
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

Name:	NUTRIEN AG SOLUTIONS
Address:	9355 COPUS RD
Address 2:	Not reported
City,State,Zip:	METTLER, CA 805380000
Contact:	MARIA BUJENOVIC
Telephone:	9706853308
Mailing Name:	Not reported
Mailing Address:	5296 HARVEST LAKE DRIVE
Year:	2019
Gepaid:	CAL000160219
TSD EPA ID:	CAD008252405
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.10000
Year:	2018
Gepaid:	CAL000160219
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	12.37200
Year:	2016
Gepaid:	CAL000160219
TSD EPA ID:	NVD980895338
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1005

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

Year:	2016
Gepaid:	CAL000160219
TSD EPA ID:	NED981723513
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.07
Year:	2011
Gepaid:	CAL000160219
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.5
Year:	2011
Gepaid:	CAL000160219
TSD EPA ID:	CAD008364432
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	8.085
Year:	2010
Gepaid:	CAL000160219
TSD EPA ID:	TXD077603371
CA Waste Code:	252 - Other still bottom waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.005
Year:	2010
Gepaid:	CAL000160219
TSD EPA ID:	TXD077603371
CA Waste Code:	-
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0375
Year:	2009
Gepaid:	CAL000160219
TSD EPA ID:	TXD077603371
CA Waste Code:	252 - Other still bottom waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.05
Year:	2009
Gepaid:	CAL000160219
TSD EPA ID:	TXD077603371
CA Waste Code:	-
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET: record(s) in the EDR Site Report.

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

Additional Info:

Year:	1997
Gen EPA ID:	CAL000160219
Shipment Date:	19971113
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971114
Manifest ID:	96784954
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000160219
Shipment Date:	20031217
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040106
Manifest ID:	22491338
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

Additional Info:

Year:	2009
Gen EPA ID:	CAL000160219
Shipment Date:	20090827
Creation Date:	3/5/2010 18:30:38
Receipt Date:	20090908
Manifest ID:	001081369SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	252 - Oher still bottom waste 261 Polychlorinated biphenyls and material containing PCBs
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090219
Creation Date:	7/2/2009 18:30:42
Receipt Date:	20090309
Manifest ID:	000134924SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000160219

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

Shipment Date:	20021213
Creation Date:	5/6/2003 18:31:20
Receipt Date:	20021219
Manifest ID:	21550205
Trans EPA ID:	CAR000051169
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	NVT330010000
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000160219
Shipment Date:	20101221
Creation Date:	5/24/2011 18:30:28
Receipt Date:	20110110
Manifest ID:	002359202SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	252 - Oher still bottom waste 261 Polychlorinated biphenyls and material containing PCBs
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100602
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100615
Manifest ID:	002360120SKS

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST & SON
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D006
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000160219
Shipment Date:	20110719
Creation Date:	9/1/2011 18:31:36
Receipt Date:	20110719
Manifest ID:	000123653MWI
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.085
Waste Quantity:	1925
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110719
Creation Date:	9/1/2011 18:31:36
Receipt Date:	20110719
Manifest ID:	000123653MWI
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000160219
Shipment Date:	20040421
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040429
Manifest ID:	22491495
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000160219
Shipment Date:	19990630
Creation Date:	9/1/1999 0:00:00
Receipt Date:	19990702
Manifest ID:	99230463
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

Trans 2 Name: Not reported
TSDF EPA ID: CAD093459485
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: T01 - Treatment, Tank
Quantity Tons: 0.0672
Waste Quantity: 16
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: NUTRIEN AG SOLUTIONS
Address: 9355 COPUS RD
Address 2: Not reported
City,State,Zip: METTLER, CA 933130000
EPA ID: CAL000160219
Inactive Date: Not reported
Create Date: 03/22/1996
Last Act Date: 07/20/2020
Mailing Name: Not reported
Mailing Address: 10934 E FLORIAN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: MESA, AZ 852080000
Owner Name: NUTRIEN AG SOLUTIONS
Owner Address: 3005 ROCKY MOUNTAIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: LOVELAND, CO 805380000
Contact Name: JEFF REGNELL
Contact Address: 10934 E FLORIAN AVE
Contact Address 2: Not reported
City,State,Zip: MESA, AZ 85208

NAICS:
EPA ID: CAL000160219
Create Date: 2002-03-14 16:36:28.000
NAICS Code: 4229
NAICS Description: Miscellaneous Nondurable Goods Wholesalers
Issued EPA ID Date: 1996-03-22 00:00:00
Inactive Date: Not reported
Facility Name: NUTRIEN AG SOLUTIONS
Facility Address: 9355 COPUS RD
Facility Address 2: Not reported
Facility City: METTLER
Facility County: Not reported
Facility State: CA
Facility Zip: 933130000

EPA ID: CAL000160219
Create Date: 2005-09-30 11:02:31.607
NAICS Code: 42291

NUTRIEN AG SOLUTIONS (Continued) **S113085435**

NAICS Description:	Farm Supplies Wholesalers
Issued EPA ID Date:	1996-03-22 00:00:00
Inactive Date:	Not reported
Facility Name:	NUTRIEN AG SOLUTIONS
Facility Address:	9355 COPUS RD
Facility Address 2:	Not reported
Facility City:	METTLER
Facility County:	Not reported
Facility State:	CA
Facility Zip:	933130000

EPA ID:	CAL000160219
Create Date:	2003-10-23 15:27:19.000
NAICS Code:	44422
NAICS Description:	Nursery and Garden Centers
Issued EPA ID Date:	1996-03-22 00:00:00
Inactive Date:	Not reported
Facility Name:	NUTRIEN AG SOLUTIONS
Facility Address:	9355 COPUS RD
Facility Address 2:	Not reported
Facility City:	METTLER
Facility County:	Not reported
Facility State:	CA
Facility Zip:	933130000

C23 **CROP PRODUCTION SERVICES INC** **FINDS** **1016292971**
ESE **9355 COPUS RD** **ECHO** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 17 of 20 in cluster C**

Relative: **Higher**

Actual: **354 ft.**

FINDS:
Registry ID: 110011647227

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CROP PRODUCTION SERVICES INC (Continued) **1016292971**

ECHO:
- Envid: 1016292971
- Registry ID: 110011647227
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110011647227
- Name: CROP PRODUCTION SERVICES INC
- Address: 9355 COPUS RD
- City,State,Zip: BAKERSFIELD, CA 93313

C24 **WESTERN FARM SVC (INACTIVE 12-31-08)** **SSTS** **1012197314**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 18 of 20 in cluster C**

Relative: Higher
Actual: 354 ft.

SSTS:
- Name: WESTERN FARM SVC (INACTIVE 12-31-08)
- Address: 9355 COPUS RD
- City,State,Zip: BAKERSFIELD, CA 93313
- Report Year: 2008
- Registration Number: 011656-CA-049

Pre 2016:
- Registration Number: 011656-CA-049
- Name: WESTERN FARM SVC (INACTIVE 12-31-08)
- Address: 9355 COPUS RD
- Address 2: Not reported
- Country Code: Not reported
- Country: Not reported
- Contact Name: RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
- Contact Title: Not reported
- Contact Telephone: Not reported
- Contact Email: Not reported
- Product Name: LEAF LIFE GAVICIDE GREEN 415
- Product Code: Not reported
- EPA Product Registration Number: 11656-101
- Product Type: 3
- Product Classification: 43
- Product Use: Not reported
- Market Type: 1
- Product Unit of Measure: Not reported
- Region: 9
- Zero Production: No
- RUP: 2

- Registration Number: 011656-CA-049
- Name: WESTERN FARM SVC (INACTIVE 12-31-08)
- Address: 9355 COPUS RD
- Address 2: Not reported
- Country Code: Not reported
- Country: Not reported
- Contact Name: RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
- Contact Title: Not reported
- Contact Telephone: Not reported
- Contact Email: Not reported
- Product Name: PROWL H2O HERBICIDE
- Product Code: Not reported
- EPA Product Registration Number: 241-418
- Product Type: 3

WESTERN FARM SVC (INACTIVE 12-31-08) (Continued) **1012197314**

Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	ROUNDUP ORIGINAL MAX
Product Code:	Not reported
EPA Product Registration Number:	524-539
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	ROUNDUP POWERMAX HERBICIDE
Product Code:	Not reported
EPA Product Registration Number:	524-549
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported

WESTERN FARM SVC (INACTIVE 12-31-08) (Continued) **1012197314**

Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON 42 (UNCLASSIFIED) (METAM SODIUM)
Product Code:	Not reported
EPA Product Registration Number:	61842-6
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SECTAGON K-54
Product Code:	Not reported
EPA Product Registration Number:	61842-7
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	VAPAM HL (FUNGICIDE-NEMATOCIDE-HERBICIDE)
Product Code:	Not reported
EPA Product Registration Number:	5481-468
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported

WESTERN FARM SVC (INACTIVE 12-31-08) (Continued) **1012197314**

Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	COTTON DEFOLIANT
Product Code:	Not reported
EPA Product Registration Number:	11656-90
Product Type:	3
Product Classification:	36
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	FIRST CHOICE NARROW RANGE 415 SPRAY OIL
Product Code:	Not reported
EPA Product Registration Number:	11656-97
Product Type:	3
Product Classification:	43
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported

WESTERN FARM SVC (INACTIVE 12-31-08) (Continued) **1012197314**

Contact Email:	Not reported
Product Name:	GAVICIDE SUPER 90 OIL
Product Code:	Not reported
EPA Product Registration Number:	11656-96
Product Type:	3
Product Classification:	43
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2
Registration Number:	011656-CA-049
Name:	WESTERN FARM SVC (INACTIVE 12-31-08)
Address:	9355 COPUS RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	RUSS KEEGAN/661-858-2278/ CHARLES SKIENFIELD/SAFETY P: 661-858-2278
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	GRAMOZONE INTEON (RUP)
Product Code:	Not reported
EPA Product Registration Number:	100-1217
Product Type:	3
Product Classification:	34
Product Use:	Not reported
Market Type:	1
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	1

C25 **CPS - BAKERSFIELD, CA (COPUS RD)** **FINDS** **1017363723**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 19 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

FINDS:
Registry ID: 110056907851

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C26 **ALFONSO P BARAJAS** **PEST LIC** **S117632595**
ESE **9355 COPUS RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.401 mi.
7396 ft. **Site 20 of 20 in cluster C**

Relative:
Higher

Actual:
354 ft.

PEST LIC:
Name: ALFONSO P BARAJAS
Address: 9355 COPUS RD
City,State,Zip: BAKERSFIELD, CA 93313
Facility Type: QAC
Categories: O
License No: 125360
Issued or Renewed Date: 01/01/2021
Expiration Date: 12/31/2022

D27 **PRD COTTON OIL CO MARICOPA GIN** **FINDS** **1016988912**
WSW **12112 COPUS ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.802 mi.
9517 ft. **Site 1 of 4 in cluster D**

Relative:
Higher

Actual:
334 ft.

FINDS:
Registry ID: 110013832567

Click Here:

Environmental Interest/Information System:
HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D28 **SKYDIVE SAN JOAQUIN VALLEY** **CERS TANKS** **S121674484**
WSW **12112 COPUS RD** **CUPA Listings** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CIWQS**
1.802 mi. **CERS**
9517 ft. **Site 2 of 4 in cluster D**

Relative:
Higher

Actual:
334 ft.

CERS TANKS:
Name: SKYDIVE SAN JOAQUIN VALLEY
Address: 12112 COPUS RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 436901
CERS ID: 10761439
CERS Description: Aboveground Petroleum Storage

KERN CO CUPA:
Facility ID: FA0048601
CERS ID: 10761439
Name: SKYDIVE SAN JOAQUIN VALLEY
Address: 12112 COPUS RD
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: Not reported
Current Inspection Date: 09/01/2023

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Employee:	Elfstrom
Mailing Address:	12112 Copus RD
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93313

CIWQS:

Name:	SKYDIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Agency:	Skydive San Joaquin Valley
Agency Address:	11858 Copus Road, Bakersfield, CA 93313
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	5F
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	5F15C357168
NPDES Number:	CAS000002
Adoption Date:	01/01/1900
Effective Date:	01/21/2010
Termination Date:	12/19/2011
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

CERS:

Name:	SKYDIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	436901
CERS ID:	10761439
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	436901
Site Name:	Skydive San Joaquin Valley
Violation Date:	09-29-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Please complete the annual Hazardous Material Business Plan Submittal. The Facility Information, Hazardous Materials Information, and Emergency Response and Training Plans is required to be submitted every year by Month, Year. Please make all corrections and resubmit within 30 days. Lana Elfstrom 661-862-8754 elfstroml@kerncounty.com

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-29-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 436901
Facility Name: Skydive San Joaquin Valley
Env Int Type Code: APSA
Program ID: 10761439
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.094820
Longitude: -119.078610

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Legal Owner
Entity Name: GEORGE KUNZ
Entity Title: Not reported

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(323) 632-6781
Affiliation Type Desc:	Parent Corporation
Entity Name:	Skydive San Joaquin Valley
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	George Kunz
Entity Title:	Not reported
Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 858-2972
Affiliation Type Desc:	Document Preparer
Entity Name:	Robin Siepel
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	GEORGE KUNZ
Entity Title:	Not reported
Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11858 Copus Road
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported

SKYDIVE SAN JOAQUIN VALLEY (Continued) **S121674484**

Affiliation Type Desc:	Identification Signer
Entity Name:	George Kunz
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	GEORGE KUNZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 632-6781

D29 **ANDERSON CLAYTON-MARICOPA GIN** **EMI** **S105939162**
WSW **12112 COPUS ROAD** **N/A**
> 1 **BAKERSFIELD, CA**
1.802 mi.
9517 ft. **Site 3 of 4 in cluster D**

Relative:
Higher

Actual:
334 ft.

EMI:

Name:	A/C MARICOPA
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1995
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTION-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1996
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD

ANDERSON CLAYTON-MARICOPA GIN (Continued) **S105939162**

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

Name:	ANDERSON CLAYTION-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1997
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTON-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1998
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ANDERSON CLAYTON-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	1999
County Code:	15
Air Basin:	SJV
Facility ID:	1354

ANDERSON CLAYTON-MARICOPA GIN (Continued) **S105939162**

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

Name:	ANDERSON CLAYTON-MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA
Year:	2000
County Code:	15
Air Basin:	SJV
Facility ID:	1354
Air District Name:	SJU
SIC Code:	724
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

D30 **SKY DIVE SAN JOAQUIN VALLEY** **HAZNET** **S112972836**
WSW **12112 COPUS RD** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **HWTS**
1.802 mi.
9517 ft. **Site 4 of 4 in cluster D**

Relative: **Higher**
Actual: **334 ft.**

HAZNET:

Name:	SKY DIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
Contact:	GEORGE KUNZ
Telephone:	6618582972
Mailing Name:	Not reported
Mailing Address:	11858 COPUS RD
Year:	2008
Gepaid:	CAC002634415
TSD EPA ID:	CAL000190080
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.6

SKY DIVE SAN JOAQUIN VALLEY (Continued) **S112972836**

Additional Info:

Year:	2008
Gen EPA ID:	CAC002634415
Shipment Date:	20081021
Creation Date:	12/22/2008 18:30:21
Receipt Date:	20081025
Manifest ID:	000388996GBF
Trans EPA ID:	CAT982507154
Trans Name:	PARC ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000190080
Trans Name:	FORWARD INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.6
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	PRD COTTON OIL CO MARICOPA GIN
Address:	12112 COPUS ROAD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	487888
CERS ID:	110013832567
CERS Description:	US EPA Air Emission Inventory System (EIS)

HWTS:

Name:	SKY DIVE SAN JOAQUIN VALLEY
Address:	12112 COPUS RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
EPA ID:	CAC002634415
Inactive Date:	03/05/2009
Create Date:	09/05/2008
Last Act Date:	03/12/2009
Mailing Name:	Not reported
Mailing Address:	11858 COPUS RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933139659
Owner Name:	SKY DIVE SAN JOAQUIN VALLEY
Owner Address:	11858 COPUS RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 933139659
Contact Name:	GEORGE KUNZ
Contact Address:	11858 COPUS RD

SKY DIVE SAN JOAQUIN VALLEY (Continued) **S112972836**

Contact Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 933139659

E31 **WEST COAST GRAPE FARMING INC** **FINDS** **1024689526**
South **10901 VALPREDO RD** **ECHO** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.828 mi.
9654 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
367 ft.

FINDS:
Registry ID: 110070477920

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024689526
Registry ID: 110070477920
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070477920
Name: WEST COAST GRAPE FARMING INC
Address: 10901 VALPREDO RD
City,State,Zip: BAKERSFIELD, CA 93313

E32 **WEST COAST GRAPE FARMING INC** **RCRA NonGen / NLR** **1024826600**
South **10901 VALPREDO RD** **CAL000354583**
> 1 **BAKERSFIELD, CA 93313**
1.828 mi.
9654 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
367 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2010-07-12 00:00:00.0
Handler Name: WEST COAST GRAPE FARMING INC
Handler Address: 10901 VALPREDO RD
Handler City,State,Zip: BAKERSFIELD, CA 93313
EPA ID: CAL000354583
Contact Name: JUAN CALDERON
Contact Address: 6342 BYSTRUM RD
Contact City,State,Zip: CERES, CA 95307
Contact Telephone: 209-232-0878
Contact Fax: Not reported
Contact Email: JUAN.CALDERON@WCGFI.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

WEST COAST GRAPE FARMING INC (Continued) **1024826600**

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	6342 BYSTRUM RD
Mailing City,State,Zip:	CERES, CA 95307
Owner Name:	WEST COAST GRAPE FARMING INC
Owner Type:	Other
Operator Name:	JUAN CALDERON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

WEST COAST GRAPE FARMING INC (Continued) **1024826600**

Handler Date of Last Change:	2018-09-05 20:32:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WEST COAST GRAPE FARMING INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6342 BYSTRUM RD
Owner/Operator City,State,Zip:	CERES, CA 95307
Owner/Operator Telephone:	209-272-3000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JUAN CALDERON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6342 BYSTRUM RD
Owner/Operator City,State,Zip:	CERES, CA 95307
Owner/Operator Telephone:	209-232-0878
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-07-12 00:00:00.0
Handler Name:	WEST COAST GRAPE FARMING INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	111332
NAICS Description:	GRAPE VINEYARDS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

WEST COAST GRAPE FARMING INC (Continued) **1024826600**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F33 **WHEELER FARMS** **UST** **U004248754**
NE **8329 SANDRINI RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.921 mi.
10144 ft. **Site 1 of 5 in cluster F**

Relative: KERN CO. UST:
Lower
Actual: Name: WHEELER FARMS
301 ft. Address: 8329 SANDRINI RD
City: BAKERSFIELD
Region: Kern
Facility ID: FA0000704
CERSID: 10231507
Owner Id: Not reported
Owner Name: Not reported

Tank Num: Not reported
Tank Capacity: 750
Common Name: Not reported
Description: DIESEL
Number of Compartments: 1
Install Date: 01/01/1970
Date of Closure: 08/19/2009
Billing Status: Inactive, non-billable
Mailing Address: 4813 CALLOWAY DRIVE
Mailing Address (care of): JAY REYNA
Mailing City/State/Zip: BAKERSFIELD, CA 93313

Tank Num: Not reported
Tank Capacity: 7,500
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: 1
Install Date: 01/01/1970
Date of Closure: 08/19/2009
Billing Status: Inactive, non-billable
Mailing Address: 4813 CALLOWAY DRIVE
Mailing Address (care of): JAY REYNA
Mailing City/State/Zip: BAKERSFIELD, CA 93313

F34 **WHEELER FARMS** **RCRA NonGen / NLR** **1024792920**
NE **8329 SANDRINI RD** **CAL000127897**
> 1 **BAKERSFIELD, CA 93313**
1.921 mi.
10144 ft. **Site 2 of 5 in cluster F**

Relative: RCRA NonGen / NLR:
Lower
Date Form Received by Agency: 1995-03-28 00:00:00.0
Actual: Handler Name: WHEELER FARMS
301 ft. Handler Address: 8329 SANDRINI RD
Handler City,State,Zip: BAKERSFIELD, CA 93313-9647

WHEELER FARMS (Continued) **1024792920**

EPA ID:	CAL000127897
Contact Name:	JAY REYNA
Contact Address:	4813 CALLOWAY DR
Contact City,State,Zip:	BAKERSFIELD, CA 93312
Contact Telephone:	661-410-1400
Contact Fax:	661-410-1401
Contact Email:	JREYNA@BIDARTBROS.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4813 CALLOWAY DR
Mailing City,State,Zip:	BAKERSFIELD, CA 93312-0000
Owner Name:	BIDART BROTHERS
Owner Type:	Other
Operator Name:	JAY REYNA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

WHEELER FARMS (Continued) **1024792920**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:42:54.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BIDART BROTHERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4813 CALLOWAY DR
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93312-0000
Owner/Operator Telephone:	661-410-1400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAY REYNA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4813 CALLOWAY DR
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93312
Owner/Operator Telephone:	661-410-1400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1995-03-28 00:00:00.0
Handler Name: WHEELER FARMS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

WHEELER FARMS (Continued) **1024792920**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F35 **ADOBE CAMP** **AST** **A100340019**
NE **8329 SANDRINI** **N/A**
> 1 **METTLER, CA**
1.921 mi.
10144 ft. **Site 3 of 5 in cluster F**

Relative: **Lower**
Actual: **301 ft.**

AST:
Name: ADOBE CAMP
Address: 8329 SANDRINI
City/Zip: METTLER,
Certified Unified Program Agencies: Kern
Owner: WHEELER FARMS
Total Gallons: 8,370
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

F36
NE
> 1
1.921 mi.
10144 ft.

WHEELER FARMS
8329 SANDRINI RD
BAKERSFIELD, CA 93313

Site 4 of 5 in cluster F

FINDS **1023253468**
ECHO **N/A**

Relative:
Lower

Actual:
301 ft.

FINDS:
Registry ID: 110065423072

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1023253468
Registry ID: 110065423072
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110065423072
Name: WHEELER FARMS
Address: 8329 SANDRINI RD
City,State,Zip: BAKERSFIELD, CA 93313

F37
NE
> 1
1.921 mi.
10144 ft.

WHEELER FARMS
8329 SANDRINI RD
BAKERSFIELD, CA 93313

Site 5 of 5 in cluster F

CERS HAZ WASTE **S113072467**
CERS TANKS **N/A**
HAZNET
CERS
HWTS

Relative:
Lower

Actual:
301 ft.

CERS HAZ WASTE:
Name: WHEELER FARMS
Address: 8329 SANDRINI RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 407684
CERS ID: 10231507
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: WHEELER FARMS
Address: 8329 SANDRINI RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 407684
CERS ID: 10231507
CERS Description: Aboveground Petroleum Storage

HAZNET:
Name: WHEELER FARMS
Address: 8329 SANDRINI RD
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 933120000
Contact: JAY REYNA
Telephone: 6614101400

WHEELER FARMS (Continued) **S113072467**

Mailing Name:	Not reported
Mailing Address:	4813 CALLOWAY DR
Year:	2018
Gepaid:	CAL000127897
TSD EPA ID:	CAL000282598
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00500
Year:	2009
Gepaid:	CAL000127897
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.0425
Year:	2007
Gepaid:	CAL000127897
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45

Additional Info:

Year:	2007
Gen EPA ID:	CAL000127897
Shipment Date:	20071120
Creation Date:	2/29/2008 18:30:45
Receipt Date:	20071129
Manifest ID:	003004499JJK
Trans EPA ID:	CAL000268462
Trans Name:	COLES SERVICES INC
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERVICES
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WHEELER FARMS (Continued) **S113072467**

Additional Info:

Year:	2009
Gen EPA ID:	CAL000127897
Shipment Date:	20090819
Creation Date:	10/12/2009 18:30:08
Receipt Date:	20090819
Manifest ID:	003207887JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	WHEELER FARMS
Address:	8329 SANDRINI RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	407684
CERS ID:	10231507
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	407684
Site Name:	WHEELER FARMS
Violation Date:	03-12-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 03/25/2014. ADD THESE CHEMICAL TO CERS: GREASE (250 GALLONS), ALGICIDE BACTERICIDE (250 GALLONS), ARGON (1000 CUBIC FEET), OXYGEN (1000 CUBIC FEET), AND ACETYLENE (500 CUBIC FEET)
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	407684
Site Name:	WHEELER FARMS
Violation Date:	03-12-2014
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

WHEELER FARMS (Continued) **S113072467**

Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 03/25/2014. MANIFESTS OR RECEIPTS FOR HAZARDOUS WASTE DISPOSAL WERE NOT INSPECTED AT THE TIME OF INSPECTION. FAX (661-862-8701) OR EMAIL (iwuchukwuc@co.kern.ca.us) SIGNED COPIES OF MANIFEST OR RECEIPTS FOR HAZARDOUS WASTE DISPOSAL from 2012 to 2014 TO KERN COUNTY ENVIRONMENTAL HEALTH DIVISION FOR REVIEW.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	407684
Site Name:	WHEELER FARMS
Violation Date:	03-06-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/08/2017. OBSERVATION: At the time of inspection the hazardous materials inventory did not align with the physical inventory stored on site. The following hazardous materials were not reported to the hazardous materials inventory in CERS: Drained/Used oil filters, Waste absrobent, Dormex, Biolink, Quick Quat (paraquat dichloride 43.2%), Hydraulic Oil and Pump Oil. ***CORRECTIVE ACTION: Log in to CERS to update the following changes to the hazardous materials inventory: - Acetylene: Change LARGEST CONTAINER SIZE from 300 to 125. Change average daily from 50 to 300 - Grease: Change STATE from liquid to solid. Change UNITS from gallons to pounds. Change the LARGEST CONTAINER SIZE from 55 to 400. Change MAX DAILY from 350 to 800. Change Avg daily accordingly - Motor Oil: Change the LARGEST CONTAINER SIZE from 0 to 55. Change the MAX DAILY from 200 to 110. Change the AVERAGE DAILY from 150 to 100. - Argon: Change LARGEST CONTAINER SIZE from 300 to 350. Change MAX DAILY from to [Truncated]
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	407684
Site Name:	WHEELER FARMS
Violation Date:	08-03-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/12/2020. Observation: Some of the hazardous materials observed on site are not properly reported and/or incorrectly reported to California Environmental Reporting System (CERS). Please make the following corrections to the Hazardous Materials Inventory: 1) Add these hazardous materials/waste to the inventories in CERS: Diesel Engine Oil = 330 gallons, Organic Peroxide = 300 gallons, and AgricTec = 150 gallons; 2) Biolink: add "Storage Temperature" = AMBIENT and "Storage Pressure"= AMBIENT; 3) PEGASUS 390 MOTOR OIL: add G Largest Container Size" = 55 gallons; 4) VECTRA LIGHT OIL: add G Largest Container SizeG = 55 gallons; 5) GRAMOXONE: update

WHEELER FARMS (Continued) **S113072467**

G Largest Container SizeG = 30 gallons; and, 6) ROUND UP: update G Largest Container Size" = 250 gallons, "Maximum Daily Amount" = 250 gallons, and "Average Daily Amount" = 125 gallons. Corrective Action: Properly and correctly update these hazardous materials mentioned above in California Environmental Reporting System (CERS). Resubmit with [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Violation Date: 03-12-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 03/25/2014. SUBMIT EPA ID NUMBER TO CERS WEBSITE.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Violation Date: 03-27-2018
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 04/09/2018. OBSERVATION: During the site inspection the facility stored two drums of drained/used oil filters and did not have a starting accumulation date. CORRECTIVE ACTION: Contact your hazardous waste hauler to remove two drums of drained/used oil filters. A copy of the manifest shall be sent to shamoone@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Violation Date: 08-03-2020
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 08/17/2020. Observation: Hazardous Waste manifests/bill of ladings were not available for review at the time of inspection. Corrective Action: Provide 3 years of Hazardous Waste manifests/bill of ladings (2016 to 2018) for review. Email or fax 2016 -2018 bill of ladings or manifest for hazardous waste disposal to Kern County Environmental Health Division. Attn: Christian Iwuchukwu (Email: iwuchukwuc@kerncounty.com; Fax: 661-862-8701).
Violation Division: Kern County Env Health Services Department

WHEELER FARMS (Continued) **S113072467**

Violation Program: HW
Violation Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Violation Date: 08-03-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/12/2020. Observation: Dented unlabeled 55 gallons steel drum for unknown hazardous materials was observed. Corrective Action: Transfer the content of the unknown liquid into another drum in good condition. Provide hazardous waste labels and properly label the good and un dented conditioned 55 gallons steel drum according to its content. Email photos of properly labeled and marked hazardous waste container to Kern County Environmental Health Division. Attn: Christian Iwuchukwu (Email: iwuchukwuc@kerncounty.com; Fax: 661-862-8701).
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Violation Date: 08-03-2020
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 08/12/2020. Observation: Empty 55 gallons containers were observed not properly marked with the word "EMPTY" and date emptied. Corrective Action: Mark all empty containers with the word "EMPTY" and date emptied. Manage empties within a year from the date emptied. Send photos of properly marked empty containers to Kern County Environmental Health Division. Attn: Christian Iwuchukwu (iwuchukwuc@kerncounty.com or Fax: 6618628701).
Violation Division: Kern County Env Health Services Department

WHEELER FARMS (Continued) **S113072467**

Violation Program: HW
Violation Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Violation Date: 03-06-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/13/2017. OBSERVATION: Failure to disclose the storage of petroleum products in excess of 1,320 gallons. ***CORRECTIVE ACTION: Log in to CERS and under Facility Information: Business Activities select YES to the following question: "Does your facility own or operate ASTs above these thresholds? Stores greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers. When all changes in CERS have been made, resubmit the elements in CERS. Notify inspector Evie Shamoon of changes and send notification to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department

WHEELER FARMS (Continued) **S113072467**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: RECOMMENDATIONS: 1). KEEP THESE DOCUMENTS ON SITE - CONTINGENCY PLAN, EMERGENCY RESPONSE PLAN, SITE MAP, MANIFEST AND HAZARDOUS WASTE RECEIPTS, MATERIAL SAFETY DATA SHEET (MSDS) ON DIFFERENT LOCATIONS. 2). TRAIN ALL EMPLOYEES ON HOW TO USE MSDS.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Good houskeeping.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department

WHEELER FARMS (Continued) **S113072467**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-03-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-03-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 407684
Site Name: WHEELER FARMS
Site Address: 8329 SANDRINI RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 03-12-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 407684
Site Name: WHEELER FARMS
Site Address: 8329 SANDRINI RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 03-12-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

WHEELER FARMS (Continued) **S113072467**

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	JAY REYNA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	WHEELER FARMS
Entity Title:	Not reported
Affiliation Address:	4813 CALLOWAY DR
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93312
Affiliation Phone:	(661) 410-1400

Affiliation Type Desc:	Operator
Entity Name:	JAY REYNA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 410-1400

Affiliation Type Desc:	Environmental Contact
Entity Name:	JAY REYNA
Entity Title:	Not reported
Affiliation Address:	4813 CALLOWAY DR.
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93312
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4813 CALLOWAY DRIVE
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93312
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	JAY REYNA
Entity Title:	SAFETY DIRECTOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

WHEELER FARMS (Continued) **S113072467**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Bidart Bros
Entity Title: Not reported
Affiliation Address: 4813 Calloway Dr
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93312
Affiliation Phone: (661) 410-1400

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Parent Corporation
Entity Name: WHEELER FARMS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: WHEELER FARMS
Address: 8329 SANDRINI RD
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 933139647
EPA ID: CAL000127897
Inactive Date: Not reported
Create Date: 03/28/1995
Last Act Date: 07/20/2020
Mailing Name: Not reported
Mailing Address: 4813 CALLOWAY DR
Mailing Address 2: Not reported
Mailing City,State,Zip: BAKERSFIELD, CA 933120000
Owner Name: BIDART BROTHERS
Owner Address: 4813 CALLOWAY DR
Owner Address 2: Not reported
Owner City,State,Zip: BAKERSFIELD, CA 933120000
Contact Name: JAY REYNA
Contact Address: 4813 CALLOWAY DR
Contact Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 93312

G38 **GARY ICARDO FARMS INC** **CUPA Listings** **S126201868**
SSE **10120 VALPREDO RD 4 MI W OF 99** **N/A**
> 1 **BAKERSFIELD, CA**
1.937 mi.
10229 ft. **Site 1 of 6 in cluster G**

Relative:
Higher

Actual:
370 ft.

KERN CO CUPA:

Facility ID:	FA0000787
CERS ID:	10231591
Name:	GARY ICARDO FARMS INC
Address:	10120 VALPREDO RD 4 MI W OF 99
Address 2:	10120 VALPREDO RD 4 MI W OF 99
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN MED LOW RISK 1 UNIT
Program Element Code:	CB2T
HMIRRP Due Date:	2/28
Current Inspection Date:	04/01/2022
Employee:	Elfstrom
Mailing Address:	2217 F ST, SUITE G
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	93301

G39 **GARY ICARDO FARMS INC** **FINDS** **1024664957**
SSE **10120 VALPREDO RD** **ECHO** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.937 mi.
10229 ft. **Site 2 of 6 in cluster G**

Relative:
Higher

Actual:
370 ft.

FINDS:
Registry ID: 110070453351

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024664957
Registry ID:	110070453351
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070453351
Name:	GARY ICARDO FARMS INC
Address:	10120 VALPREDO RD
City,State,Zip:	BAKERSFIELD, CA 93313

G40 **GARY ICARDO FARMS INC** **AST** **A100420271**
SSE **10120 VALPREDO RD 4 MI W OF 99** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.937 mi.
10229 ft. **Site 3 of 6 in cluster G**

Relative:
Higher

Actual:
370 ft.

AST:

Name:	GARY ICARDO FARMS INC
Address:	10120 VALPREDO RD 4 MI W OF 99
City/Zip:	BAKERSFIELD,93313
Certified Unified Program Agencies:	Not reported
Owner:	GARY ICARDO
Total Gallons:	Not reported
CERSID:	10231591
Facility ID:	Not reported
Business Name:	Jimmie Icardo Farms, Inc.
Phone:	(661) 858-2444
Fax:	(661)861-9975
Mailing Address:	2217 F ST, SUITE G
Mailing Address City:	BAKERSFIELD
Mailing Address State:	CA
Mailing Address Zip Code:	93301
Operator Name:	GARY ICARDO
Operator Phone:	(661) 322-5184
Owner Phone:	(661) 322-5184
Owner Mail Address:	2217 F STREET #G
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	GARY ICARDO FARMS, INC.
Property Owner Phone:	(661)322-5184
Property Owner Mailing Address:	2217 F STREET, SUITE G
Property Owner City:	BAKERSFIELD
Property Owner Stat :	CA
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAL000250495

G41 **JIMMIE ICARDO FARMS INC** **FINDS** **1023265515**
SSE **10120 VALPREDO RD 4 MI W OF 99** **N/A**
> 1 **BAKERSFIELD, CA 93313**
1.937 mi.
10229 ft. **Site 4 of 6 in cluster G**

Relative:
Higher

Actual:
370 ft.

FINDS:
Registry ID: 110065550424

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G42 **JIMMIE ICARDO FARMS INC** **AST** **A100338706**
SSE **10120 VALPREDO RD 4 MI W OF 99** **N/A**
> 1 **BAKERSFIELD, CA**
1.937 mi.
10229 ft. **Site 5 of 6 in cluster G**

Relative: AST:
Higher

Name:	JIMMIE ICARDO FARMS INC
Address:	10120 VALPREDO RD 4 MI W OF 99
City/Zip:	BAKERSFIELD,
Certified Unified Program Agencies:	Kern
Owner:	GARY ICARDO
Total Gallons:	8,720
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Actual:
370 ft.

G43 **GARY ICARDO FARMS INC** **RCRA NonGen / NLR** **1024803016**
SSE **10120 VALPREDO RD** **CAL000250495**
> 1 **BAKERSFIELD, CA 93313**
1.937 mi.
10229 ft. **Site 6 of 6 in cluster G**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:		2002-04-19 00:00:00.0
Handler Name:	GARY ICARDO FARMS INC	
Handler Address:		10120 VALPREDO RD
Handler City,State,Zip:		BAKERSFIELD, CA 93313-9662
EPA ID:		CAL000250495
Contact Name:		ADAM ICARDO
Contact Address:		2217 F ST SUITE G
Contact City,State,Zip:		BAKERSFIELD, CA 93301
Contact Telephone:		661-322-5184
Contact Fax:		661-861-9975
Contact Email:		GARYICARDOFARMS@SBCGLOBAL.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified

Actual:
370 ft.

GARY ICARDO FARMS INC (Continued) **1024803016**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2217 F ST STE G
Mailing City,State,Zip:	BAKERSFIELD, CA 93301-3832
Owner Name:	GARY ICARDO FARMS INC
Owner Type:	Other
Operator Name:	ADAM ICARDO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

GARY ICARDO FARMS INC (Continued) **1024803016**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:45:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GARY ICARDO FARMS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2217 F ST STE G
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93301-3832
Owner/Operator Telephone:	661-322-5184
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ADAM ICARDO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2217 F ST SUITE G
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93301
Owner/Operator Telephone:	661-322-5184
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2002-04-19 00:00:00.0
Handler Name: GARY ICARDO FARMS INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	111998
NAICS Description:	ALL OTHER MISCELLANEOUS CROP FARMING

GARY ICARDO FARMS INC (Continued) **1024803016**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H44 **WALKER FRY RANCH** **AST** **A100337498**
ESE **9311 COPUS** **N/A**
> 1 **METTLER, CA**
1.944 mi.
10262 ft. **Site 1 of 3 in cluster H**

Relative: **Higher**
Actual: **367 ft.**

AST:

Name:	WALKER FRY RANCH
Address:	9311 COPUS
City/Zip:	METTLER,
Certified Unified Program Agencies:	Kern
Owner:	WALKER FRY RANCH
Total Gallons:	11,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

H45 **WALKER FRY RANCH** **CERS TANKS** **S121777448**
ESE **9311 COPUS RD** **CUPA Listings** **N/A**
> 1 **METTLER, CA 93311** **CERS**
1.944 mi.
10262 ft. **Site 2 of 3 in cluster H**

Relative: **Higher**
Actual: **367 ft.**

CERS TANKS:

Name:	WALKER FRY RANCH
Address:	9311 COPUS RD
City,State,Zip:	METTLER, CA 93311

WALKER FRY RANCH (Continued) **S121777448**

Site ID: 407126
CERS ID: 10233064
CERS Description: Aboveground Petroleum Storage

KERN CO CUPA:
Facility ID: FA0002068
CERS ID: 10233064
Name: WALKER FRY RANCH
Address: 9311 COPUS RD
Address 2: 9311 COPUS RD
City,State,Zip: METTLER, CA
Billing Status: Active, billable
Program Element: BUS PLAN MED LOW RISK 1 UNIT
Program Element Code: CB2T
HMIRRP Due Date: 11/30
Current Inspection Date: 01/01/2023
Employee: IWUCHUKWU
Mailing Address: 10103A HIGHWAY 166
Mailing Address 2: Not reported
Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 93313-7802

CERS:
Name: WALKER FRY RANCH
Address: 9311 COPUS RD
City,State,Zip: METTLER, CA 93311
Site ID: 407126
CERS ID: 10233064
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 05-13-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 05/21/2014. Update these hazardous materials and submit to CERS inventory: Diesel (10500 gallons), Motor Oil (110 gallons), Hydraulic Oil (165 gallons), and Glyphosate (55 gallons).
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 02-26-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Observation: During Routine Inspection of Walker Fry Ranch operator was unable to provide annual Hazardous Communications training records

WALKER FRY RANCH (Continued) **S121777448**

for 2019. Corrective Action: Send a copy of the annual Hazardous Communications training records for 2019 to shamoone@kerncounty.com.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 02-03-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: Failure to disclose the storage of petroleum products in above ground tanks in excess of 1,320 gallons. At the inspection, it was determined that Walker Fry Ranch stores in excess of 1,320 gallons of petroleum products. ***CORRECTIVE ACTION: Log in to CERS to say YES to the following question "Does your facility own or operate ASTs above these thresholds? Store greater than 1,320 gallons of petroleum products (new or used) in above ground tanks or containers. When all changes in CERS have been made, resubmit the elements in CERS. Notify inspector Evie Shamoon of changes and send notification to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 05-13-2014
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 05/21/2014. Provide adequate training plan and submit to CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 02-26-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.
Violation Notes: Observation: Observed an accumulation of rainwater with oil sheen in the holding sump in diesel fueling area. Corrective Action: Contact licensed waste hauler to remove all contaminated water from holding sump. Send documentation of removal to shamoone@kerncounty.com.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

WALKER FRY RANCH (Continued) **S121777448**

Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 02-03-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The hazardous materials inventory needs to be revised and resubmitted in CERS. ***CORRECTIVE ACTION: 1) Diesel Concentrate: Change LARGEST CONTAINER from 5 to 55 2) Turbine Oil: Change MAX DAILY from 55 to 110 3) Propane: can be removed from inventory because the propane tank services the residential homes. When all changes in CERS have been made, resubmit the elements in CERS. Notify inspector Evie Shamoon of changes and send notification to shamoone@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 407126
Site Name: WALKER FRY RANCH
Violation Date: 02-26-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure of a conditionally exempt facility to allow the UPA to conduct a periodic inspection, install secondary containment when the UPA determines that it is necessary, and/or conduct daily visual inspections to protect the waters of the state.
Violation Notes: Observation: Observed single-walled 10,500 gallon diesel fuel tank stored on dirt. Corrective Action: Operator must install a sized secondary containment for tank or prepare an SPCC plan. Documentation of compliance must be sent to shamoone@kerncounty.com. Note: If operator wishes to remove tank from site, then please send documentation of triple-rinse and removal to shamoone@kerncounty.com.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please read through the inspection report(s) as you will find violations that were issued at the time of the inspection. In the report you will find that I have provided instructions on how to return to compliance. You will have thirty (30) days from the date the

WALKER FRY RANCH (Continued) **S121777448**

violation(s) were cited to come into full compliance. Once all violations have been completed, sign the last page of this inspection report to confirm full compliance has been met and send it to me via email at Shamoone@co.kern.ca.us Should you have any questions, please don't hesitate to contact me.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The annual CERS Certification is due no later than March 1, 2020. Please remember to update the email address for the Environmental Contact prior to submitting.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 407126
Site Name: WALKER FRY RANCH
Site Address: 9311 COPUS RD
Site City: METTLER
Site Zip: 93311
Enf Action Date: 05-13-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

WALKER FRY RANCH (Continued) **S121777448**

Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 407126
Site Name: WALKER FRY RANCH
Site Address: 9311 COPUS RD
Site City: METTLER
Site Zip: 93311
Enf Action Date: 07-03-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: COLBY FRY
Entity Title: Not reported
Affiliation Address: 10103A HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93313
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: WALKER FRY RANCH
Entity Title: Not reported
Affiliation Address: 10103A HIGHWAY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93313-7802
Affiliation Phone: (661) 858-2523

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Parent Corporation
Entity Name: WALKER FRY RANCH
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

WALKER FRY RANCH (Continued) **S121777448**

Affiliation Type Desc:	Document Preparer
Entity Name:	COLBY FRY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10103A HIGHWAY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313-7802
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	SCOTT SPITZER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 889-6000

Affiliation Type Desc:	Identification Signer
Entity Name:	COLBY FRY
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	COLBY FRY
Entity Title:	Not reported
Affiliation Address:	10103A HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 858-2523

H46 **WALKER FRY RANCH** **FINDS** **1023330879**
ESE **9311 COPUS RD** **N/A**
> 1 **METTLER, CA 93311**
1.944 mi.
10262 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
367 ft.

FINDS:
Registry ID: 110066254975

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I47 **SOUTH VALLEY GINS INC** **CUPA Listings** **S124873859**
SSE **9759 VALPREDO RD** **HWTS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.025 mi.
10692 ft. **Site 1 of 5 in cluster I**

Relative:
Higher

Actual:
376 ft.

KERN CO CUPA:

Facility ID:	FA0000422
CERS ID:	10231144
Name:	SOUTH VALLEY GINS INC GIN #1
Address:	9759 VALPREDO RD
Address 2:	9759 VALPREDO RD
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	7/31
Current Inspection Date:	09/01/2017
Employee:	Elfstrom
Mailing Address:	9759 VALPREDO RD
Mailing Address 2:	Not reported
Mailing City:	Bakersfield
Mailing State:	CA
Mailing Zip:	93313-9660

HWTS:

Name:	SOUTH VALLEY GINS INC
Address:	9759 VALPREDO RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313
EPA ID:	CAL000336981
Inactive Date:	06/30/2016
Create Date:	10/06/2008
Last Act Date:	01/12/2017
Mailing Name:	GUY SCHWARZ
Mailing Address:	9759 VALPREDO RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933139660
Owner Name:	SOUTH VALLEY GINS INC
Owner Address:	9759 VALPREDO RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 933139660
Contact Name:	GUY SCHWARZ
Contact Address:	9759 VALPREDO ROAD

SOUTH VALLEY GINS INC (Continued) **S124873859**

Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93313

NAICS:

EPA ID:	CAL000336981
Create Date:	2009-12-03 12:41:18.000
NAICS Code:	115111
NAICS Description:	Cotton Ginning
Issued EPA ID Date:	2008-10-06 14:26:33.46300
Inactive Date:	2016-06-30 00:00:00
Facility Name:	SOUTH VALLEY GINS INC
Facility Address:	9759 VALPREDO RD
Facility Address 2:	Not reported
Facility City:	BAKERSFIELD
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93313

I48 **SOUTH VALLEY GINS INC** **AST** **A100337734**
SSE **9759 VALPREDO** **N/A**
> 1 **BAKERSFIELD, CA**
2.025 mi.
10692 ft. **Site 2 of 5 in cluster I**

Relative:
Higher

Actual:
376 ft.

AST:

Name:	SOUTH VALLEY GINS INC
Address:	9759 VALPREDO
City/Zip:	BAKERSFIELD,
Certified Unified Program Agencies:	Kern
Owner:	SOUTH VALLEY GINS INC
Total Gallons:	9,070
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

I49 **SO VALLEY GINS** **CERS** **S126140681**
SSE **9759 VALPREDO ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.025 mi.
10692 ft. **Site 3 of 5 in cluster I**

Relative:
Higher

Actual:
376 ft.

CERS:

Name:	SO VALLEY GINS
Address:	9759 VALPREDO ROAD
City,State,Zip:	BAKERSFIELD, CA 93313-9660
Site ID:	494889
CERS ID:	110001167148
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	GUY SCHWARZ
Entity Title:	Not reported
Affiliation Address:	9759 VALPREDO ROAD
Affiliation City:	BAKERSFIELD
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	SOUTH VLY GINSNA
Entity Title:	Not reported
Affiliation Address:	9759 VALPREDO ROAD
Affiliation City:	BAKERSFIELD
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

I50 **SO VALLEY GINS** **ICIS** **1004440171**
SSE **9759 VALPREDO ROAD** **US AIRS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **FINDS**
2.025 mi.
10692 ft. **Site 4 of 5 in cluster I**

Relative:
Higher

Actual:
376 ft.

ICIS:

Enforcement Action ID:	CASJVA000006029S082900020
FRS ID:	110001167148
Action Name:	SO VALLEY GINS 06029S082900020
Facility Name:	SO VALLEY GINS
Facility Address:	9759 VALPREDO RD BAKERSFIELD, CA 93313
Enforcement Action Type:	Administrative Order
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	0724
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.076381
Longitude in Decimal Degrees:	-119.020501
Permit Type Desc:	Not reported
Program System Acronym:	CASJV00006029S0829

SO VALLEY GINS (Continued) **1004440171**

Facility NAICS Code: 115111
Tribal Land Code: Not reported

Enforcement Action ID: CASJVA000006029S082900018
FRS ID: 110001167148
Action Name: SO VALLEY GINS 06029S082900018
Facility Name: SO VALLEY GINS
Facility Address: 9759 VALPREDO RD
BAKERSFIELD, CA 93313
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 0724
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.076381
Longitude in Decimal Degrees: -119.020501
Permit Type Desc: Not reported
Program System Acronym: CASJV00006029S0829
Facility NAICS Code: 115111
Tribal Land Code: Not reported

Enforcement Action ID: CASJVA000006029S082900013
FRS ID: 110001167148
Action Name: SO VALLEY GINS 06029S082900013
Facility Name: SO VALLEY GINS
Facility Address: 9759 VALPREDO RD
BAKERSFIELD, CA 93313
Enforcement Action Type: Administrative Order
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 0724
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.076381
Longitude in Decimal Degrees: -119.020501
Permit Type Desc: Not reported
Program System Acronym: CASJV00006029S0829
Facility NAICS Code: 115111
Tribal Land Code: Not reported

Enforcement Action ID: CASJVA000006029S082900012
FRS ID: 110001167148
Action Name: SO VALLEY GINS 06029S082900012
Facility Name: SO VALLEY GINS
Facility Address: 9759 VALPREDO RD
BAKERSFIELD, CA 93313
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 0724
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.076381

SO VALLEY GINS (Continued) **1004440171**

Longitude in Decimal Degrees: -119.020501
Permit Type Desc: Not reported
Program System Acronym: CASJV00006029S0829
Facility NAICS Code: 115111
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1004440171
Region Code: 09
County Code: CA029
Programmatic ID: AIR CASJV00006029S0829
Facility Registry ID: 110001167148
D and B Number: Not reported
Facility Site Name: SO VALLEY GINS
Primary SIC Code: 0724
NAICS Code: 115111
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: OTH
HPV Status: Not reported

FINDS:
Registry ID: 110001167148

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
AIR EMISSIONS CLASSIFICATION UNKNOWN
AIR SYNTHETIC MINOR
HAZARDOUS AIR POLLUTANT MAJOR
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I51 **SO VALLEY GINS** **ECHO** **1016061272**
SSE **9759 VALPREDO ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.025 mi.
10692 ft. **Site 5 of 5 in cluster I**

Relative:
Higher

Actual:
376 ft.

ECHO:
Envid: 1016061272
Registry ID: 110001167148
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110001167148
Name: SO VALLEY GINS

SO VALLEY GINS (Continued) **1016061272**

Address: 9759 VALPREDO ROAD
City,State,Zip: BAKERSFIELD, CA 93313

J52 **J G BOSWELL COMPANY - KERN LAKE** **FINDS** **1023263053**
NW **27865 ASH RD.** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.182 mi.
11521 ft. **Site 1 of 3 in cluster J**

Relative:
Lower

Actual:
281 ft.

FINDS:
Registry ID: 110065525051

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J53 **J G BOSWELL COMPANY - KERN LAKE** **CERS HAZ WASTE** **S121773718**
NW **27865 ASH RD.** **CERS TANKS** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CERS**
2.184 mi.
11531 ft. **Site 2 of 3 in cluster J**

Relative:
Lower

Actual:
281 ft.

CERS HAZ WASTE:
Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Hazardous Chemical Management

Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Aboveground Petroleum Storage

CERS:
Name: J G BOSWELL COMPANY - KERN LAKE
Address: 27865 ASH RD.
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 395270
CERS ID: 10238230
CERS Description: Chemical Storage Facilities

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Violations:

Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-21-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/20/2017. Several chemicals stored in the Kern Lake Time Room shop had not been reported in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	10-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/24/2020. The Unified Program Agency requires the following items to be included on the submitted site maps: 1. Include all safety/emergency equipment such as eye wash stations, spill kits, first aid, fire extinguishers, etc.... that is on site for the Kern Lake Time Room. 2. Include routes to the Kern Lake Time Room from major roads for Emergency Responders. 3. Include additional major roads on the Kern Lake Chemical Location Map for Emergency Responders. 4. It was observed that there is a discrepancy between between the Kern Lake Time Room map and the Kern Lake Chemical Location Map concerning Chlorine Tank Storage Sites at the Kern Lake Time Room. One map states "10 Cylinders Max" and the other states "A maximum of 10 empty 1-ton chlorine cylinders are stored at the site." Please confirm which statement is true and update each map as necessary. In addition, update any operating procedures/signage if necessary. 5. During the time of the inspection, we went to [Truncated]
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-25-2013
Citation:	19 CCR 4.5 2755.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(a)
Violation Description:	Failure to prepare and implement procedures to maintain the on-going mechanical integrity of the process equipment.
Violation Notes:	Returned to compliance on 08/09/2013.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS

Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-21-2017

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/20/2017. Facility was late in annually reviewing and certifying the CERS submission. Submissions are due by the end of June for the Kern Lake facility.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	08-19-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 07/21/2017. Drums located north of the shop were unlabeled.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-25-2013
Citation:	19 CCR 4.5 2755.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(b)
Violation Description:	Failure to train or cause to be trained each employee involved in maintaining the on-going mechanical integrity of the process in: 1. The hazards of the process; 2. How to avoid or correct unsafe conditions; 3. The procedures applicable to the employeeG s job tasks.
Violation Notes:	Returned to compliance on 08/09/2013.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	395270
Site Name:	J G BOSWELL COMPANY - KERN LAKE
Violation Date:	07-25-2013
Citation:	19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Description:	Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown and operations; 5. Normal shutdown; 6. Startup following a normal or emergency shutdown or a major change that requires a hazard review; 7. Consequences of deviations and steps required to correct or avoid deviations; 8. Equipment inspections.
Violation Notes:	Returned to compliance on 08/09/2013. Standard operating procedures for chlorine lack consequences of deviation and how they would be

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

addressed.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 395270
Site Name: J G BOSWELL COMPANY - KERN LAKE
Violation Date: 08-19-2015
Citation: HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description: Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes: Returned to compliance on 07/21/2017. Unlabeled and leaking drums of waste are stored north of the shop area near the chlorine storage.
Violation Division: Kern County Env Health Services Department
Violation Program: HWLQG
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Eval Date:	07-25-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-11-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The chlorine storage at the time room must be included as a process in the RMP. I counted 16 ton cylinders at that location.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2015
Violations Found:	No

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 395270
Site Name: J G BOSWELL COMPANY - KERN LAKE
Site Address: 27865 ASH RD.
Site City: BAKERSFIELD
Site Zip: 93313

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Enf Action Date:	07-25-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	CalARP
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Document Preparer
Entity Name:	Drew Scott
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 9759
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93389
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	J G BOSWELL COMPANY-Kern Lake Time Room
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 327-3551

Affiliation Type Desc:	Environmental Contact
Entity Name:	Laura Brown
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 457
Affiliation City:	CORCORAN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93212

J G BOSWELL COMPANY - KERN LAKE (Continued) **S121773718**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Laura Brown
Entity Title:	Environmental Resources Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	J G BOSWELL CO-Kern Lake
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 9759
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93389
Affiliation Phone:	(661) 327-3551
Affiliation Type Desc:	Property Owner
Entity Name:	J.G. Boswell Co-Kern Lake
Entity Title:	Not reported
Affiliation Address:	P.O. Box 9759
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93389
Affiliation Phone:	(661) 327-3551
Affiliation Type Desc:	Parent Corporation
Entity Name:	BOSWELL COMPANY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

J54 **J G BOSWELL COMPANY - KERN LAKE** **AST** **A100421054**
NW **27865 ASH RD.** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.184 mi.
11531 ft. **Site 3 of 3 in cluster J**

Relative: AST:
Lower

Actual:
281 ft.

Name:	J G BOSWELL COMPANY - KERN LAKE
Address:	27865 ASH RD.
City/Zip:	BAKERSFIELD,93313
Certified Unified Program Agencies:	Not reported
Owner:	J G BOSWELL CO-Kern Lake
Total Gallons:	Not reported
CERSID:	10238230
Facility ID:	15-010-036126

J G BOSWELL COMPANY - KERN LAKE (Continued) **A100421054**

Business Name:	BOSWELL COMPANY
Phone:	(661) 764-9000
Fax:	Not reported
Mailing Address:	PO BOX 9759
Mailing Address City:	Bakersfield
Mailing Address State:	CA
Mailing Address Zip Code:	93389
Operator Name:	J G BOSWELL COMPANY-Kern Lake Time Room
Operator Phone:	(661) 327-3551
Owner Phone:	(661) 327-3551
Owner Mail Address:	PO BOX 9759
Owner State:	CA
Owner Zip Code:	93389
Owner Country:	United States
Property Owner Name:	J.G. Boswell Co-Kern Lake
Property Owner Phone:	(661) 327-3551
Property Owner Mailing Address:	P.O. Box 9759
Property Owner City:	Bakersfield
Property Owner Stat :	CA
Property Owner Zip Code:	93389
Property Owner Country:	United States
EPAID:	CAD981439490

K55 **T-MOBILE WEST, LLC SV90005A** **CUPA Listings** **S123100997**
SE **9339 VALPREDO RD** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.298 mi.
12134 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**
Actual: **396 ft.**

KERN CO CUPA:

Facility ID:	FA0002010
CERS ID:	Not reported
Name:	RICHARDSON FAMILY TRUST
Address:	9339 VALPREDO RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Inactive, non-billable
Program Element:	BUSINESS PLAN
Program Element Code:	CB21
HMIRRP Due Date:	Not reported
Current Inspection Date:	01/01/2008
Employee:	Elfstrom
Mailing Address:	5100 CALIFORNIA AVE STE 224
Mailing Address 2:	Not reported
Mailing City:	BAKERSFIELD
Mailing State:	CA
Mailing Zip:	933090718

Facility ID:	FA0045232
CERS ID:	10730395
Name:	T-MOBILE WEST, LLC SV90005A
Address:	9339 VALPREDO RD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, exempt from billing
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported

T-MOBILE WEST, LLC SV90005A (Continued) **S123100997**

Current Inspection Date:	Not reported
Employee:	Elfstrom
Mailing Address:	4100 Guardian Street, Suite 101
Mailing Address 2:	Not reported
Mailing City:	Simi Valley
Mailing State:	CA
Mailing Zip:	93063

CERS:

Name:	T-MOBILE WEST, LLC SV90005A
Address:	9339 VALPREDO RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	420213
CERS ID:	10730395
CERS Description:	Chemical Storage Facilities

Coordinates:

Site ID:	420213
Facility Name:	T-Mobile West, LLC SV90005A
Env Int Type Code:	HMBP
Program ID:	10730395
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.076040
Longitude:	-119.021190

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	T-MOBILE WEST, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 574-0897

Affiliation Type Desc:	Parent Corporation
Entity Name:	T-MOBILE WEST, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

T-MOBILE WEST, LLC SV90005A (Continued) **S123100997**

Affiliation Type Desc:	Document Preparer
Entity Name:	Kelly Michaels
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Kelly Michaels
Entity Title:	Project Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	T-MOBILE WEST, LLC
Entity Title:	Not reported
Affiliation Address:	12920 SE 38th Street
Affiliation City:	Bellevue
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98006
Affiliation Phone:	(425) 383-4000

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kelly Michaels
Entity Title:	Not reported
Affiliation Address:	4100 Guardian Street, Suite 101
Affiliation City:	Simi Valley
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93063
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4100 Guardian Street, Suite 101
Affiliation City:	Simi Valley
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93063
Affiliation Phone:	Not reported

K56 **RICHARDSON FAMILY TRUST** **AST** **A100337516**
SE **9339 VALPREDO** **N/A**
> 1 **BAKERSFIELD, CA**
2.298 mi.
12134 ft. **Site 2 of 2 in cluster K**

Relative: **Higher**

Actual: **396 ft.**

AST:

Name:	RICHARDSON FAMILY TRUST
Address:	9339 VALPREDO
City/Zip:	BAKERSFIELD,
Certified Unified Program Agencies:	Kern
Owner:	RICHARDSON FAMILY TRUST
Total Gallons:	10,555
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

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57 **FIELD STORAGE** **RMP** **1011824764**
NNW **1/2 MI. SO. OF HERRING RD** **N/A**
> 1 **METTLER, CA 93312**
2.507 mi.
13238 ft.

Relative: **Lower**

Actual: **0 ft.**

RMP:

Facility ID:	38598
Name:	FIELD STORAGE
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	METTLER, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.134194
Facility decimal longitude:	-119.068139
Is facility in county box:	T
LatLong method:	G1
LatLong description:	PG
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0

FIELD STORAGE (Continued) **1011824764**

Parents name:	Buttonwillow Warehouse Co., Inc.
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donald Houchin
Operators telephone:	6613234744
Operators address:	P.O. Box 98
Operators City,St,Zip:	Buttonwillow, CA 93206
RMP implementation contact:	Gerry Wright
RMP contact title:	RMP Coordinator
Emergency contact:	Gerry Wright
Emergency contact title:	RMP Coordinator
Emergency contact telephone:	6613234744
24 hour emergency telephone:	6613234744
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	Not reported
Inspected by:	Never had one
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2004-08-24 00:00:00
Date of error Report:	Not reported
Date RMP received:	2004-06-25 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2004-06-21 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2009-06-21 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.2
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2004-04-15 00:00:00
ER plan most recent employee training date:	2004-04-15 00:00:00

FIELD STORAGE (Continued) **1011824764**

Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	6613917000
Federal regulation:	False
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	55550
Optional facility description:	Anhydrous Ammonia
Program level:	2
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Hay Farming

Prevention Program 2:

Safety review date:	2004-04-15 00:00:00
Federal regulation comment:	Not reported
Major Hazard:	Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Contamination, Equipment failure, Cooling loss, Earthquake, Floods, Tornado
Process Control:	Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Emergency air supply, Grounding equipment, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent hazard review/update:	2004-04-15 00:00:00
Most recent review of op. procedures:	2004-04-15 00:00:00
Most recent training progs review/update:	2004-04-15 00:00:00
Expected completion of review changes:	Not reported
Training:	Classroom, On the job
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2004-04-15 00:00:00
Most recent equipment inspection date:	2004-04-15 00:00:00
Equipment tested:	Shut off Valves
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	False
Date of most recent changes:	Not reported

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	87550
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)

FIELD STORAGE (Continued) **1011824764**

Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

L58 **KERN COUNTY RANCH - KERN LAKE TIME ROOM** **RMP** **1017426424**
NNW **27865 ASH ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.685 mi.
14179 ft. **Site 1 of 2 in cluster L**

Relative: **Lower**

Actual: **0 ft.**

RMP:

Facility ID:	1000047432
Name:	KERN COUNTY RANCH - KERN LAKE TIME ROOM
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Dennis Tristao
Emergency contact title:	Environmental Affairs Manager
Emergency contact telephone:	5599922141
24 hour emergency telephone:	5598160835
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2014-09-09 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-11-07 00:00:00
Date of error Report:	Not reported
Date RMP received:	2014-11-07 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2014-11-07 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2019-11-07 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	Not reported
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2014-05-30 00:00:00
ER plan most recent employee training date:	2014-05-16 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Local agency coordinating ER plan:	KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency:	6618628757
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	1000059182
Optional facility description:	Chlorine Storage
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2014-10-31 00:00:00
Most recent PHA date:	2014-10-31 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2014-11-05 00:00:00
Major Hazard:	Toxic Release, Fire, Overfilling, Ton cylinder dropped during delivery.
Process Control:	None
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2014-10-31 00:00:00
Most recent training progs review/update:	2014-10-31 00:00:00
Training:	Not reported
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2014-10-31 00:00:00
Most recent equipment inspection date:	2014-10-31 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2014-09-09 00:00:00
Date of most recent review/update:	2014-10-31 00:00:00
Date of pre-start review:	2014-10-31 00:00:00
Most recent compliance audit date:	2014-05-16 00:00:00
Expected date of audit completion:	2014-11-05 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2014-10-31 00:00:00
Date of hot work permit review:	2014-10-31 00:00:00
Date of contractor safety review:	2014-10-31 00:00:00
Date of contractor safety eval. review:	2014-10-31 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	40000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Facility ID:	1000065879
Name:	KERN COUNTY RANCH - KL SITES 18,22,23,28,29,30,31
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Dennis Tristao
Emergency contact title:	Environmental Affairs Manager
Emergency contact telephone:	5599922141
24 hour emergency telephone:	5598160835
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2017-08-15 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2017-10-03 00:00:00
Date of error Report:	Not reported
Date RMP received:	2017-10-03 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2017-10-03 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2022-10-03 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	Not reported
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2017-08-04 00:00:00
ER plan most recent employee training date:	2017-08-15 00:00:00
Local agency coordinating ER plan:	KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency:	6618628757

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

Processes:

Process ID:	1000082485
Optional facility description:	Kern Lake Storage Site 31
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	20000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Physical state:	a
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Process ID:	1000082486
Optional facility description:	Irrigation Site 18
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	8000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Process ID:	1000082487
Optional facility description:	Irrigation Site 22
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082488
Optional facility description: Irrigation Site 23
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2017-08-04 00:00:00
Most recent training progs review/update: 2017-08-04 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Chlorine

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082489
Optional facility description: Irrigation Site 28
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2017-08-04 00:00:00
Most recent training progs review/update: 2017-08-04 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082490
Optional facility description: Irrigation Site 29
Program level: 3
Record contains CBI data: False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2017-08-04 00:00:00
Most recent training progs review/update: 2017-08-04 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Chlorine
Process chemical qty in 100s lbs: 4000

Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Process ID: 1000082491
Optional facility description: Irrigation Site 30
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

	dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2017-08-04 00:00:00
Most recent training progs review/update:	2017-08-04 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Facility ID:	1000073223
Name:	KERN COUNTY RANCH - KERN LAKE
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Charlie Riddle
Emergency contact title:	Ranch Manager
Emergency contact telephone:	6613303054
24 hour emergency telephone:	6613303054
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2018-08-01 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2018-10-09 00:00:00
Date of error Report:	Not reported
Date RMP received:	2018-10-09 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2018-10-09 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2023-10-09 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	Not reported
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Emergency Responses:

ER plan most recent review date:	2017-08-04 00:00:00
ER plan most recent employee training date:	2017-08-15 00:00:00
Local agency coordinating ER plan:	KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency:	6618628757
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

EPCRA: False
Other Regulations: Not reported

Processes:
Process ID: 1000091421
Optional facility description: Irrigation Site 24
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2017-08-04 00:00:00
Most recent PHA date: 2017-08-04 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2017-08-14 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2018-01-23 00:00:00
Most recent training progs review/update: 2018-05-03 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2017-08-04 00:00:00
Date of most recent review/update: 2017-08-04 00:00:00
Date of pre-start review: 2017-08-04 00:00:00
Most recent compliance audit date: 2017-04-20 00:00:00
Expected date of audit completion: 2017-04-20 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA’s RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Process ID:	1000091422
Optional facility description:	Kern Lake Storage Site 30
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Overpressurization, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	20000

Process ID:	1000091423

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Optional facility description:	Irrigation Site 27
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported

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Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Process ID:	1000091424
Optional facility description:	Irrigation Site 16
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2017-08-04 00:00:00
Most recent PHA date:	2017-08-04 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2017-08-14 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2018-01-23 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2017-08-04 00:00:00
Date of most recent review/update:	2017-08-04 00:00:00
Date of pre-start review:	2017-08-04 00:00:00
Most recent compliance audit date:	2017-04-20 00:00:00
Expected date of audit completion:	2017-04-20 00:00:00
Most recent incident investigation:	Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Process ID:	1000091425
Optional facility description:	Irrigation Site 26
Program level:	3
Record contains CBI data:	False

Process NAICS:

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

NAICS code description: All Other Crop Farming

Prevention Program 3:
- Safety review date: 2017-08-04 00:00:00
- Most recent PHA date: 2017-08-04 00:00:00
- Process Hazard Analysis: What if
- Expected PHA changes completion date: 2017-08-14 00:00:00
- Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
- Process Control: Relief valves, Check valves, Automatic shutoffs
- Mitigation Systems: None
- Monitoring/Detection: None
- Changes since the last process hazard analysis: No changes since last PHA
- Most recent review of op. procedures: 2018-01-23 00:00:00
- Most recent training progs review/update: 2018-05-03 00:00:00
- Training: Classroom
- Competency testing: Demonstration, Observation
- Most recent maintenance review date: 2017-08-04 00:00:00
- Most recent equipment inspection date: 2017-08-04 00:00:00
- Equipment tested: Gas Chlorine Regulator
- Most recent changes by mgmt: 2017-08-04 00:00:00
- Date of most recent review/update: 2017-08-04 00:00:00
- Date of pre-start review: 2017-08-04 00:00:00
- Most recent compliance audit date: 2017-04-20 00:00:00
- Expected date of audit completion: 2017-04-20 00:00:00
- Most recent incident investigation: Not reported
- Expected date of investigation changes: Not reported
- Date of participation plan review: 2017-08-04 00:00:00
- Date of hot work permit review: 2017-08-04 00:00:00
- Date of contractor safety review: 2017-08-04 00:00:00
- Date of contractor safety eval. review: 2017-08-04 00:00:00
- Record has CBI data: False

Process Chemicals:
- Chemical name: Public OCA Chemical
- Process chemical qty in 100s lbs: 0

Toxics Worst Case:
- Percent weight of chemical: 99
- Physical state: c
- Analytical basic: EPA’s RMP*Comp(TM)
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: 10
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: 1.5
- Stability class: F
- Topography: b
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported

- Chemical name: Chlorine
- Process chemical qty in 100s lbs: 4000

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Facility ID:	1000077194
Name:	KERN COUNTY RANCH - KERN LAKE
Address:	27865 ASH ROAD
Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93311
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.137810
Facility decimal longitude:	-119.066670
Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Charlie Riddle
Emergency contact title:	Ranch Manager
Emergency contact telephone:	6613303054
24 hour emergency telephone:	6613303054
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2018-08-01 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2019-03-25 00:00:00
Date of error Report:	Not reported
Date RMP received:	2019-03-25 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Does RMP contain electronic waiver: False
Date RMP postmarked: 2019-03-25 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2024-03-25 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: Not reported
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: 2017-08-04 00:00:00
ER plan most recent employee training date: 2017-08-15 00:00:00
Local agency coordinating ER plan: KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency: 6618628757
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: False
Other Regulations: Not reported

Processes:
Process ID: 1000096075
Optional facility description: Kern Lake Yard
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2019-03-13 00:00:00
Most recent PHA date: 2019-03-13 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2019-03-13 00:00:00
Major Hazard: Toxic Release, Fire, Overpressurization, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2019-03-13 00:00:00
Most recent training progs review/update: 2018-05-03 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2018-11-06 00:00:00
Date of most recent review/update: 2018-11-06 00:00:00
Date of pre-start review: 2019-03-13 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Most recent compliance audit date:	2019-03-13 00:00:00
Expected date of audit completion:	2019-03-13 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00
Date of contractor safety review:	2017-08-04 00:00:00
Date of contractor safety eval. review:	2017-08-04 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	20000

Process ID:	1000096076
Optional facility description:	Paloma Station (South)
Program level:	3

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2019-03-13 00:00:00
Most recent PHA date: 2019-03-13 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2019-03-13 00:00:00
Major Hazard: Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2019-03-13 00:00:00
Most recent training progs review/update: 2018-05-03 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2017-08-04 00:00:00
Most recent equipment inspection date: 2017-08-04 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2018-11-06 00:00:00
Date of most recent review/update: 2018-11-06 00:00:00
Date of pre-start review: 2019-03-13 00:00:00
Most recent compliance audit date: 2019-03-13 00:00:00
Expected date of audit completion: 2019-03-13 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2017-08-04 00:00:00
Date of hot work permit review: 2017-08-04 00:00:00
Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA’s RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Chemical name:	Chlorine
Process chemical qty in 100s lbs:	6000
Process ID:	1000096077
Optional facility description:	Paloma Station (North)
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2019-03-13 00:00:00
Most recent PHA date:	2019-03-13 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-03-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-03-13 00:00:00
Most recent training progs review/update:	2018-05-03 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2017-08-04 00:00:00
Most recent equipment inspection date:	2017-08-04 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-03-13 00:00:00
Expected date of audit completion:	2019-03-13 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2017-08-04 00:00:00
Date of hot work permit review:	2017-08-04 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Date of contractor safety review: 2017-08-04 00:00:00
Date of contractor safety eval. review: 2017-08-04 00:00:00
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Chemical name: Chlorine
Process chemical qty in 100s lbs: 6000

Facility ID: 1000083439
Name: KERN COUNTY RANCH - KERN LAKE
Address: 27865 ASH ROAD
Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 93311
LEPC city: Region 5 LEPC Inland South
Facility decimal latitude: 35.137810
Facility decimal longitude: -119.066670

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Is facility in county box:	F
LatLong method:	I4
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	J.G. Boswell Company
Partners name:	Kern County Ranches
Parents DUNS #:	9109679
Partners DUNS #:	0
Operators name:	J.G. Boswell Company
Operators telephone:	5599922141
Operators address:	710 Bainum Ave
Operators address2:	P.O. Box 457
Operators City,St,Zip:	Corcoran, CA 93212
RMP implementation contact:	Jose Cantu
RMP contact title:	Safety Officer
Emergency contact:	Charlie Riddle
Emergency contact title:	Ranch Manager
Emergency contact telephone:	6613303054
24 hour emergency telephone:	6613303054
Emergency contact ext/pin #:	Not reported
Number of full time employees:	17
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000227792
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2019-02-19 00:00:00
Inspected by:	CUPA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner’s address:	Not reported
Foreign owner’s zip:	Not reported
Foreign owner’s country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2019-11-04 00:00:00
Date of error Report:	Not reported
Date RMP received:	2019-11-04 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	False
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2019-11-04 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2024-11-04 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

RMP version #: Not reported
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: KCEHD - Public Health Services Dep.
Telephone of the coordinating local agency: 6618628757
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000104287
Optional facility description: Kern Lake Yard
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2019-03-13 00:00:00
Most recent PHA date: 2019-03-13 00:00:00
Process Hazard Analysis: What if
Expected PHA changes completion date: 2019-05-13 00:00:00
Major Hazard: Toxic Release, Fire, Overpressurization, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control: Relief valves, Check valves, Automatic shutoffs
Mitigation Systems: None
Monitoring/Detection: None
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2019-02-28 00:00:00
Most recent training progs review/update: 2019-04-05 00:00:00
Training: Classroom
Competency testing: Demonstration, Observation
Most recent maintenance review date: 2019-02-28 00:00:00
Most recent equipment inspection date: 2019-02-28 00:00:00
Equipment tested: Gas Chlorine Regulator
Most recent changes by mgmt: 2018-11-06 00:00:00
Date of most recent review/update: 2018-11-06 00:00:00
Date of pre-start review: 2019-03-13 00:00:00
Most recent compliance audit date: 2019-08-08 00:00:00
Expected date of audit completion: 2019-09-08 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2019-02-28 00:00:00
Date of hot work permit review: 2019-02-28 00:00:00
Date of contractor safety review: 2019-02-28 00:00:00
Date of contractor safety eval. review: 2019-02-28 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 99
Physical state: a
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Toxics Worst Case:
Percent weight of chemical: 99
Physical state: c
Analytical basic: EPA's RMP*Comp(TM)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Chemical name: Chlorine
Process chemical qty in 100s lbs: 20000

Process ID: 1000104288
Optional facility description: Paloma Station (South)
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: All Other Crop Farming

Prevention Program 3:
Safety review date: 2019-03-13 00:00:00
Most recent PHA date: 2019-03-13 00:00:00

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-05-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery.
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-02-28 00:00:00
Most recent training progs review/update:	2019-04-05 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2019-02-28 00:00:00
Most recent equipment inspection date:	2019-02-28 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-08-08 00:00:00
Expected date of audit completion:	2019-09-08 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2019-02-28 00:00:00
Date of hot work permit review:	2019-02-28 00:00:00
Date of contractor safety review:	2019-02-28 00:00:00
Date of contractor safety eval. review:	2019-02-28 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Chemical name:	Chlorine
Process chemical qty in 100s lbs:	6000
Process ID:	1000104289
Optional facility description:	Paloma Station (North)
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	All Other Crop Farming

Prevention Program 3:

Safety review date:	2019-03-13 00:00:00
Most recent PHA date:	2019-03-13 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2019-05-13 00:00:00
Major Hazard:	Toxic Release, Fire, Equipment failure, Earthquake, Ton cylinder dropped during delivery
Process Control:	Relief valves, Check valves, Automatic shutoffs
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-02-28 00:00:00
Most recent training progs review/update:	2019-04-05 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2019-02-28 00:00:00
Most recent equipment inspection date:	2019-02-28 00:00:00
Equipment tested:	Gas Chlorine Regulator
Most recent changes by mgmt:	2018-11-06 00:00:00
Date of most recent review/update:	2018-11-06 00:00:00
Date of pre-start review:	2019-03-13 00:00:00
Most recent compliance audit date:	2019-08-08 00:00:00
Expected date of audit completion:	2019-08-08 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2019-02-28 00:00:00
Date of hot work permit review:	2019-02-28 00:00:00
Date of contractor safety review:	2019-02-28 00:00:00
Date of contractor safety eval. review:	2019-02-28 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

KERN COUNTY RANCH - KERN LAKE TIME ROOM (Continued) **1017426424**

Toxics Alt Releases:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	99
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	6000

L59 **KERN COUNTY RANCH - KERN LAKE** **FINDS** **1017721585**
NNW **27865 ASH ROAD** **N/A**
> 1 **BAKERSFIELD, CA 93311**
2.685 mi.
14179 ft. **Site 2 of 2 in cluster L**

Relative:
Lower

Actual:
0 ft.

FINDS:
Registry ID: 110062901123

Click Here:

Environmental Interest/Information System:
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

KERN COUNTY RANCH - KERN LAKE (Continued) **1017721585**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M60 **V AND C FARMS** **FINDS** **1023239388**
SE **8502 VALPREDO RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.912 mi.
15373 ft. **Site 1 of 7 in cluster M**

Relative:
Higher

Actual:
432 ft.

FINDS:
Registry ID: 110065270888

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M61 **V & C FARMS** **UST** **U004112470**
SE **8502 VALPREDO RD** **N/A**
> 1 **BAKERSFIELD, CA**
2.912 mi.
15373 ft. **Site 2 of 7 in cluster M**

Relative:
Higher

Actual:
432 ft.

KERN CO. UST:

Name:	V & C FARMS
Address:	8502 VALPREDO RD
City:	BAKERSFIELD
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	330172
Owner Name:	V & C FARMS
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

M62 **WATTS FARMING CO** **CUPA Listings** **S126138866**
SE **8502 VALPREDO RD** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.912 mi.
15373 ft. **Site 3 of 7 in cluster M**

Relative:
Higher

Actual:
432 ft.

KERN CO CUPA:

Facility ID:	FA0001198
CERS ID:	10232098
Name:	WATTS FARMING CO
Address:	8502 VALPREDO RD
Address 2:	8502 VALPREDO RD
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN MED LOW RISK 1 UNIT
Program Element Code:	CB2T
HMIRRP Due Date:	10/31
Current Inspection Date:	12/01/2022
Employee:	Elfstrom
Mailing Address:	3559 Allen Rd, Ste 103
Mailing Address 2:	Not reported
Mailing City:	Bakersfield
Mailing State:	CA
Mailing Zip:	93314

CERS:

Name:	WATTS FARMING CO
Address:	8502 VALPREDO RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	405233
CERS ID:	10232098
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 06/18/2014. Provide active EPA ID number to CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS Training Plan.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

WATTS FARMING CO (Continued) **S126138866**

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 05/29/2014. Properly label Drained Used Oil Filters drum and Waste Oil drum according to their contents, and mark accumulation start date on them. Improperly labeled Drained Used Oil Filters drum and Waste Oil drum were observed at the time of inspection. Send pictures as proof of compliance to iwuchukwuc@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS hazardous material inventory forms for all reportable hazardous materials on site: Waste Oil (110 gallons), Propane (873 gallons), Diesel (9000 gallons), Lubricating Oil (110 gallons), Motor Oil (55 gallons), Drained Used Oil Filters (55 gallons), Oxygen (250 cubic feet), and Acetylene (200 cubic feet)
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	22 CCR 12 66262.34(b)(1) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(b)(1)
Violation Description:	Failure to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 05/29/2014. Hazardous waste stored on site had been accumulated for over a year without disposal, and more than 110 gallons of hazardous waste were observed at the time of inspection. Always dispose hazardous waste after the first 27-gallon threshold amount was accumulated within a 90 day period, under conditionally exempt hazardous waste generator. Send manifest or receipt of hazardous waste shipment to iwuchukwuc@co.kern.ca.us.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)

WATTS FARMING CO (Continued) **S126138866**

Violation Description:	Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS Emergency Response/Contingency Plan.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	12-19-2016
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 12/22/2016. OBSERVATION: Failure to remove the drained/used oil filters within the one year from starting accumulation date. The last time the filters were picked up was on 09/23/2015. ***CORRECTIVE ACTION: Contact your hazardous waste hauler to remove the filters and fax a copy of the manifest to (661) 862-8701. Ensure that on the title page, it is addressed to Evie Shamoon.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes:	Returned to compliance on 05/29/2014. Inspect hazardous waste storage areas on a weekly basis. Send pictures as proof of compliance to iwuchukwuc@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS Site Map that shows storage location of all hazardous materials/wastes.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2020
Violations Found:	No
Eval Type:	Routine done by local agency

WATTS FARMING CO (Continued) **S126138866**

Eval Notes: close out of the facility V and C farms is no longer in operation. Watts Farms now owns the property and a notice of violation was issued for not having a permit.
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: close out of the facility V and C farms is no longer in operation. Watts Farms now owns the property and a notice of violation was issued for not having a permit.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: close out of the facility V and C farms is no longer in operation. Watts Farms now owns the property and a notice of violation was issued for not having a permit.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

WATTS FARMING CO (Continued) **S126138866**

Eval Date: 12-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 405233
Site Name: Watts Farming Co
Site Address: 8502 VALPREDO RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 05-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 405233
Site Name: Watts Farming Co
Site Address: 8502 VALPREDO RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 05-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Coordinates:
Site ID: 405233
Facility Name: Watts Farming Co

WATTS FARMING CO (Continued) **S126138866**

Env Int Type Code: HMBP
Program ID: 10232098
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.076320
Longitude: -119.002750

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Melissa Hilvers
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3559 Allen Rd, Ste 103
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93314
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Barry Watts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 735-5076

Affiliation Type Desc: Legal Owner
Entity Name: Barry Watts
Entity Title: Not reported
Affiliation Address: 3559 Allen Rd, Ste 103
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93314
Affiliation Phone: (661) 735-5076

WATTS FARMING CO (Continued) **S126138866**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Melissa Hilvers
Entity Title:	Not reported
Affiliation Address:	3559 Allen Rd, Ste 103
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93314
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Melissa Hilvers
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Watts Farming
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M63 **V AND C FARMS** **AST** **A100425697**
SE **8502 VALPREDO RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.912 mi.
15373 ft. **Site 4 of 7 in cluster M**

Relative:
Higher

Actual:
432 ft.

AST:

Name:	V AND C FARMS
Address:	8502 VALPREDO RD
City/Zip:	BAKERSFIELD,93313
Certified Unified Program Agencies:	Not reported
Owner:	STEVEN CERRINA
Total Gallons:	Not reported
CERSID:	10232098
Facility ID:	Not reported
Business Name:	V AND C FARMS
Phone:	(661) 858-2400
Fax:	Not reported
Mailing Address:	8502 VALPREDO RD
Mailing Address City:	BAKERSFIELD
Mailing Address State:	CA
Mailing Address Zip Code:	93313
Operator Name:	STEVEN CERRINA
Operator Phone:	(661) 978-3092
Owner Phone:	(661) 831-5827
Owner Mail Address:	8502 VALPREDO RD
Owner State:	CA

V AND C FARMS (Continued) **A100425697**

Owner Zip Code:	93313
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000251485

M64 **WATTS FARMING CO** **CERS HAZ WASTE** **S121776711**
SE **8502 VALPREDO RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.912 mi.
15373 ft. **Site 5 of 7 in cluster M**

Relative: **Higher**
Actual: **432 ft.**

CERS HAZ WASTE:

Name:	WATTS FARMING CO
Address:	8502 VALPREDO RD
City,State,Zip:	BAKERSFIELD, CA 93313
Site ID:	405233
CERS ID:	10232098
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 06/18/2014. Provide active EPA ID number to CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS Training Plan.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and

WATTS FARMING CO (Continued) **S121776711**

	fuel filters.
Violation Notes:	Returned to compliance on 05/29/2014. Properly label Drained Used Oil Filters drum and Waste Oil drum according to their contents, and mark accumulation start date on them. Improperly labeled Drained Used Oil Filters drum and Waste Oil drum were observed at the time of inspection. Send pictures as proof of compliance to iwuchukwuc@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS hazardous material inventory forms for all reportable hazardous materials on site: Waste Oil (110 gallons), Propane (873 gallons), Diesel (9000 gallons), Lubricating Oil (110 gallons), Motor Oil (55 gallons), Drained Used Oil Filters (55 gallons), Oxygen (250 cubic feet), and Acetylene (200 cubic feet)
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	22 CCR 12 66262.34(b)(1) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(b)(1)
Violation Description:	Failure to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 05/29/2014. Hazardous waste stored on site had been accumulated for over a year without disposal, and more than 110 gallons of hazardous waste were observed at the time of inspection. Always dispose hazardous waste after the first 27-gallon threshold amount was accumulated within a 90 day period, under conditionally exempt hazardous waste generator. Send manifest or receipt of hazardous waste shipment to iwuchukwuc@co.kern.ca.us.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	405233
Site Name:	Watts Farming Co
Violation Date:	05-07-2014
Citation:	HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description:	Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes:	Returned to compliance on 06/18/2014. Complete and submit to CERS Emergency Response/Contingency Plan.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP

WATTS FARMING CO (Continued) **S121776711**

Violation Source: CERS

Site ID: 405233
Site Name: Watts Farming Co
Violation Date: 12-19-2016
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 12/22/2016. OBSERVATION: Failure to remove the drained/used oil filters within the one year from starting accumulation date. The last time the filters were picked up was on 09/23/2015. ***CORRECTIVE ACTION: Contact your hazardous waste hauler to remove the filters and fax a copy of the manifest to (661) 862-8701. Ensure that on the title page, it is addressed to Evie Shamoon.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405233
Site Name: Watts Farming Co
Violation Date: 05-07-2014
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 05/29/2014. Inspect hazardous waste storage areas on a weekly basis. Send pictures as proof of compliance to iwuchukwuc@co.kern.ca.us
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 405233
Site Name: Watts Farming Co
Violation Date: 05-07-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 06/18/2014. Complete and submit to CERS Site Map that shows storage location of all hazardous materials/wastes.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: close out of the facility V and C farms is no longer in operation. Watts Farms now owns the property and a notice of violation was issued for not having a permit.
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

WATTS FARMING CO (Continued) **S121776711**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	close out of the facility V and C farms is no longer in operation. Watts Farms now owns the property and a notice of violation was issued for not having a permit.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	close out of the facility V and C farms is no longer in operation. Watts Farms now owns the property and a notice of violation was issued for not having a permit.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

WATTS FARMING CO (Continued) **S121776711**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 405233
Site Name: Watts Farming Co
Site Address: 8502 VALPREDO RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 05-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 405233
Site Name: Watts Farming Co
Site Address: 8502 VALPREDO RD
Site City: BAKERSFIELD
Site Zip: 93313
Enf Action Date: 05-07-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Coordinates:
Site ID: 405233
Facility Name: Watts Farming Co
Env Int Type Code: HMBP
Program ID: 10232098
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.076320
Longitude: -119.002750

WATTS FARMING CO (Continued) **S121776711**

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Melissa Hilvers
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3559 Allen Rd, Ste 103
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93314
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Barry Watts
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 735-5076

Affiliation Type Desc:	Legal Owner
Entity Name:	Barry Watts
Entity Title:	Not reported
Affiliation Address:	3559 Allen Rd, Ste 103
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93314
Affiliation Phone:	(661) 735-5076

Affiliation Type Desc:	Environmental Contact
Entity Name:	Melissa Hilvers
Entity Title:	Not reported
Affiliation Address:	3559 Allen Rd, Ste 103
Affiliation City:	Bakersfield
Affiliation State:	CA

WATTS FARMING CO (Continued) **S121776711**

Affiliation Country:	Not reported
Affiliation Zip:	93314
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Melissa Hilvers
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Watts Farming
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

M65 **V AND C FARMS** **AST** **A100176772**
SE **8502 VALPREDO** **N/A**
> 1 **BAKERSFIELD, CA**
2.912 mi.
15373 ft. **Site 6 of 7 in cluster M**

Relative: **Higher**

Actual: **432 ft.**

AST:

Name:	V AND C FARMS
Address:	8502 VALPREDO
City/Zip:	BAKERSFIELD,
Certified Unified Program Agencies:	Kern
Owner:	STEVEN CERRINA
Total Gallons:	9,610
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported

V AND C FARMS (Continued) **A100176772**

Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

M66 **V & C FARMS** **CA FID UST** **S101582393**
SE **8502 VALPERDO RD** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.912 mi.
15373 ft. **Site 7 of 7 in cluster M**

Relative: Higher
Actual: 432 ft.

CA FID UST:
Facility ID: 15004609
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8058582400
Mail To: Not reported
Mailing Address: 8502 VALPERDO RD
Mailing Address 2: Not reported
Mailing City,St,Zip: BAKERSFIELD 93313
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

N67 **EXXONMOBIL OIL CORP - WEST COAST** **DOT OPS** **1024107282**
SSW **N/A**
> 1 **BAKERSFIELD, CA 93307**
2.929 mi.
15467 ft. **Site 1 of 5 in cluster N**

Relative: Higher
Actual: 420 ft.

DOT OPS:
Name: EXXONMOBIL OIL CORP - WEST COAST
Address: Not reported
City,State,Zip: BAKERSFIELD, CA 93313

Hazardous Liquid 2010 - Present:
Incident Yr: 2013
Supplemental Number: 18796
Report Type: SUPPLEMENTAL FINAL
Operator ID: 26134
Name: EXXONMOBIL OIL CORP - WEST COAST
Operator Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY E3.5A.608
Operator City Name: SPRING
Operator State: TX
Operator Zip Code: 77389
Local Date/Time: 6/14/2013 9:15
Commodity Released Type: CRUDE OIL
Unintentional Release BBLS: 15.5
Intentional Release BBLS: Not reported
Volume Recovered BBLS: 15.5
Pipe Facility Type: INTRASTATE

EXXONMOBIL OIL CORP - WEST COAST (Continued) **1024107282**

Release Type: OVERFILL OR OVERFLOW
Release Type Details: Not reported

Name: EXXONMOBIL OIL CORP - WEST COAST
Address: Not reported
City,State,Zip: BAKERSFIELD, CA 93307

Hazardous Liquid 2010 - Present:
Incident Yr: 2019
Supplemental Number: 32954
Report Type: ORIGINAL
Operator ID: 26134
Name: EXXONMOBIL OIL CORP - WEST COAST
Operator Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY E3.5A.608
Operator City Name: SPRING
Operator State: TX
Operator Zip Code: 77389
Local Date/Time: 10/19/2019 17:22
Commodity Released Type: CRUDE OIL
Unintentional Release BBLS: 2
Intentional Release BBLS: Not reported
Volume Recovered BBLS: 2
Pipe Facility Type: INTRASTATE
Release Type: LEAK
Release Type Details: Not reported

Click this hyperlink while viewing on your computer to access additional DOT OPS: detail in the EDR Site Report.

N68 **TORRANCE VALLEY PIPELINE COMPANY LLC** **DOT OPS** **1024101288**
SSW **N/A**
> 1 **BAKERSFIELD, CA 93301**
2.972 mi.
15691 ft. **Site 2 of 5 in cluster N**

Relative:
Higher

Actual:
425 ft.

DOT OPS:
Name: EQUILON PIPELINE COMPANY LLC
Address: Not reported
City,State,Zip: BAKERSFIELD, CA 93301

Hazardous Liquid 2002 - 2009:
Incident Yr: 2002
Operator ID: 31174
Owner Operator ID: Not reported
Name: EQUILON PIPELINE COMPANY LLC
Operator Address: 777 WALKER STREET
Operator City: HOUSTON
Operator County: HARRIS
Operator State: TX
Operator Zip: 77002
Incident Date: 5/20/2002
Commodity Spilled: YES
Commodity Spilled Desc: CRUDE OIL
Est. Amt. Commodity Invl Desc: GALLONS
Amount Spilled: 10
Amount Recovered: 0
Leak or Rupture Type Desc: Not reported

TORRANCE VALLEY PIPELINE COMPANY LLC (Continued) **1024101288**

Narrative: Not reported

Name: TORRANCE VALLEY PIPELINE COMPANY LLC
Address: Not reported
City,State,Zip: BAKERSFIELD, CA 93301

Hazardous Liquid 2010 - Present:
Incident Yr: 2019
Supplemental Number: 32670
Report Type: SUPPLEMENTAL FINAL
Operator ID: 39534
Name: TORRANCE VALLEY PIPELINE COMPANY LLC
Operator Street Address: 1 SYLVAN WAY 2ND FLOOR
Operator City Name: PARSIPPANY
Operator State: NJ
Operator Zip Code: 7054
Local Date/Time: 4/13/2019 18:42
Commodity Released Type: CRUDE OIL
Unintentional Release BBLS: 27.75
Intentional Release BBLS: Not reported
Volume Recovered BBLS: 27.75
Pipe Facility Type: INTRASTATE
Release Type: LEAK
Release Type Details: Not reported

Click this hyperlink while viewing on your computer to access additional DOT OPS: detail in the EDR Site Report.

N69 **TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO** **CERS HAZ WASTE** **S121739719**
SSW **1751 CHRIS HEER TRAIL RD** **CUPA Listings** **N/A**
> 1 **BAKERSFIELD, CA 93313** **CERS**
2.976 mi.
15713 ft. **Site 3 of 5 in cluster N**

Relative:
Higher

Actual:
426 ft.

CERS HAZ WASTE:
Name: TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO
Address: 1751 CHRIS HEER TRAIL RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 115476
CERS ID: 10230841
CERS Description: Hazardous Waste Generator

Name: TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO
Address: 1751 CHRIS HEER TRAIL RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 115476
CERS ID: 10230841
CERS Description: RCRA LQ HW Generator

KERN CO CUPA:
Facility ID: FA0000204
CERS ID: 10230841
Name: TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO
Address: 1751 CHRIS HEER TRAIL RD
Address 2: 1751 CHRIS HEER TRAIL RD

TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO (Continued) **S121739719**

City,State,Zip: BAKERSFIELD, CA
Billing Status: Active, billable
Program Element: BUS PLAN LARGE LOW RISK 1 UNIT
Program Element Code: CB3T
HMIRRP Due Date: 12/31
Current Inspection Date: 12/01/2020
Employee: Elfstrom
Mailing Address: 1751 CHRIS HEER TRAIL RD
Mailing Address 2: Not reported
Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 93313

CERS:
Name: TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO
Address: 1751 CHRIS HEER TRAIL RD
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 115476
CERS ID: 10230841
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Scott Hedlund
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO (Continued) **S121739719**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Torrance Valley Pipeline Company LLC
Entity Title:	Not reported
Affiliation Address:	12851 E 166th St
Affiliation City:	Cerritos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90703
Affiliation Phone:	(310) 212-4374
Affiliation Type Desc:	Operator
Entity Name:	Torrance Logistics Company LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 763-7602
Affiliation Type Desc:	Parent Corporation
Entity Name:	Torrance Valley Pipeline Company LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Scott Hedlund
Entity Title:	Field Regulatory Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1751 CHRIS HEER TRAIL RD
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300

TORRANCE VALLEY PIPELINE COMPANY LLC - EMIDIO (Continued) **S121739719**

Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	Scott Hedlund
Entity Title:	Not reported
Affiliation Address:	1001 W. ASH ST.
Affiliation City:	TAFT
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93268
Affiliation Phone:	Not reported

N70 **EXXONMOBIL OIL CORP - EMIDIO** **AST** **A100339263**
SSW **1751 CHRIS HEER TRAIL** **N/A**
> 1 **BAKERSFIELD, CA**
2.976 mi.
15714 ft. **Site 4 of 5 in cluster N**

Relative: **Higher**
Actual: **426 ft.**

AST:

Name:	EXXONMOBIL OIL CORP - EMIDIO
Address:	1751 CHRIS HEER TRAIL
City/Zip:	BAKERSFIELD,
Certified Unified Program Agencies:	Kern
Owner:	EXXONMOBIL OIL CORPORATION
Total Gallons:	11,478,180
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

N71
SSW
> 1
2.976 mi.
15714 ft.

EMIDIO PUMP STATION — **FINDS** — **1023348431**
1751 CHRIS HEER — **N/A**
BAKERSFIELD, CA 93313

Site 5 of 5 in cluster N

Relative:
Higher

Actual:
426 ft.

FINDS:
Registry ID: 110066445804

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

O72
NW
> 1
2.983 mi.
15749 ft.

TIME ROOM — **FINDS** — **1017456039**
1/2 MI. SO. OF HERRING RD — **N/A**
BAKERSFIELD, CA 93312

Site 1 of 2 in cluster O

Relative:
Lower

Actual:
0 ft.

FINDS:
Registry ID: 110023011033

Click Here:

Environmental Interest/Information System:
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

O73
NW
> 1
2.983 mi.
15749 ft.

TIME ROOM — **RMP** — **1012126603**
1/2 MI. SO. OF HERRING RD — **N/A**
BAKERSFIELD, CA 93312

Site 2 of 2 in cluster O

Relative:
Lower

Actual:
0 ft.

RMP:

Facility ID:	1000044070
Name:	TIME ROOM
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	BAKERSFIELD, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.138369
Facility decimal longitude:	-119.075704
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Co., Inc.
Partners name:	Not reported

TIME ROOM (Continued) **1012126603**

Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donald Houchin
Operators telephone:	6613234744
Operators address:	P.O. Box 98
Operators City,St,Zip:	Buttonwillow, CA 93206
RMP implementation contact:	Tim Hayes
RMP contact title:	Safety Director
Emergency contact:	Pat O'Tool
Emergency contact title:	Yard Supervisor
Emergency contact telephone:	6618313416
24 hour emergency telephone:	6613032651
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2013-10-18 00:00:00
Inspected by:	State environmental agency
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-06-25 00:00:00
Date of error Report:	Not reported
Date RMP received:	2014-06-25 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2014-06-25 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2019-06-25 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.0
FRS latitude:	Not reported
FRS longitude:	Not reported
FRS Description:	Not reported
FRS Method:	Not reported

Accident History:

Accident History ID:	1000034306
facid:	1000044070
Accident Date:	2013-11-16 00:00:00
Accident Time:	0400

TIME ROOM (Continued) **1012126603**

NAICS code:	49313
Accident release duration:	00001
Release Event:	Spill
Release Source:	Transfer Hose
Wind speed:	Not reported
Wind speed units:	Not reported
Wind direction:	Not reported
Temperature:	Not reported
Stability class:	Not reported
Precipitation was present:	False
Weather was unknown:	True
Num. of on-site workers killed:	0
Num. of responders killed:	0
Num. of public deaths:	0
Num. of on-site workers injured:	1
Num. of responders injured:	0
Num. of public injured:	0
Property damage in dollars:	0
Num. of on-site deaths:	0
Num. of hospitalizations:	0
Num. of other medical treatments:	0
Num. of evacuated:	0
Num. of sheltered in place:	0
Off-site property damage in dollars:	0
Environmental damage:	Not reported
Initiating event:	b
Contributing factor:	Human error, Improper procedure
Were offsite responders notified:	No, not notified
Changes Made:	Revised training, Revised operating procedure
Record contains CBI data:	False

Accident Chemicals:

Chemical released:	Ammonia (anhydrous)
Quantity of chemical released in pounds:	1
Percent weight of chemical released:	100

Emergency Responses:

ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	6613917000
Federal regulation:	True
OSHA 1910 120:	True
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	1000054441
Optional facility description:	Anhydrous Ammonia
Program level:	3
Record contains CBI data:	False

Process NAICS:

TIME ROOM (Continued) **1012126603**

NAICS code description: Farm Product Warehousing and Storage Facilities

Prevention Program 3:

Safety review date:	2014-05-16 00:00:00
Most recent PHA date:	2014-06-03 00:00:00
Process Hazard Analysis:	What if checklist
Expected PHA changes completion date:	2014-12-31 00:00:00
Major Hazard:	Toxic Release, Fire, Overpressurization, Overfilling, Contamination, Equipment failure, Earthquake
Process Control:	Relief valves, Manual shutoffs, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	Install process control
Most recent review of op. procedures:	2014-06-10 00:00:00
Most recent training progs review/update:	2014-05-16 00:00:00
Training:	Classroom
Competency testing:	Demonstration, Observation
Most recent maintenance review date:	2014-05-16 00:00:00
Most recent equipment inspection date:	2014-05-16 00:00:00
Equipment tested:	Changed oil in compressor
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2014-05-16 00:00:00
Date of pre-start review:	Not reported
Most recent compliance audit date:	2013-03-07 00:00:00
Expected date of audit completion:	2013-12-31 00:00:00
Most recent incident investigation:	2013-11-16 00:00:00
Expected date of investigation changes:	2013-12-31 00:00:00
Date of participation plan review:	2014-05-16 00:00:00
Date of hot work permit review:	2014-05-16 00:00:00
Date of contractor safety review:	2014-05-16 00:00:00
Date of contractor safety eval. review:	Not reported
Record has CBI data:	False

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	82000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

TIME ROOM (Continued) **1012126603**

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Facility ID:	1000080602
Name:	TIME ROOM
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	BAKERSFIELD, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.138369
Facility decimal longitude:	-119.075704
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Company
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Buttonwillow Warehouse Company
Operators telephone:	6616956500
Operators address:	3430 Unicorn Road
Operators City,St,Zip:	Bakersfield, CA 93308
RMP implementation contact:	Tim Hayes
RMP contact title:	Safety Director
Emergency contact:	Tom Adame
Emergency contact title:	Facility Manager
Emergency contact telephone:	6618313416
24 hour emergency telephone:	6618521279
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported

TIME ROOM (Continued) **1012126603**

Last safety insp. dat: 2016-02-17 00:00:00
Inspected by: EPA
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2019-06-24 00:00:00
Date of error Report: Not reported
Date RMP received: 2019-06-24 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2019-06-24 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2024-06-24 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.0
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: Kern County Fire Department
Telephone of the coordinating local agency: 6613917000
Federal regulation: True
OSHA 1910 120: True
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000100708
Optional facility description: Anhydrous Ammonia
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Farm Product Warehousing and Storage Facilities

Prevention Program 3:
Safety review date: 2019-01-31 00:00:00

TIME ROOM (Continued) **1012126603**

Most recent PHA date:	2019-01-31 00:00:00
Process Hazard Analysis:	What if checklist
Expected PHA changes completion date:	2020-02-29 00:00:00
Major Hazard:	Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake
Process Control:	Relief valves, Manual shutoffs, Automatic shutoffs, Alarms, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	None
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-03-25 00:00:00
Most recent training progs review/update:	2019-06-12 00:00:00
Training:	Classroom
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2019-06-12 00:00:00
Most recent equipment inspection date:	2019-06-12 00:00:00
Equipment tested:	E-Stop Checklist
Most recent changes by mgmt:	2016-03-31 00:00:00
Date of most recent review/update:	2019-06-12 00:00:00
Date of pre-start review:	2016-03-31 00:00:00
Most recent compliance audit date:	2019-01-11 00:00:00
Expected date of audit completion:	2020-03-01 00:00:00
Most recent incident investigation:	2013-11-16 00:00:00
Expected date of investigation changes:	2013-12-31 00:00:00
Date of participation plan review:	2019-06-12 00:00:00
Date of hot work permit review:	2019-06-12 00:00:00
Date of contractor safety review:	2019-06-12 00:00:00
Date of contractor safety eval. review:	2019-03-08 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	100
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	100
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported

TIME ROOM (Continued) **1012126603**

Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	82000

Facility ID:	1000009241
Name:	TIME ROOM
Address:	1/2 MI. SO. OF HERRING RD
Address 2:	ON ASHE RD
City,State,Zip:	BAKERSFIELD, CA 93312
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.134194
Facility decimal longitude:	-119.068139
Is facility in county box:	T
LatLong method:	I1
LatLong description:	FC
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	Buttonwillow Warehouse Co., Inc.
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donald Houchin
Operators telephone:	6613234744
Operators address:	P.O. Box 98
Operators City,St,Zip:	Buttonwillow, CA 93206
RMP implementation contact:	Tim Hayes
RMP contact title:	Safety Director
Emergency contact:	Pat O'Tool
Emergency contact title:	Yard Supervisor
Emergency contact telephone:	6618313416
24 hour emergency telephone:	6613032651
Emergency contact ext/pin #:	Not reported
Number of full time employees:	0
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000188012
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2009-01-01 00:00:00
Inspected by:	Kern County Environmental and Health

TIME ROOM (Continued) **1012126603**

Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2009-06-26 00:00:00
Date of error Report: Not reported
Date RMP received: 2009-06-26 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2009-06-26 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2014-06-26 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.0
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Emergency Responses:
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: Kern County Fire Department
Telephone of the coordinating local agency: 6613917000
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000010828
Optional facility description: Anhydrous Ammonia
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Farm Product Warehousing and Storage Facilities

Prevention Program 3:
Safety review date: 2009-06-18 00:00:00
Most recent PHA date: 2009-06-18 00:00:00
Process Hazard Analysis: What if, HAZOP

TIME ROOM (Continued) **1012126603**

Expected PHA changes completion date:	Not reported
Major Hazard:	Toxic Release, Overfilling, Cooling loss, Earthquake
Process Control:	Relief valves, Manual shutoffs, Rupture disks, Excess flow device
Mitigation Systems:	None
Monitoring/Detection:	Perimeter monitors
Changes since the last process hazard analysis:	None required
Most recent review of op. procedures:	2009-06-16 00:00:00
Most recent training progs review/update:	2008-12-08 00:00:00
Training:	Classroom
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2009-06-19 00:00:00
Most recent equipment inspection date:	2009-06-19 00:00:00
Equipment tested:	Storage Tanks
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2009-06-17 00:00:00
Date of pre-start review:	Not reported
Most recent compliance audit date:	2009-06-25 00:00:00
Expected date of audit completion:	2009-06-25 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2009-06-17 00:00:00
Date of hot work permit review:	2009-06-17 00:00:00
Date of contractor safety review:	2009-06-16 00:00:00
Date of contractor safety eval. review:	Not reported
Record has CBI data:	False

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	87550
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported

TIME ROOM (Continued) **1012126603**

Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

P74 **KYLE L MCCLINTOCK** **PEST LIC** **S117636221**
SSW **10888 HWY 166** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.993 mi.
15803 ft. **Site 1 of 3 in cluster P**

Relative: **Higher**

Actual: **416 ft.**

PEST LIC:

Name:	KYLE L MCCLINTOCK
Address:	10888 HWY 166
City,State,Zip:	BAKERSFIELD, CA 93313
Facility Type:	PCA
Categories:	ABCEG
License No:	132674
Issued or Renewed Date:	01/01/2020
Expiration Date:	12/31/2021

Name:	KYLE L MCCLINTOCK
Address:	10888 HWY 166
City,State,Zip:	BAKERSFIELD, CA 93313
Facility Type:	QAL
Categories:	D
License No:	144910
Issued or Renewed Date:	01/01/2020
Expiration Date:	12/31/2021

P75 **SAN JOAQUIN FERTILIZER LLC** **CUPA Listings** **S121746405**
SSW **10888 HIGHWAY 166** **CERS** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.993 mi.
15803 ft. **Site 2 of 3 in cluster P**

Relative: **Higher**

Actual: **416 ft.**

KERN CO CUPA:

Facility ID:	FA0021445
CERS ID:	10236595
Name:	SAN JOAQUIN FERTILIZER LLC
Address:	10888 HIGHWAY 166
Address 2:	10888 HIGHWAY 166
City,State,Zip:	BAKERSFIELD, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN LARGE LOW RISK 1 UNIT
Program Element Code:	CB3T
HMIRRP Due Date:	10/31

SAN JOAQUIN FERTILIZER LLC (Continued) **S121746405**

Current Inspection Date: 12/01/2020
Employee: Elfstrom
Mailing Address: 10888 HIGHWAY 166
Mailing Address 2: Not reported
Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 93313

CERS:
Name: SAN JOAQUIN FERTILIZER LLC
Address: 10888 HIGHWAY 166
City,State,Zip: BAKERSFIELD, CA 93313
Site ID: 150555
CERS ID: 10236595
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 150555
Site Name: SAN JOAQUIN FERTILIZER LLC
Violation Date: 01-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/18/2018. THE LAST CERS SUBMISSION BY THE OPERATOR IS DATED IN 2016. IT IS REQUIRED THAT THE HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) IS REVIEWED AND CERTIFIED ON AN ANNUAL BASIS. PLEASE REVIEW AND CERTIFY THE HMBP TO ABATE THIS VIOLATION
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 150555
Facility Name: SAN JOAQUIN FERTILIZER LLC
Env Int Type Code: HMBP

SAN JOAQUIN FERTILIZER LLC (Continued) **S121746405**

Program ID: 10236595
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.060950
Longitude: -119.058380

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Document Preparer
Entity Name: Kyle McClintock
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Kyle McClintock
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 858-7323

Affiliation Type Desc: Parent Corporation
Entity Name: SAN JOAQUIN FERTILIZER LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Kyle McClintock
Entity Title: Not reported
Affiliation Address: 10888 HWY 166
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93313
Affiliation Phone: Not reported

SAN JOAQUIN FERTILIZER LLC (Continued) **S121746405**

Affiliation Type Desc:	Legal Owner
Entity Name:	SAN JOAQUIN FERTILIZER LLC
Entity Title:	Not reported
Affiliation Address:	10888 HWY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93313
Affiliation Phone:	(661) 858-2020

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10888 HIGHWAY 166
Affiliation City:	BAKERSFIELD
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93313
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Bill Cargill
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

P76 **SAN JOAQUIN FERTILIZER LLC** **FINDS** **1023315408**
SSW **10888 HIGHWAY 166** **N/A**
> 1 **BAKERSFIELD, CA 93313**
2.993 mi.
15803 ft. **Site 3 of 3 in cluster P**

Relative:
Higher

Actual:
416 ft.

FINDS:
Registry ID: 110066085827

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BAKERSFIELD	S107539655		OLD RIVER RD 1.5 N COPAS RD		CDL
KERN COUNTY	S107538894		I-5, 3 MILES NORTH GRAPEVINE		CDL
KERN COUNTY	S107539569		NORTH BOUND I-5 NEAR GRAPEVINE		CDL
KERN COUNTY	S107538048		CHP SCALES @ GRAPEVINE/SB I-5		CDL
KERN COUNTY	S107538271		DAWN RD, 0.5 MILE E OF HWY 14		CDL
KERN COUNTY	S107539576		NORTH I-5 AT 99 INTERCHANGE		CDL
KERN COUNTY	S107541011		VEH STOP: NB I-5 @ CALIF 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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/26/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/26/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

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: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
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: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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 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: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
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 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 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: 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 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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

CPS-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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

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: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/15/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 08/23/2021
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: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
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: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/19/2021
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

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

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

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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

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: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

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: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
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: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
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: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
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: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
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: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/13/2021
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: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 08/16/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 08/02/2021
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: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
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: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
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: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

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: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
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: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
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: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
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: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
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: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
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: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
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: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

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: 03/01/2021
Date Data Arrived at EDR: 03/04/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/09/2021
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
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: 02/08/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
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: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/07/2021
Number of Days to Update: 79

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
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: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/05/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
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: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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 boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Historical Auto 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 Historical 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:

CS ALAMEDA: 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: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/17/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 80

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: 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: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: 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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 03/11/2021
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/11/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: 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: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/21/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 79

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 01/08/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 72

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: 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: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

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

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/02/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

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

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/26/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: 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: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/01/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: 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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: 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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: 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: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: 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: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

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

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/06/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

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

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: 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: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: 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

LUST SANTA CLARA: 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: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/06/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 71

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: 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: 12/28/2020
Date Data Arrived at EDR: 01/29/2021
Date Made Active in Reports: 04/22/2021
Number of Days to Update: 83
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

LF VENTURA: 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: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: No Update Planned

LUST VENTURA: 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: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: 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: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/23/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 12
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/24/2021
Next Scheduled EDR Contact: 08/09/2021
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: 10/05/2020
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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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 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 and Wildlife
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

SANDRINI SOLAR SITE#2 E
INTERSTATE 5
BAKERSFIELD, CA 93313

TARGET PROPERTY COORDINATES

Latitude (North):	35.103028 - 35° 6' 10.90''
Longitude (West):	119.045344 - 119° 2' 43.24''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	313575.4
UTM Y (Meters):	3886184.8
Elevation:	321 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5639469 COAL OIL CANYON, CA
Version Date:	2012
North Map:	5639068 CONNER, CA
Version Date:	2012
Northeast Map:	5639208 WEED PATCH, CA
Version Date:	2012
Southeast Map:	5638958 METTLER, 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 principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

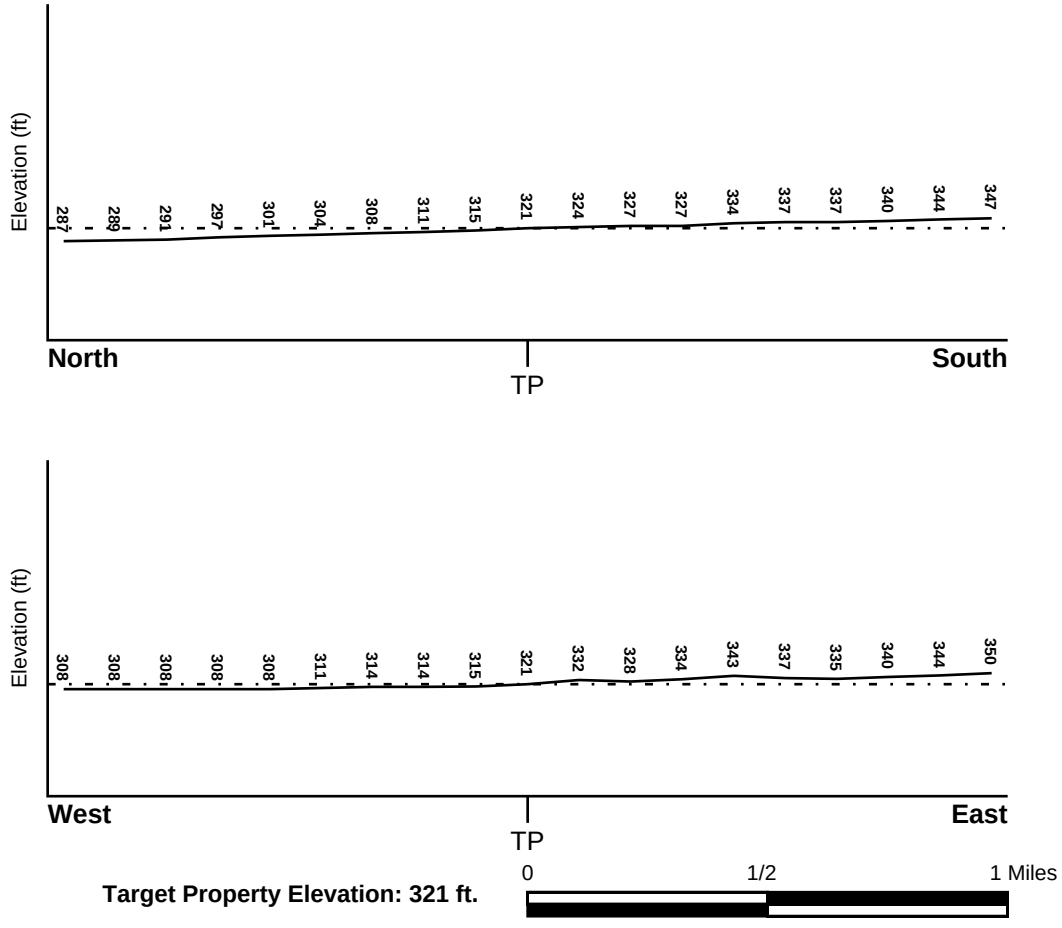
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06029C3125E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
COAL OIL CANYON	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).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name:	KIMBERLINA
Soil Surface Texture:	fine sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

OTHER SOIL TYPES IN AREA

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

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

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

Shallow Soil Types: loam
sand
loamy sand

Deeper Soil Types: clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	3.000
Federal FRDS PWS	Nearest PWS within 3.000 miles
State Database	3.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000160505	1/2 - 1 Mile SSE
A5	USGS40000160591	1/2 - 1 Mile West
A7	USGS40000160592	1/2 - 1 Mile West
B9	USGS40000160566	1/2 - 1 Mile East
C11	USGS40000160465	1/2 - 1 Mile SW
C13	USGS40000160466	1/2 - 1 Mile SW
D15	USGS40000160737	1/2 - 1 Mile North
D18	USGS40000160740	1/2 - 1 Mile North
E20	USGS40000160422	1 - 2 Miles SW
E21	USGS40000160423	1 - 2 Miles SW
F22	USGS40000160469	1 - 2 Miles SE
27	USGS40000160417	1 - 2 Miles SE
29	USGS40000160378	1 - 2 Miles South
30	USGS40000160483	1 - 2 Miles WSW
H31	USGS40000160588	1 - 2 Miles West
I34	USGS40000160358	1 - 2 Miles SSW
K40	USGS40000160799	1 - 2 Miles North
44	USGS40000160637	1 - 2 Miles ENE
L45	USGS40000160801	1 - 2 Miles NNE
46	USGS40000160355	1 - 2 Miles SSW
M48	USGS40000160804	1 - 2 Miles NNW
O52	USGS40000160336	1 - 2 Miles SSW
O55	USGS40000160334	1 - 2 Miles SSW
57	USGS40000160386	1 - 2 Miles SE
R60	USGS40000160802	1 - 2 Miles NNW
Q61	USGS40000160807	1 - 2 Miles NNE
P62	USGS40000160331	1 - 2 Miles SSE
P63	USGS40000160330	1 - 2 Miles SSE
N65	USGS40000160565	1 - 2 Miles East
S70	USGS40000160319	1 - 2 Miles SSE
U75	USGS40000160276	1 - 2 Miles South
78	USGS40000160476	1 - 2 Miles ESE
W81	USGS40000160491	1 - 2 Miles WSW
V82	USGS40000160368	1 - 2 Miles SE
W87	USGS40000160497	1 - 2 Miles WSW
X89	USGS40000160813	1 - 2 Miles NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z90	USGS40000160798	1 - 2 Miles NE
Y95	USGS40000160337	1 - 2 Miles SE
AB97	USGS40000160464	1 - 2 Miles ESE
AA102	USGS40000160787	1 - 2 Miles NE
AA103	USGS40000160788	1 - 2 Miles NE
AA104	USGS40000160789	1 - 2 Miles NE
AD110	USGS40000160275	1 - 2 Miles SSE
AC111	USGS40000160377	1 - 2 Miles SE
116	USGS40000160228	2 - 3 Miles South
120	USGS40000160343	2 - 3 Miles SW
AG122	USGS40000160223	2 - 3 Miles SSW
AH125	USGS40000160866	2 - 3 Miles North
AF126	USGS40000160640	2 - 3 Miles East
128	USGS40000160573	2 - 3 Miles East
131	USGS40000160490	2 - 3 Miles ESE
AJ135	USGS40000160311	2 - 3 Miles SW
AI136	USGS40000160771	2 - 3 Miles NE
AK141	USGS40000160274	2 - 3 Miles SE
AM149	USGS40000160633	2 - 3 Miles East
153	USGS40000160756	2 - 3 Miles ENE
AL154	USGS40000160859	2 - 3 Miles NNE
AO162	USGS40000160496	2 - 3 Miles ESE
163	USGS40000160189	2 - 3 Miles SSE
164	USGS40000160894	2 - 3 Miles North
165	USGS40000160385	2 - 3 Miles ESE
167	USGS40000160895	2 - 3 Miles NNW
AP168	USGS40000160908	2 - 3 Miles North
AQ170	USGS40000160725	2 - 3 Miles ENE
176	USGS40000160218	2 - 3 Miles SSE
178	USGS40000160416	2 - 3 Miles ESE
AS179	USGS40000160174	2 - 3 Miles South
180	USGS40000160858	2 - 3 Miles NE
181	USGS40000160283	2 - 3 Miles SE
AT182	USGS40000160166	2 - 3 Miles South
184	USGS40000160320	2 - 3 Miles SW
AU186	USGS40000160176	2 - 3 Miles SSE
AV193	USGS40000160222	2 - 3 Miles SE
AX196	USGS40000160167	2 - 3 Miles SSW
AY200	USGS40000160504	2 - 3 Miles East
205	USGS40000160517	2 - 3 Miles East
AZ207	USGS40000160152	2 - 3 Miles South
208	USGS40000160148	2 - 3 Miles South
BB211	USGS40000160198	2 - 3 Miles SW
BC218	USGS40000160646	2 - 3 Miles West
BC219	USGS40000160645	2 - 3 Miles West
BC220	USGS40000160648	2 - 3 Miles West
BC221	USGS40000160647	2 - 3 Miles West
BD222	USGS40000160399	2 - 3 Miles ESE
224	USGS40000160146	2 - 3 Miles South
225	USGS40000160149	2 - 3 Miles South
BG234	USGS40000160888	2 - 3 Miles NW
BG235	USGS40000160905	2 - 3 Miles NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BH242	USGS40000160202	2 - 3 Miles SE
BI244	USGS40000160489	2 - 3 Miles East
BG245	USGS40000160889	2 - 3 Miles NW
BJ246	USGS40000160744	2 - 3 Miles ENE
BK250	USGS40000160153	2 - 3 Miles SSW

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	CADWR8000015990	1/4 - 1/2 Mile South
3	CADWR0000014146	1/2 - 1 Mile SSE
A4	CADWR8000016067	1/2 - 1 Mile WNW
A6	CAUSGSN00008086	1/2 - 1 Mile West
B8	CADWR8000016033	1/2 - 1 Mile East
B10	CAUSGSN00016148	1/2 - 1 Mile East
B12	CADWR0000032593	1/2 - 1 Mile East
D14	CADWR8000016189	1/2 - 1 Mile North
D16	CADWR8000016197	1/2 - 1 Mile North
17	CADPR0000003463	1/2 - 1 Mile East
19	CADWR8000016158	1/2 - 1 Mile NW
F23	CAUSGSN00018502	1 - 2 Miles SE
F24	CADDW0000015067	1 - 2 Miles SE
G25	CADWR0000017266	1 - 2 Miles SE
G26	CADWR8000015930	1 - 2 Miles SE
28	CADWR8000015907	1 - 2 Miles South
H32	CADWR8000016057	1 - 2 Miles West
33	CADWR8000016013	1 - 2 Miles East
35	CADWR0000011976	1 - 2 Miles WNW
J36	CADWR8000015979	1 - 2 Miles ESE
I37	CADWR8000015885	1 - 2 Miles SSW
J38	CADWR0000035515	1 - 2 Miles ESE
39	CADWR0000031485	1 - 2 Miles North
L41	CADWR8000016258	1 - 2 Miles NNE
K42	CADWR8000016265	1 - 2 Miles NNE
L43	CADWR0000006485	1 - 2 Miles NNE
47	CADWR0000037648	1 - 2 Miles South
M49	CADWR8000016269	1 - 2 Miles NNW
50	CADWR0000026796	1 - 2 Miles NNW
N51	CADWR8000016029	1 - 2 Miles East
P53	CADWR0000020268	1 - 2 Miles SSE
P54	CADWR8000015871	1 - 2 Miles SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q56	CADWR8000016276	1 - 2 Miles NNE
O58	CAUSGSN00011869	1 - 2 Miles SSW
59	CADWR0000023606	1 - 2 Miles NNE
P64	CAUSGSN00009435	1 - 2 Miles SSE
R66	CADWR8000016268	1 - 2 Miles NNW
67	CADWR0000012464	1 - 2 Miles SW
S68	CADWR8000015862	1 - 2 Miles SSE
69	CADWR0000014368	1 - 2 Miles SE
71	CADDW0000013005	1 - 2 Miles WSW
T72	CADWR0000014916	1 - 2 Miles South
T73	CADWR8000015835	1 - 2 Miles South
U74	CADWR8000015829	1 - 2 Miles South
V76	CADWR8000015897	1 - 2 Miles SE
U77	CADWR0000029162	1 - 2 Miles South
79	CADWR0000034500	1 - 2 Miles SSW
U80	CADWR8000015823	1 - 2 Miles South
X83	CADWR8000016277	1 - 2 Miles NE
84	CADWR0000026282	1 - 2 Miles WNW
V85	CADWR0000002934	1 - 2 Miles SE
86	CADWR8000015978	1 - 2 Miles ESE
Y88	CADWR8000015872	1 - 2 Miles SE
AA91	CADWR8000016243	1 - 2 Miles NE
AA92	CADWR8000016242	1 - 2 Miles NE
AA93	CADWR8000016241	1 - 2 Miles NE
AB94	CADWR0000015955	1 - 2 Miles ESE
AC96	CADWR8000015906	1 - 2 Miles SE
AB98	CAUSGSN00014302	1 - 2 Miles ESE
AD99	CADWR8000015833	1 - 2 Miles SSE
100	CADWR8000015986	1 - 2 Miles WSW
AD101	CADWR0000017103	1 - 2 Miles SSE
AA105	CADWR0000014054	1 - 2 Miles NE
AA106	CADWR0000026060	1 - 2 Miles NE
AA107	CADWR0000030489	1 - 2 Miles NE
AA108	CADWR8000016245	1 - 2 Miles NE
Z109	CADWR0000033931	1 - 2 Miles NE
AE112	CADWR8000015832	2 - 3 Miles SSE
113	CADWR0000030944	2 - 3 Miles South
114	CADPR0000001755	2 - 3 Miles East
AE115	CADWR0000035121	2 - 3 Miles SSE
117	CADWR8000016061	2 - 3 Miles East
118	CADWR8000016208	2 - 3 Miles ENE
119	CADWR8000016344	2 - 3 Miles North
AF121	CADWR0000000997	2 - 3 Miles East
AG123	CADWR8000015794	2 - 3 Miles SSW
AH124	CADWR0000025030	2 - 3 Miles North
127	CADWR8000015873	2 - 3 Miles SW
AF129	CADWR0000001780	2 - 3 Miles ENE
130	CADWR8000016053	2 - 3 Miles East
AI132	CADWR8000016226	2 - 3 Miles NE
AI133	CADWR8000016225	2 - 3 Miles NE
134	CADWR8000016100	2 - 3 Miles East
AK137	CADWR8000015831	2 - 3 Miles SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AI138	CAUSGSN00006450	2 - 3 Miles NE
AK139	CADWR0000013759	2 - 3 Miles SE
AK140	CADWR0000017203	2 - 3 Miles SE
AK142	CAUSGSN00016761	2 - 3 Miles SE
143	CADWR0000008377	2 - 3 Miles SSE
144	CADWR0000006565	2 - 3 Miles South
AL145	CADWR8000016339	2 - 3 Miles NNE
146	CADWR8000015859	2 - 3 Miles SW
AJ147	CADWR8000015850	2 - 3 Miles SW
148	CADWR0000029768	2 - 3 Miles SE
AM150	CAUSGSN00002128	2 - 3 Miles East
AN151	CADWR0000023662	2 - 3 Miles East
AN152	CADWR8000016042	2 - 3 Miles East
155	CADWR8000015964	2 - 3 Miles ESE
156	CADWR8000015910	2 - 3 Miles ESE
AM157	CADWR0000032843	2 - 3 Miles East
158	CADWR0000004540	2 - 3 Miles ENE
159	CADWR0000024343	2 - 3 Miles SW
AO160	CADWR0000026327	2 - 3 Miles ESE
AO161	CADWR8000015985	2 - 3 Miles ESE
AP166	CADWR8000016383	2 - 3 Miles North
AQ169	CADWR0000032128	2 - 3 Miles ENE
AQ171	CAUSGSN00011512	2 - 3 Miles ENE
AR172	CADWR0000015190	2 - 3 Miles SE
AR173	CADWR0000006441	2 - 3 Miles SE
AS174	CADWR0000018416	2 - 3 Miles South
175	CADWR0000020162	2 - 3 Miles SE
177	CADWR8000015748	2 - 3 Miles South
AT183	CADWR8000015740	2 - 3 Miles South
185	CADWR0000016144	2 - 3 Miles WSW
AV187	CADWR8000015793	2 - 3 Miles SE
AU188	CAUSGSN00005295	2 - 3 Miles SSE
AU189	CADWR0000036294	2 - 3 Miles SSE
AU190	CADWR8000015751	2 - 3 Miles SSE
AW191	CADWR0000020659	2 - 3 Miles WSW
AW192	CADWR8000015958	2 - 3 Miles WSW
AU194	CADWR8000015747	2 - 3 Miles SSE
AU195	CADWR0000003910	2 - 3 Miles SSE
197	CADWR0000006346	2 - 3 Miles SW
AX198	CADWR0000026676	2 - 3 Miles SSW
AY199	CADWR0000019731	2 - 3 Miles East
201	CADWR8000015848	2 - 3 Miles SW
202	CADWR0000016166	2 - 3 Miles WNW
AZ203	CADWR0000034032	2 - 3 Miles South
204	CADPR0000004443	2 - 3 Miles West
206	CADWR8000016177	2 - 3 Miles WNW
BA209	CADWR8000015768	2 - 3 Miles SE
BA210	CADWR0000032610	2 - 3 Miles SE
BB212	CAUSGSN00011454	2 - 3 Miles SW
BB213	CADWR8000015773	2 - 3 Miles SW
BC214	CAUSGSN00009322	2 - 3 Miles West
BC215	CAUSGSN00002696	2 - 3 Miles West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

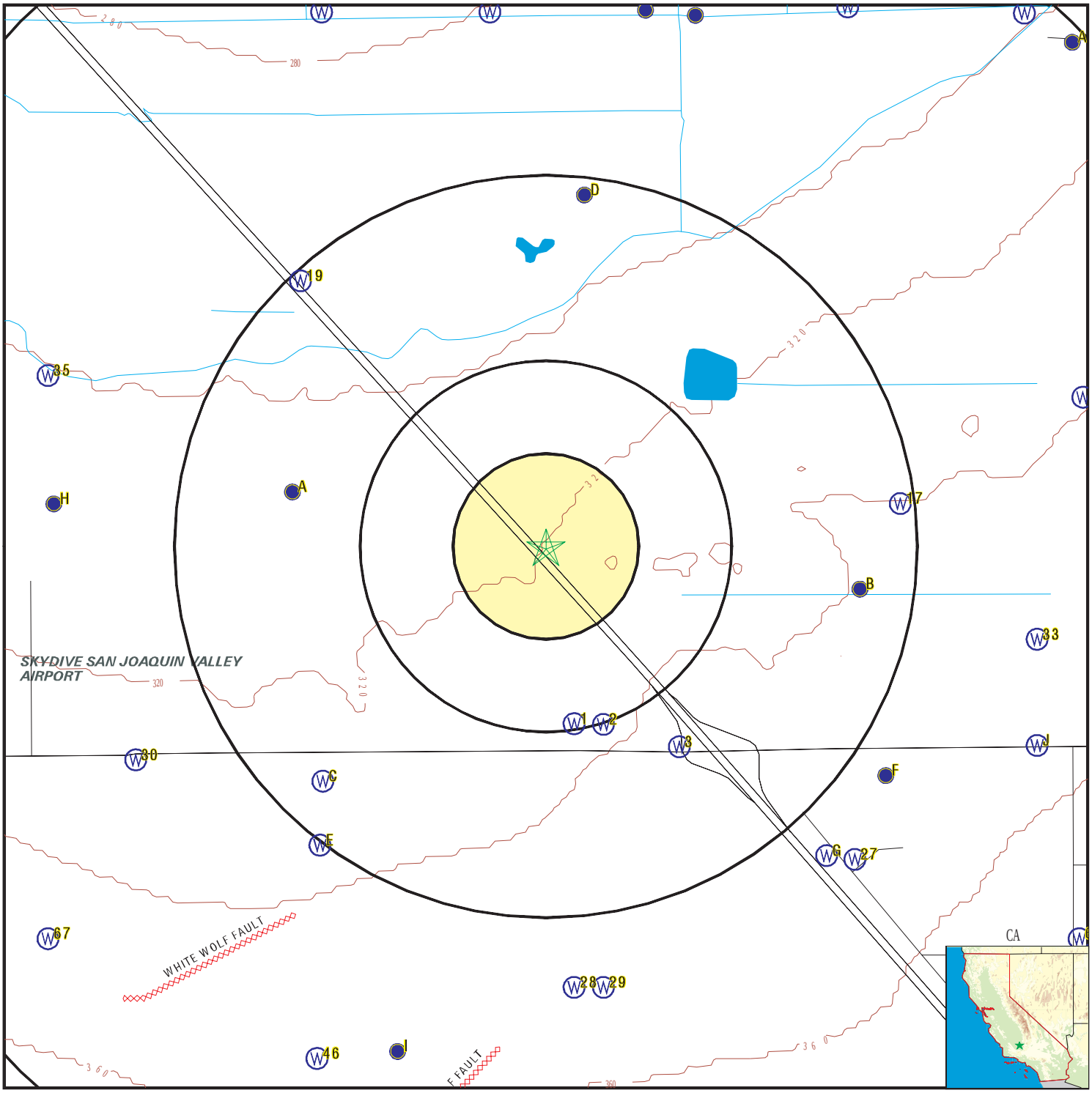
MAP ID	WELL ID	LOCATION FROM TP
BC216	CAUSGSN00001678	2 - 3 Miles West
BC217	CAUSGSN00008208	2 - 3 Miles West
BE223	CADWR0000030465	2 - 3 Miles ENE
226	CADWR0000012564	2 - 3 Miles SE
227	CADWR0000027815	2 - 3 Miles SSW
BE228	CADWR0000025685	2 - 3 Miles ENE
BF229	CADWR8000015729	2 - 3 Miles SSW
BF230	CADWR0000001713	2 - 3 Miles SSW
231	CADWR0000027445	2 - 3 Miles West
BG232	CAUSGSN00015587	2 - 3 Miles NW
BG233	CAUSGSN00016216	2 - 3 Miles NW
BH236	CADWR8000015779	2 - 3 Miles SE
BD237	CADWR8000015914	2 - 3 Miles ESE
BD238	CADWR0000002694	2 - 3 Miles ESE
BI239	CADWR8000015984	2 - 3 Miles East
BC240	CADWR8000016122	2 - 3 Miles West
241	CADWR0000013880	2 - 3 Miles SW
BG243	CADWR0000015264	2 - 3 Miles NW
247	CADWR0000005761	2 - 3 Miles ENE
248	CADWR8000016368	2 - 3 Miles NW
249	CADWR8000016238	2 - 3 Miles WNW
BK251	CAUSGSN00012567	2 - 3 Miles SSW
BL252	CADWR0000026681	2 - 3 Miles ENE
BM253	CADWR0000015986	2 - 3 Miles NW
BM254	CADWR8000016381	2 - 3 Miles NW
BL255	CADWR8000016180	2 - 3 Miles ENE
BK256	CADWR8000015733	2 - 3 Miles SSW
BJ257	CADWR8000016207	2 - 3 Miles ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000002946	2 - 3 Miles SSW
2	CAOG14000002947	2 - 3 Miles SSW
3	CAOG14000002563	2 - 3 Miles ENE
4	CAOG14000001455	2 - 3 Miles SSW
5	CAOG14000001456	2 - 3 Miles SSW
6	CAOG14000003985	2 - 3 Miles East
7	CAOG14000001454	2 - 3 Miles SSW
8	CAOG14000002559	2 - 3 Miles NW

PHYSICAL SETTING SOURCE MAP - 6543957.6s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Sandrini Solar Site#2 E	CLIENT:	KTA Associates, Inc.
ADDRESS:	Interstate 5 Bakersfield CA 93313	CONTACT:	Martin Griesse-Nascimento
LAT/LONG:	35.103028 / 119.045344	INQUIRY #:	6543957.6s
		DATE:	June 18, 2021 3:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR8000015990**

State Well #:	32S27E35R001M	Station ID:	21811
Well Name:	32S27E35R001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

2
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000160505**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E35R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1314
Well Depth Units:	ft	Well Hole Depth:	1314
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	224.00	Feet to sea level:	Not Reported
Note:	Not Reported		

3
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000014146**

Well ID:	32S27E35R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E35R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E35R001M&store_num=		
GeoTracker Data:	Not Reported		

A4
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000016067**

State Well #:	32S27E34A001M	Station ID:	21810
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000160591**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E34H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	9
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-06
Feet below surface:	4.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A6
West
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00008086**

Well ID:	USGS-350618119032401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350618119032401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350618119032401&store_num=		
GeoTracker Data:	Not Reported		

A7
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000160592**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E34H002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	17.4
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1989-07-10
Feet below surface:	5.30	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-04-07	Feet below surface:	4.00

Feet to sea level:	Not Reported	Note:	Not Reported

B8
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000016033**

State Well #:	32S27E36F001M	Station ID:	36338
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

B9
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000160566**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E36F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	212
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-02-05
Feet below surface:	27.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B10
East
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00016148**

Well ID:	USGS-350605119014601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350605119014601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350605119014601&store_num=		
GeoTracker Data:	Not Reported		

C11
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000160465**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	035S027E35N002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	16
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	7.13	Feet to sea level:	Not Reported
Note:	Not Reported		

B12
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000032593**

Well ID:	32S27E36F001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E36F001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E36F001M&store_num=		
GeoTracker Data:	Not Reported		

C13
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000160466**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E35N003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	8.65
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	7.30	Feet to sea level:	Not Reported
Note:	Not Reported		

D14
North
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000016189**

State Well #:	32S27E26H002M	Station ID:	35209
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D15
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000160737**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E26H002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	862
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1951-05-05
Feet below surface:	90.00	Feet to sea level:	Not Reported
Note:	Not Reported		

D16
North
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000016197**

State Well #:	32S27E26H001M	Station ID:	21421
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

17
East
1/2 - 1 Mile
Higher

CA WELLS **CADPR0000003463**

Well ID:	82841	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	82841	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=82841&store_num=		
GeoTracker Data:	Not Reported		

D18
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000160740**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E26H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	300
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-15
Feet below surface:	14.30	Feet to sea level:	Not Reported
Note:	Not Reported		

19
NW
1/2 - 1 Mile
Lower

CA WELLS **CADWR8000016158**

State Well #:	32S27E26M061M	Station ID:	24857
Well Name:	Not Reported	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

E20
SW
1 - 2 Miles
Higher

FED USGS **USGS40000160422**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W30Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	10.5
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	8.25	Feet to sea level:	Not Reported
Note:	Not Reported		

E21
SW
1 - 2 Miles
Higher

FED USGS **USGS40000160423**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W30Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	8.4
Well Depth Units:	ft	Well Hole Depth:	Not Reported

Well Hole Depth Units: Not Reported

Ground water levels,Number of Measurements: 1 Level reading date: 1989-04-07
Feet below surface: 7.80 Feet to sea level: Not Reported
Note: Not Reported

F22
SE **FED USGS** **USGS40000160469**
1 - 2 Miles
Higher

Organization ID: USGS-CA
Organization Name: USGS California Water Science Center
Monitor Location: 032S027E36Q001M Type: Well
Description: Not Reported HUC: 18030012
Drainage Area: Not Reported Drainage Area Units: Not Reported
Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported
Aquifer: Central Valley aquifer system
Formation Type: Not Reported Aquifer Type: Not Reported
Construction Date: 19730516 Well Depth: 410
Well Depth Units: ft Well Hole Depth: 411
Well Hole Depth Units: ft

Ground water levels,Number of Measurements: 1 Level reading date: 1986-06-03
Feet below surface: 85.15 Feet to sea level: Not Reported
Note: Not Reported

F23
SE **CA WELLS** **CAUSGSN00018502**
1 - 2 Miles
Higher

Well ID: USGS-350539119014201 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-350539119014201 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350539119014201&store_num=
GeoTracker Data: Not Reported

F24
SE **CA WELLS** **CADDW0000015067**
1 - 2 Miles
Higher

Well ID: 1503570-001 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: WELL 01 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1503570-001&store_num=
GeoTracker Data: Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G25
SE
1 - 2 Miles
Higher

CA WELLS **CADWR0000017266**

Well ID:	12N20W29R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W29R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W29R001S&store_num=		
GeoTracker Data:	Not Reported		

G26
SE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015930**

State Well #:	12N20W29R001S	Station ID:	33854
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

27
SE
1 - 2 Miles
Higher

FED USGS **USGS40000160417**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W29R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580101	Well Depth:	1403
Well Depth Units:	ft	Well Hole Depth:	1404
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	240.00	Feet to sea level:	Not Reported
Note:	Not Reported		

28
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015907**

State Well #:	12N20W32F001S	Station ID:	39087
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

29
South
1 - 2 Miles
Higher

FED USGS **USGS40000160378**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W32F001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	193.30	Feet to sea level:	Not Reported
Note:	Not Reported		

30
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000160483**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W30N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1350
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

H31
West
1 - 2 Miles
Lower

FED USGS **USGS40000160588**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E34F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	184
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1956-09-18
Feet below surface:	35.50	Feet to sea level:	Not Reported
Note:	Not Reported		

H32
West
1 - 2 Miles
Lower

CA WELLS **CADWR8000016057**

State Well #:	32S27E34F001M	Station ID:	37635
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

33
East
1 - 2 Miles
Higher

CA WELLS **CADWR8000016013**

State Well #:	32S27E36J001M	Station ID:	21812
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

I34
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160358**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W31J001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1420
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-30
Feet below surface:	256.50	Feet to sea level:	Not Reported
Note:	Not Reported		

35
WNW
1 - 2 Miles
Lower

CA WELLS **CADWR0000011976**

Well ID:	32S27E27P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E27P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E27P001M&store_num=		

GeoTracker Data: Not Reported

J36
ESE **CA WELLS** **CADWR8000015979**
1 - 2 Miles
Higher

State Well #:	32S27E36R001M	Station ID:	21813
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

I37
SSW **CA WELLS** **CADWR8000015885**
1 - 2 Miles
Higher

State Well #:	12N20W31J001S	Station ID:	15215
Well Name:	12N20W31J001S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

J38
ESE **CA WELLS** **CADWR0000035515**
1 - 2 Miles
Higher

Well ID:	32S27E36R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E36R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E36R001M&store_num=		
GeoTracker Data:	Not Reported		

39
North **CA WELLS** **CADWR0000031485**
1 - 2 Miles
Lower

Well ID:	32S27E23P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E23P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E23P001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K40
North
1 - 2 Miles
Lower

FED USGS **USGS40000160799**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E25D001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	156
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

L41
NNE
1 - 2 Miles
Lower

CA WELLS **CADWR8000016258**

State Well #:	32S27E25D001M	Station ID:	35208
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

K42
NNE
1 - 2 Miles
Lower

CA WELLS **CADWR8000016265**

State Well #:	32S27E24N001M	Station ID:	35207
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

L43
NNE
1 - 2 Miles
Lower

CA WELLS **CADWR0000006485**

Well ID:	32S27E24N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E24N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E24N001M&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

44
ENE
1 - 2 Miles
Higher

FED USGS **USGS40000160637**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	33.2
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	23.50	Feet to sea level:	Not Reported
Note:	Not Reported		

L45
NNE
1 - 2 Miles
Lower

FED USGS **USGS40000160801**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E24N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	105
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1951-01-19
Feet below surface:	33.00	Feet to sea level:	Not Reported
Note:	Not Reported		

46
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160355**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W31K001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	8.1

Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	5.45	Feet to sea level:	Not Reported
Note:	Not Reported		

47
South
1 - 2 Miles
Higher

CA WELLS **CADWR0000037648**

Well ID:	12N20W31J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W31J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W31J001S&store_num=		
GeoTracker Data:	Not Reported		

M48
NNW
1 - 2 Miles
Lower

FED USGS **USGS40000160804**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E23P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	201
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-04
Feet below surface:	2.50	Feet to sea level:	Not Reported
Note:	Not Reported		

M49
NNW
1 - 2 Miles
Lower

CA WELLS **CADWR8000016269**

State Well #:	32S27E23P001M	Station ID:	35206
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

50
NNW
1 - 2 Miles
Lower

CA WELLS **CADWR0000026796**

Well ID:	32S27E23N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E23N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E23N001M&store_num=		
GeoTracker Data:	Not Reported		

N51
East
1 - 2 Miles
Higher

CA WELLS **CADWR8000016029**

State Well #:	32S28E31F001M	Station ID:	37295
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

O52
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160336**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W31R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

P53
SSE
1 - 2 Miles
Higher

CA WELLS **CADWR0000020268**

Well ID:	12N20W32Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W32Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W32Q001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P54
SSE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015871**

State Well #:	12N20W32Q001S	Station ID:	15216
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

O55
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000160334**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W31R002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1208
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	245.60	Feet to sea level:	Not Reported
Note:	Not Reported		

Q56
NNE
1 - 2 Miles
Lower

CA WELLS **CADWR8000016276**

State Well #:	32S27E24P001M	Station ID:	21419
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

57
SE
1 - 2 Miles
Higher

FED USGS **USGS40000160386**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W33F002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-02-06
Feet below surface:	60.10	Feet to sea level:	Not Reported
Note:	Not Reported		

O58
SSW **CA WELLS** **CAUSGSN00011869**
1 - 2 Miles
Higher

Well ID:	USGS-350447119030101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350447119030101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350447119030101&store_num=		
GeoTracker Data:	Not Reported		

59
NNE **CA WELLS** **CADWR0000023606**
1 - 2 Miles
Lower

Well ID:	32S27E24P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E24P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E24P001M&store_num=		
GeoTracker Data:	Not Reported		

R60
NNW **FED USGS** **USGS40000160802**
1 - 2 Miles
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E23N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	112
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-04
Feet below surface:	4.60	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q61
NNE **FED USGS** **USGS40000160807**
1 - 2 Miles
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E24P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	139
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-04-09
Feet below surface:	4.40	Feet to sea level:	Not Reported
Note:	Not Reported		

P62
SSE **FED USGS** **USGS40000160331**
1 - 2 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W32Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19560101	Well Depth:	1198
Well Depth Units:	ft	Well Hole Depth:	1345
Well Hole Depth Units:	ft		

P63
SSE **FED USGS** **USGS40000160330**
1 - 2 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W32K001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	24.9
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	16.20	Feet to sea level:	Not Reported
Note:	Not Reported		

P64
SSE
1 - 2 Miles
Higher

CA WELLS **CAUSGSN00009435**

Well ID:	USGS-350446119021201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350446119021201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350446119021201&store_num=		
GeoTracker Data:	Not Reported		

N65
East
1 - 2 Miles
Higher

FED USGS **USGS40000160565**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E31F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	804
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1956-09-20
Feet below surface:	248.00	Feet to sea level:	Not Reported
Note:	Not Reported		

R66
NNW
1 - 2 Miles
Lower

CA WELLS **CADWR8000016268**

State Well #:	32S27E23N001M	Station ID:	21417
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

67
SW
1 - 2 Miles
Higher

CA WELLS **CADWR0000012464**

Well ID:	12N20W30N002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W30N002S	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W30N002S&store_num=
GeoTracker Data: Not Reported

S68
SSE **CA WELLS** **CADWR8000015862**
1 - 2 Miles
Higher

State Well #:	11N20W05A001S	Station ID:	11444
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

69
SE **CA WELLS** **CADWR0000014368**
1 - 2 Miles
Higher

Well ID:	12N20W28R080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W28R080S	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W28R080S&store_num=
GeoTracker Data: Not Reported

S70
SSE **FED USGS** **USGS40000160319**
1 - 2 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W05A001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-30
Feet below surface:	293.60	Feet to sea level:	Not Reported
Note:	Not Reported		

71
WSW **CA WELLS** **CADDW0000013005**
1 - 2 Miles
Higher

Well ID:	1503670-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		

Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1503670-001&store_num=		
GeoTracker Data:	Not Reported		

T72
South
1 - 2 Miles
Higher

CA WELLS **CADWR0000014916**

Well ID:	12N20W31R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W31R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W31R001S&store_num=		
GeoTracker Data:	Not Reported		

T73
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015835**

State Well #:	12N20W31R001S	Station ID:	33855
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

U74
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015829**

State Well #:	12N20W32P001S	Station ID:	33856
Well Name:	12N20W32P001S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

U75
South
1 - 2 Miles
Higher

FED USGS **USGS40000160276**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W32P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	954
Well Depth Units:	ft	Well Hole Depth:	970
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	245.90	Feet to sea level:	Not Reported
Note:	Not Reported		

V76
SE **CA WELLS** **CADWR8000015897**
1 - 2 Miles
Higher

State Well #:	12N20W33F001S	Station ID:	15219
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

U77
South **CA WELLS** **CADWR0000029162**
1 - 2 Miles
Higher

Well ID:	12N20W32P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W32P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W32P001S&store_num=		
GeoTracker Data:	Not Reported		

78
ESE **FED USGS** **USGS40000160476**
1 - 2 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E31P002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1000
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-02
Feet below surface:	105.60	Feet to sea level:	Not Reported
Note:	Not Reported		

79
SSW **CA WELLS** **CADWR0000034500**
1 - 2 Miles
Higher

Well ID:	12N20W31J080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W31J080S	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W31J080S&store_num=
GeoTracker Data: Not Reported

U80
South
1 - 2 Miles
Higher

CA WELLS **CADWR8000015823**

State Well #:	11N20W05C001S	Station ID:	11445
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

W81
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000160491**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E33R002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-30
Feet below surface:	169.70	Feet to sea level:	Not Reported
Note:	Not Reported		

V82
SE
1 - 2 Miles
Higher

FED USGS **USGS40000160368**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W33F001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	269.30	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X83
NE
1 - 2 Miles
Lower

CA WELLS **CADWR8000016277**

State Well #:	32S27E24R001M	Station ID:	21420
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

84
WNW
1 - 2 Miles
Lower

CA WELLS **CADWR0000026282**

Well ID:	32S27E28R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E28R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E28R001M&store_num=		
GeoTracker Data:	Not Reported		

V85
SE
1 - 2 Miles
Higher

CA WELLS **CADWR0000002934**

Well ID:	12N20W33F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W33F001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W33F001S&store_num=		
GeoTracker Data:	Not Reported		

86
ESE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015978**

State Well #:	32S28E31P003M	Station ID:	39099
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

W87
WSW
1 - 2 Miles
Higher

FED USGS **USGS40000160497**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E33R001M	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-15
Feet below surface:	132.60	Feet to sea level:	Not Reported
Note:	Not Reported		

Y88
SE **CA WELLS** **CADWR8000015872**
1 - 2 Miles
Higher

State Well #:	12N20W33P001S	Station ID:	15221
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

X89
NE **FED USGS** **USGS40000160813**
1 - 2 Miles
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E24R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-03-19
Feet below surface:	7.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Z90
NE **FED USGS** **USGS40000160798**
1 - 2 Miles
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30D001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		

Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1460
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AA91
NE **CA WELLS** **CADWR8000016243**
1 - 2 Miles
Lower

State Well #:	32S28E30D004M	Station ID:	22433
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AA92
NE **CA WELLS** **CADWR8000016242**
1 - 2 Miles
Lower

State Well #:	32S28E30D003M	Station ID:	37293
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AA93
NE **CA WELLS** **CADWR8000016241**
1 - 2 Miles
Lower

State Well #:	32S28E30D002M	Station ID:	22432
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AB94
ESE **CA WELLS** **CADWR0000015955**
1 - 2 Miles
Higher

Well ID:	32S28E31P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E31P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E31P001M&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Y95
SE
1 - 2 Miles
Higher

FED USGS **USGS40000160337**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W33P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	704
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	216.80	Feet to sea level:	Not Reported
Note:	Not Reported		

AC96
SE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015906**

State Well #:	12N20W33H001S	Station ID:	15220
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AB97
ESE
1 - 2 Miles
Higher

FED USGS **USGS40000160464**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E31P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	806
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1950-04-14
Feet below surface:	159.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AB98
ESE
1 - 2 Miles
Higher

CA WELLS **CAUSGSN00014302**

Well ID:	USGS-350538119004201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350538119004201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350538119004201&store_num=		
GeoTracker Data:	Not Reported		

AD99
SSE
1 - 2 Miles
Higher

CA WELLS **CADWR8000015833**

State Well #:	12N20W32R001S	Station ID:	15217
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

100
WSW
1 - 2 Miles
Higher

CA WELLS **CADWR8000015986**

State Well #:	32S27E33R001M	Station ID:	21809
Well Name:	32S27E33R001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AD101
SSE
1 - 2 Miles
Higher

CA WELLS **CADWR0000017103**

Well ID:	12N20W32R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W32R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W32R001S&store_num=		
GeoTracker Data:	Not Reported		

AA102
NE
1 - 2 Miles
Lower

FED USGS **USGS40000160787**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30D002M	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520101	Well Depth:	800
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1970-05-01
Feet below surface:	207.00	Feet to sea level:	Not Reported
Note:	Not Reported		

AA103
NE
1 - 2 Miles
Lower

FED USGS **USGS40000160788**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30D003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520101	Well Depth:	1090
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1970-05-01
Feet below surface:	193.00	Feet to sea level:	Not Reported
Note:	Not Reported		

AA104
NE
1 - 2 Miles
Lower

FED USGS **USGS40000160789**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30D004M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520101	Well Depth:	1220
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1970-05-01
Feet below surface:	265.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AA105 **NE** **1 - 2 Miles** **Lower**	**CA WELLS**	**CADWR0000014054**

Well ID:	32S28E30D002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30D002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30D002M&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AA106 **NE** **1 - 2 Miles** **Lower**	**CA WELLS**	**CADWR0000026060**

Well ID:	32S28E30D003M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30D003M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30D003M&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AA107 **NE** **1 - 2 Miles** **Lower**	**CA WELLS**	**CADWR0000030489**

Well ID:	32S28E30D001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30D001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30D001M&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AA108 **NE** **1 - 2 Miles** **Lower**	**CA WELLS**	**CADWR8000016245**

State Well #:	32S28E30D001M	Station ID:	22431
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z109
NE
1 - 2 Miles
Lower

CA WELLS **CADWR0000033931**

Well ID:	32S27E24R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E24R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E24R001M&store_num=		
GeoTracker Data:	Not Reported		

AD110
SSE
1 - 2 Miles
Higher

FED USGS **USGS40000160275**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W32R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19470101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	1042
Well Hole Depth Units:	ft		

AC111
SE
1 - 2 Miles
Higher

FED USGS **USGS40000160377**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W33H001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	171.30	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE112
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015832**

State Well #:	12N20W32R002S	Station ID:	15218
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

113
South
2 - 3 Miles
Higher

CA WELLS **CADWR0000030944**

Well ID:	12N20W32N080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W32N080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W32N080S&store_num=		
GeoTracker Data:	Not Reported		

114
East
2 - 3 Miles
Higher

CA WELLS **CADPR0000001755**

Well ID:	88330	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	88330	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=88330&store_num=		
GeoTracker Data:	Not Reported		

AE115
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000035121**

Well ID:	11N20W05A001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W05A001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W05A001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

116
South
2 - 3 Miles
Higher

FED USGS **USGS40000160228**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W06H001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1112
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

117
East
2 - 3 Miles
Higher

CA WELLS **CADWR8000016061**

State Well #:	32S28E31B001M	Station ID:	22435
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

118
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR8000016208**

State Well #:	32S28E30F001M	Station ID:	37294
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

119
North
2 - 3 Miles
Lower

CA WELLS **CADWR8000016344**

State Well #:	32S27E23H001M	Station ID:	21416
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

120
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160343**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W36Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AF121
East
2 - 3 Miles
Higher

CA WELLS **CADWR0000000997**

Well ID:	32S28E30R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30R001M&store_num=		
GeoTracker Data:	Not Reported		

AG122
SSW
2 - 3 Miles
Higher

FED USGS **USGS40000160223**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W06H002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1496
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	267.10	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG123
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015794**

State Well #:	11N20W06H002S	Station ID:	11582
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AH124
North
2 - 3 Miles
Lower

CA WELLS **CADWR0000025030**

Well ID:	32S27E23A001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E23A001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E23A001M&store_num=		
GeoTracker Data:	Not Reported		

AH125
North
2 - 3 Miles
Lower

FED USGS **USGS40000160866**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E23A001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	52.00	Feet to sea level:	Not Reported
Note:	Not Reported		

AF126
East
2 - 3 Miles
Higher

FED USGS **USGS40000160640**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-15
Feet below surface:	95.00	Feet to sea level:	Not Reported
Note:	Not Reported		

127
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015873**

State Well #:	12N21W36Q002S	Station ID:	13861
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

128
East
2 - 3 Miles
Higher

FED USGS **USGS40000160573**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E31H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AF129
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR0000001780**

Well ID:	32S28E30R003M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30R003M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30R003M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

130
East
2 - 3 Miles
Higher

CA WELLS **CADWR8000016053**

State Well #:	32S28E31H002M	Station ID:	37296
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

131
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160490**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E31R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1004
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AI132
NE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016226**

State Well #:	32S28E30C002M	Station ID:	39098
Well Name:	32S28E30C002M	Well Use:	Observation
Well Type:	Single Well	Well Depth:	23
Basin Name:	Kern County	Well Completion Rpt #:	334636

AI133
NE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016225**

State Well #:	32S28E30C001M	Station ID:	37292
Well Name:	32S28E30C001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

134
East
2 - 3 Miles
Higher

CA WELLS **CADWR8000016100**

State Well #:	32S28E30R002M	Station ID:	22434
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AJ135
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160311**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W36Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1600
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	260.10	Feet to sea level:	Not Reported
Note:	Not Reported		

AI136
NE
2 - 3 Miles
Higher

FED USGS **USGS40000160771**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30C002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	198907	Well Depth:	20.3
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-07-18
Feet below surface:	12.32	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK137
SE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015831**

State Well #:	12N20W33P002S	Station ID:	15222
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AI138
NE
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00006450**

Well ID:	USGS-350719119004101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350719119004101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350719119004101&store_num=		
GeoTracker Data:	Not Reported		

AK139
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000013759**

Well ID:	12N20W33P002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W33P002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W33P002S&store_num=		
GeoTracker Data:	Not Reported		

AK140
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000017203**

Well ID:	12N20W33P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W33P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W33P001S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK141
SE
2 - 3 Miles
Higher

FED USGS **USGS40000160274**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W33P002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19560208	Well Depth:	1002
Well Depth Units:	ft	Well Hole Depth:	1002
Well Hole Depth Units:	ft		

AK142
SE
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00016761**

Well ID:	USGS-350436119011101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350436119011101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350436119011101&store_num=		
GeoTracker Data:	Not Reported		

143
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000008377**

Well ID:	11N20W05A080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W05A080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W05A080S&store_num=		
GeoTracker Data:	Not Reported		

144
South
2 - 3 Miles
Higher

CA WELLS **CADWR0000006565**

Well ID:	11N20W06H002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W06H002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W06H002S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AL145
NNE
2 - 3 Miles
Lower

CA WELLS **CADWR8000016339**

State Well #:	32S27E24H001M	Station ID:	21418
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

146
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015859**

State Well #:	12N21W36Q001S	Station ID:	33521
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AJ147
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015850**

State Well #:	12N21W36Q003S	Station ID:	13862
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

148
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000029768**

Well ID:	12N20W33J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W33J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W33J001S&store_num=		
GeoTracker Data:	Not Reported		

AM149
East
2 - 3 Miles
Higher

FED USGS **USGS40000160633**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30R002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1015	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	2	Level reading date:	1958-12-02
Feet below surface:	218.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1958-12-02	Feet below surface:	218.00
Feet to sea level:	Not Reported	Note:	Not Reported

AM150
East
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00002128**

Well ID:	USGS-350630119001301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350630119001301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350630119001301&store_num=		
GeoTracker Data:	Not Reported		

AN151
East
2 - 3 Miles
Higher

CA WELLS **CADWR0000023662**

Well ID:	32S28E31H001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E31H001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E31H001M&store_num=		
GeoTracker Data:	Not Reported		

AN152
East
2 - 3 Miles
Higher

CA WELLS **CADWR8000016042**

State Well #:	32S28E31H001M	Station ID:	22436
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

153
ENE
2 - 3 Miles
Higher

FED USGS **USGS40000160756**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30H002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	2805
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AL154
NNE
2 - 3 Miles
Lower

FED USGS **USGS40000160859**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E24H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	41.20	Feet to sea level:	Not Reported
Note:	Not Reported		

155
ESE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015964**

State Well #:	32S28E31R003M	Station ID:	37297
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

156
ESE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015910**

State Well #:	12N20W34F001S	Station ID:	39869
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AM157
East
2 - 3 Miles
Higher

CA WELLS **CADWR0000032843**

Well ID:	32S28E30R002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30R002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30R002M&store_num=		
GeoTracker Data:	Not Reported		

158
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR0000004540**

Well ID:	32S28E30H002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30H002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30H002M&store_num=		
GeoTracker Data:	Not Reported		

159
SW
2 - 3 Miles
Higher

CA WELLS **CADWR0000024343**

Well ID:	12N21W36Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W36Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36Q001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AO160
ESE
2 - 3 Miles
Higher

CA WELLS **CADWR0000026327**

Well ID:	32S28E31R002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E31R002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E31R002M&store_num=		
GeoTracker Data:	Not Reported		

AO161
ESE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015985**

State Well #:	32S28E31R001M	Station ID:	22437
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AO162
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160496**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E31R002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580101	Well Depth:	1196
Well Depth Units:	ft	Well Hole Depth:	1196
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1958-02-01
Feet below surface:	280.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1958-02-01	Feet below surface:	280.00
Feet to sea level:	Not Reported	Note:	Not Reported

163
SSE
2 - 3 Miles
Higher

FED USGS **USGS40000160189**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W05S001S	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1025
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	287.00	Feet to sea level:	Not Reported
Note:	Not Reported		

164
North
2 - 3 Miles
Lower

FED USGS **USGS40000160894**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E14R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19750930	Well Depth:	13
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

165
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160385**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W34F001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	275.70	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AP166
North
2 - 3 Miles
Lower

CA WELLS **CADWR8000016383**

State Well #:	32S27E13N001M	Station ID:	21411
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

167
NNW
2 - 3 Miles
Lower

FED USGS **USGS40000160895**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E15R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19750930	Well Depth:	14
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

AP168
North
2 - 3 Miles
Lower

FED USGS **USGS40000160908**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E13N001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-04
Feet below surface:	15.50	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AQ169
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR0000032128**

Well ID:	32S28E30H001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E30H001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E30H001M&store_num=		
GeoTracker Data:	Not Reported		

AQ170
ENE
2 - 3 Miles
Higher

FED USGS **USGS40000160725**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E30H001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1033
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1957-02-15
Feet below surface:	63.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1957-02-15	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported

AQ171
ENE
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00011512**

Well ID:	USGS-350655119000901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350655119000901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350655119000901&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AR172
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000015190**

Well ID:	12N20W33R002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W33R002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W33R002S&store_num=		
GeoTracker Data:	Not Reported		

AR173
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000006441**

Well ID:	12N20W33R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W33R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W33R001S&store_num=		
GeoTracker Data:	Not Reported		

AS174
South
2 - 3 Miles
Higher

CA WELLS **CADWR0000018416**

Well ID:	11N20W05L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W05L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W05L001S&store_num=		
GeoTracker Data:	Not Reported		

175
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000020162**

Well ID:	12N20W34F002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W34F002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W34F002S&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

176
SSE
2 - 3 Miles
Higher

FED USGS **USGS40000160218**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W04B001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	983
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	301.60	Feet to sea level:	Not Reported
Note:	Not Reported		

177
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015748**

State Well #:	11N20W05L001S	Station ID:	11581
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

178
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160416**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W27P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AS179
South
2 - 3 Miles
Higher

FED USGS **USGS40000160174**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W05L001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19511001	Well Depth:	1009
Well Depth Units:	ft	Well Hole Depth:	1025
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1953-07-10
Feet below surface:	310.00	Feet to sea level:	Not Reported
Note:	Not Reported		

180
NE
2 - 3 Miles
Lower

FED USGS **USGS40000160858**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E19F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

181
SE
2 - 3 Miles
Higher

FED USGS **USGS40000160283**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W33R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	953
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AT182
South
2 - 3 Miles
Higher

FED USGS **USGS40000160166**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W06R001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1197
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	86.10	Feet to sea level:	Not Reported
Note:	Not Reported		

AT183
South
2 - 3 Miles
Higher

CA WELLS **CADWR8000015740**

State Well #:	11N20W06R001S	Station ID:	11584
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

184
SW
2 - 3 Miles
Higher

FED USGS **USGS40000160320**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N021W36N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1008
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

185
WSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000016144**

Well ID:	32S27E33N080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E33N080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E33N080M&store_num=		
GeoTracker Data:	Not Reported		

AU186
SSE
2 - 3 Miles
Higher

FED USGS **USGS40000160176**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W05J001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium of the Tehachapi and San Emigdio Mts, Younger (Plei-Holo)		
Aquifer Type:	Not Reported	Construction Date:	19511101
Well Depth:	1025	Well Depth Units:	ft
Well Hole Depth:	1025	Well Hole Depth Units:	ft

AV187
SE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015793**

State Well #:	11N20W04H001S	Station ID:	11442
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AU188
SSE
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00005295**

Well ID:	USGS-350401119014301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350401119014301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350401119014301&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AU189
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000036294**

Well ID:	11N20W05J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W05J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W05J001S&store_num=		
GeoTracker Data:	Not Reported		

AU190
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015751**

State Well #:	11N20W05J001S	Station ID:	11446
Well Name:	11N20W05J001S	Well Use:	Observation
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AW191
WSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000020659**

Well ID:	32S27E33N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E33N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E33N001M&store_num=		
GeoTracker Data:	Not Reported		

AW192
WSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015958**

State Well #:	32S27E33N001M	Station ID:	21808
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AV193
SE
2 - 3 Miles
Higher

FED USGS **USGS40000160222**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W04H001S	Type:	Well

Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1027
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-06
Feet below surface:	254.30	Feet to sea level:	Not Reported
Note:	Not Reported		

AU194
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015747**

State Well #:	11N20W05J002S	Station ID:	11447
Well Name:	11N20W05J002S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AU195
SSE
2 - 3 Miles
Higher

CA WELLS **CADWR0000003910**

Well ID:	11N20W05J002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W05J002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W05J002S&store_num=		
GeoTracker Data:	Not Reported		

AX196
SSW
2 - 3 Miles
Higher

FED USGS **USGS40000160167**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W06Q001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1200
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-30
Feet below surface:	321.20	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
197 **SW** **2 - 3 Miles** **Higher**	**CA WELLS**	**CADWR0000006346**

Well ID:	12N21W36Q080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W36Q080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36Q080S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AX198 **SSW** **2 - 3 Miles** **Higher**	**CA WELLS**	**CADWR0000026676**

Well ID:	11N20W06Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W06Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W06Q001S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AY199 **East** **2 - 3 Miles** **Higher**	**CA WELLS**	**CADWR0000019731**

Well ID:	32S28E32P003M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E32P003M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E32P003M&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
AY200 **East** **2 - 3 Miles** **Higher**	**FED USGS**	**USGS40000160504**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E32P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	805
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

201
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015848**

State Well #:	12N21W36N001S	Station ID:	33973
Well Name:	12N21W36N001S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

202
WNW
2 - 3 Miles
Lower

CA WELLS **CADWR0000016166**

Well ID:	32S27E28E001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E28E001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E28E001M&store_num=		
GeoTracker Data:	Not Reported		

AZ203
South
2 - 3 Miles
Higher

CA WELLS **CADWR0000034032**

Well ID:	11N20W05K080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W05K080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W05K080S&store_num=		
GeoTracker Data:	Not Reported		

204
West
2 - 3 Miles
Higher

CA WELLS **CADPR0000004443**

Well ID:	88225	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	88225	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=88225&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

205
East
2 - 3 Miles
Higher

FED USGS **USGS40000160517**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E32P002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	878
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

206
WNW
2 - 3 Miles
Lower

CA WELLS **CADWR8000016177**

State Well #:	32S27E28M001M	Station ID:	21423
Well Name:	32S27E28M001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

AZ207
South
2 - 3 Miles
Higher

FED USGS **USGS40000160152**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W05P001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	28
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

208
South
2 - 3 Miles
Higher

FED USGS **USGS40000160148**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W05N001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	26.7
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	15.50	Feet to sea level:	Not Reported
Note:	Not Reported		

BA209
SE **CA WELLS** **CADWR8000015768**
2 - 3 Miles
Higher

State Well #:	11N20W04G001S	Station ID:	11441
Well Name:	11N20W04G001S	Well Use:	Observation
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BA210
SE **CA WELLS** **CADWR0000032610**
2 - 3 Miles
Higher

Well ID:	11N20W04G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W04G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W04G001S&store_num=		
GeoTracker Data:	Not Reported		

BB211
SW **FED USGS** **USGS40000160198**
2 - 3 Miles
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N021W01K001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1200
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1951-12-08
Feet below surface:	177.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BB212
SW
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00011454**

Well ID:	USGS-350412119042401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350412119042401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350412119042401&store_num=		
GeoTracker Data:	Not Reported		

BB213
SW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015773**

State Well #:	11N21W01K001S	Station ID:	12144
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BC214
West
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00009322**

Well ID:	USGS-350635119053803	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053803	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053803&store_num=		
GeoTracker Data:	Not Reported		

BC215
West
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00002696**

Well ID:	USGS-350635119053802	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053802	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053802&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BC216
West
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00001678**

Well ID:	USGS-350635119053801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053801&store_num=		
GeoTracker Data:	Not Reported		

BC217
West
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00008208**

Well ID:	USGS-350635119053804	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350635119053804	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350635119053804&store_num=		
GeoTracker Data:	Not Reported		

BC218
West
2 - 3 Miles
Higher

FED USGS **USGS40000160646**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P002M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900805	Well Depth:	57
Well Depth Units:	ft	Well Hole Depth:	57
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	7.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1993-07-14	Feet below surface:	6.39
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-05-04	Feet below surface:	6.69
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-24	Feet below surface:	6.46
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-02	Feet below surface:	7.26

Feet to sea level: Not Reported
Note: A nearby site that taps the same aquifer was being pumped.

Level reading date:	1993-02-05	Feet below surface:	7.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-24	Feet below surface:	8.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-01	Feet below surface:	7.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	7.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-09	Feet below surface:	7.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-04	Feet below surface:	7.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-01	Feet below surface:	7.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	6.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-30	Feet below surface:	6.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-03	Feet below surface:	6.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-06	Feet below surface:	6.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-31	Feet below surface:	7.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-02	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	7.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	6.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	6.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	6.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	6.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	6.92
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-05-02	Feet below surface:	7.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	7.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	7.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	7.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-07	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported

BC219
West
2 - 3 Miles
Higher

FED USGS **USGS40000160645**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900804	Well Depth:	20
Well Depth Units:	ft	Well Hole Depth:	20
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	7.97	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1993-07-14	Feet below surface:	7.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-04	Feet below surface:	7.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-24	Feet below surface:	7.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-02	Feet below surface:	7.73
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1993-02-05	Feet below surface:	8.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-24	Feet below surface:	8.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-01	Feet below surface:	8.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	8.65
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-09-09	Feet below surface:	8.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-04	Feet below surface:	7.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-01	Feet below surface:	8.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-30	Feet below surface:	6.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-03	Feet below surface:	7.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-06	Feet below surface:	7.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-31	Feet below surface:	7.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	8.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-02	Feet below surface:	8.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	7.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	7.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	7.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	7.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	7.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	7.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	7.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	7.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	8.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	8.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-07	Feet below surface:	6.94
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BC220
West
2 - 3 Miles
Higher | **FED USGS** | **USGS40000160648**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P004M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900805	Well Depth:	214
Well Depth Units:	ft	Well Hole Depth:	220
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	75.39	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1993-07-14	Feet below surface:	75.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-04	Feet below surface:	76.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-24	Feet below surface:	76.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-02	Feet below surface:	76.66
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1993-02-05	Feet below surface:	77.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-24	Feet below surface:	77.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-01	Feet below surface:	78.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	78.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-09	Feet below surface:	78.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-04	Feet below surface:	78.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-01	Feet below surface:	78.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	78.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-30	Feet below surface:	78.16

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-03	Feet below surface:	78.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-06	Feet below surface:	78.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-31	Feet below surface:	78.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	78.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-02	Feet below surface:	79.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	80.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	80.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	80.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	78.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	77.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	77.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	77.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	76.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	77.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	76.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-08	Feet below surface:	76.69
Feet to sea level:	Not Reported	Note:	Not Reported

BC221
West
2 - 3 Miles
Higher

FED USGS **USGS40000160647**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E29P003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19900805	Well Depth:	100
Well Depth Units:	ft	Well Hole Depth:	100
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	30	Level reading date:	1993-09-22
Feet below surface:	11.34	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1993-07-14	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-05-04	Feet below surface:	11.59
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-24	Feet below surface:	11.72
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-03-02	Feet below surface:	12.18
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		

Level reading date:	1993-02-05	Feet below surface:	12.43
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-24	Feet below surface:	12.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-01	Feet below surface:	12.75
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-10-01	Feet below surface:	12.43
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-09-09	Feet below surface:	12.34
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-08-04	Feet below surface:	12.24
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-07-01	Feet below surface:	11.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-06-03	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-04-30	Feet below surface:	11.14
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-04-03	Feet below surface:	11.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-03-06	Feet below surface:	11.76
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-01-31	Feet below surface:	12.14
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-01-02	Feet below surface:	12.14
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-12-02	Feet below surface:	12.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-05	Feet below surface:	12.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	11.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-30	Feet below surface:	11.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	11.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	11.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-30	Feet below surface:	11.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	11.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	11.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-08	Feet below surface:	11.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-31	Feet below surface:	11.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-06	Feet below surface:	10.63
Feet to sea level:	Not Reported	Note:	Not Reported

BD222
ESE
2 - 3 Miles
Higher

FED USGS **USGS40000160399**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	012N020W34B001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	804
Well Hole Depth Units:	ft		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BE223
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR0000030465**

Well ID:	32S28E29F080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E29F080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E29F080M&store_num=		
GeoTracker Data:	Not Reported		

224
South
2 - 3 Miles
Higher

FED USGS **USGS40000160146**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W08B015	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	38
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

225
South
2 - 3 Miles
Higher

FED USGS **USGS40000160149**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W06Q002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	12
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-04-07
Feet below surface:	9.50	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

226
SE
2 - 3 Miles
Higher

CA WELLS **CADWR0000012564**

Well ID:	12N20W34P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W34P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W34P001S&store_num=		
GeoTracker Data:	Not Reported		

227
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000027815**

Well ID:	11N21W01K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N21W01K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N21W01K001S&store_num=		
GeoTracker Data:	Not Reported		

BE228
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR0000025685**

Well ID:	32S28E29F001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E29F001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E29F001M&store_num=		
GeoTracker Data:	Not Reported		

BF229
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015729**

State Well #:	11N20W06P001S	Station ID:	11583
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BF230
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR0000001713**

Well ID:	11N20W06P001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	11N20W06P001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=11N20W06P001S&store_num=		
GeoTracker Data:	Not Reported		

231
West
2 - 3 Miles
Higher

CA WELLS **CADWR0000027445**

Well ID:	32S27E32A001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E32A001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E32A001M&store_num=		
GeoTracker Data:	Not Reported		

BG232
NW
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00015587**

Well ID:	USGS-350815119042501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350815119042501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350815119042501&store_num=		
GeoTracker Data:	Not Reported		

BG233
NW
2 - 3 Miles
Lower

CA WELLS **CAUSGSN00016216**

Well ID:	USGS-350819119043501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350819119043501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350819119043501&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BG234
NW
2 - 3 Miles
Lower

FED USGS **USGS40000160888**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R004M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	18.6
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1989-06-29
Feet below surface:	5.50	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1989-04-06	Feet below surface:	5.50
Feet to sea level:	Not Reported	Note:	Not Reported

BG235
NW
2 - 3 Miles
Lower

FED USGS **USGS40000160905**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	346
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-01-31
Feet below surface:	39.50	Feet to sea level:	Not Reported
Note:	Not Reported		

BH236
SE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015779**

State Well #:	11N20W04H002S	Station ID:	11443
Well Name:	11N20W04H002S	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BD237
ESE
2 - 3 Miles
Higher

CA WELLS **CADWR8000015914**

State Well #:	12N20W34B001S	Station ID:	15223
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BD238
ESE
2 - 3 Miles
Higher

CA WELLS **CADWR0000002694**

Well ID:	12N20W34B001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N20W34B001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N20W34B001S&store_num=		
GeoTracker Data:	Not Reported		

BI239
East
2 - 3 Miles
Higher

CA WELLS **CADWR8000015984**

State Well #:	32S28E32P001M	Station ID:	37298
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BC240
West
2 - 3 Miles
Higher

CA WELLS **CADWR8000016122**

State Well #:	32S27E29P001M	Station ID:	38349
Well Name:	32S27E29P001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

241
SW
2 - 3 Miles
Higher

CA WELLS **CADWR0000013880**

Well ID:	12N21W36P080S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	12N21W36P080S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12N21W36P080S&store_num=		

GeoTracker Data: Not Reported

BH242
SE
2 - 3 Miles
Higher

FED USGS **USGS40000160202**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W04H002S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19530801	Well Depth:	1107
Well Depth Units:	ft	Well Hole Depth:	1112
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-21
Feet below surface:	322.50	Feet to sea level:	Not Reported
Note:	Not Reported		

BG243
NW
2 - 3 Miles
Lower

CA WELLS **CADWR0000015264**

Well ID:	32S27E16R001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E16R001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E16R001M&store_num=		
GeoTracker Data:	Not Reported		

BI244
East
2 - 3 Miles
Higher

FED USGS **USGS40000160489**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E32P003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	800
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
BG245 **NW** **2 - 3 Miles** **Lower**	**FED USGS**	**USGS40000160889**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S027E16R003M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

	Database	EDR ID Number
BJ246 **ENE** **2 - 3 Miles** **Higher**	**FED USGS**	**USGS40000160744**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	032S028E29F001M	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1958-12-02
Feet below surface:	21.20	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1958-12-02	Feet below surface:	21.20
Feet to sea level:	Not Reported	Note:	Not Reported

	Database	EDR ID Number
247 **ENE** **2 - 3 Miles** **Higher**	**CA WELLS**	**CADWR0000005761**

Well ID:	32S28E29C080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E29C080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E29C080M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

248
NW
2 - 3 Miles
Lower

CA WELLS **CADWR8000016368**

State Well #:	32S27E16R001M	Station ID:	35203
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

249
WNW
2 - 3 Miles
Lower

CA WELLS **CADWR8000016238**

State Well #:	32S27E28D001M	Station ID:	21422
Well Name:	32S27E28D001M	Well Use:	Unknown
Well Type:	Single Well	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BK250
SSW
2 - 3 Miles
Higher

FED USGS **USGS40000160153**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011N020W07C001S	Type:	Well
Description:	Not Reported	HUC:	18030012
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	1025
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-12-05
Feet below surface:	305.20	Feet to sea level:	Not Reported
Note:	Not Reported		

BK251
SSW
2 - 3 Miles
Higher

CA WELLS **CAUSGSN00012567**

Well ID:	USGS-350346119034601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-350346119034601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-350346119034601&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BL252
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR0000026681**

Well ID:	32S28E29T080M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S28E29T080M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S28E29T080M&store_num=		
GeoTracker Data:	Not Reported		

BM253
NW
2 - 3 Miles
Lower

CA WELLS **CADWR0000015986**

Well ID:	32S27E16R002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	32S27E16R002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=32S27E16R002M&store_num=		
GeoTracker Data:	Not Reported		

BM254
NW
2 - 3 Miles
Lower

CA WELLS **CADWR8000016381**

State Well #:	32S27E16R002M	Station ID:	21413
Well Name:	32S27E16R002M	Well Use:	Residential
Well Type:	Single Well	Well Depth:	612
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BL255
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR8000016180**

State Well #:	32S28E29F002M	Station ID:	37290
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BK256
SSW
2 - 3 Miles
Higher

CA WELLS **CADWR8000015733**

State Well #:	11N20W07C001S	Station ID:	11585
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0

Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

BJ257
ENE
2 - 3 Miles
Higher

CA WELLS **CADWR8000016207**

State Well #:	32S28E29F003M	Station ID:	22429
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Kern County	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSW **OIL_GAS** **CAOG14000002946**
2 - 3 Miles

API #:	0402932781	Well #:	3
Well Status:	Plugged	Well Type:	Core Hole
Lease Name:	Pump Station CoreHole	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

2
SSW **OIL_GAS** **CAOG14000002947**
2 - 3 Miles

API #:	0402932782	Well #:	7
Well Status:	Plugged	Well Type:	Core Hole
Lease Name:	Pump Station CoreHole	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

3
ENE **OIL_GAS** **CAOG14000002563**
2 - 3 Miles

API #:	0402932427	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Lease by T & T Oil Co.	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

4
SSW **OIL_GAS** **CAOG14000001455**
2 - 3 Miles

API #:	0402913700	Well #:	2
Well Status:	Plugged	Well Type:	Core Hole
Lease Name:	Pump Station Core Hole	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

5
SSW **OIL_GAS** **CAOG14000001456**
2 - 3 Miles

API #:	0402913701	Well #:	6
Well Status:	Plugged	Well Type:	Core Hole
Lease Name:	Pump Station Core Hole	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

6
East **OIL_GAS** **CAOG14000003985**
2 - 3 Miles

API #:	0402962666	Well #:	1-32
Well Status:	Plugged	Well Type:	Oil & Gas
Lease Name:	MCOR-Cerrina	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	11/30/1980		

7
SSW **OIL_GAS** **CAOG14000001454**
2 - 3 Miles

API #:	0402913699	Well #:	1
Well Status:	Plugged	Well Type:	Core Hole
Lease Name:	Pump Station Core Hole	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

8
NW **OIL_GAS** **CAOG14000002559**
2 - 3 Miles

API #:	0402932423	Well #:	71
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	K.C.L.	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93313	12	1

Federal EPA Radon Zone for KERN County: 2

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

Federal Area Radon Information for KERN COUNTY, CA

Number of sites tested: 94

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.422 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

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 and Wildlife
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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
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.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX E

Environmental Questionnaire with Environmental Lien and AUL Report

KTA Phase I ESA User Questionnaire in Accordance with ASTM E1527-13, Appendix X3

Phase I ESA Matter Associated with this User Questionnaire: Phase I Environmental Site Assessment for the Sandrini Solar Site in California

Site being evaluated via this Phase I ESA Matter: Sandrini Solar Site as describe in the Site Map included in Attachment 1 (herein referred to as the "Site" or the "Property").

Individual Completing this Questionnaire and Relationship to the Site: Timothy Mulé, EDP Renewables North America LLC

Date of Interview: 6-28-2021

No.	Question	Phase I ESA User Representative (Timothy Mulé) Response
1	(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25). Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?	No. The results of the search are included in Attachment 2
2	(2.) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)). Did a search of recorded 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 against the property under federal, tribal, state or local law?	No. The results of the search are included in Attachment 2
3	(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?	No.
4	(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 property 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, the cost for this property reasonably reflects the fair market value of the property.

KTA Phase I ESA User Questionnaire in Accordance with ASTM E1527-13, Appendix X3		
5	(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? (b.) Do you know of specific chemicals that are present or once were present at the property? (c.) Do you know of spills or other chemical releases that have taken place at the property? (d.) Do you know of any environmental cleanups that have taken place at the property?	All my Phase I ESA related knowledge regarding the Site is included in the KTA Phase I ESAs developed for the Sandrini Solar Site Dated: 2-16-2019 and Updated on 8-3-2020, 9-12-2019, and 10-7-2020.
6	(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (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 releases at the property?	All my Phase I ESA related knowledge regarding the Site is included in the KTA Phase I ESAs developed for the Sandrini Solar Site Dated: 2-16-2019 and Updated on 8-3-2020, 9-12-2019, and 10-7-2020.

Name and Signature of Person Interviewed indicating that the responses above are accurate to the best of their knowledge and the date of their signature.

Signature for Phase I ESA User Representative for EDPR - Timothy Mulé:

DocuSigned by:
Timothy Mulé
4BCF2C5D96DF41E...

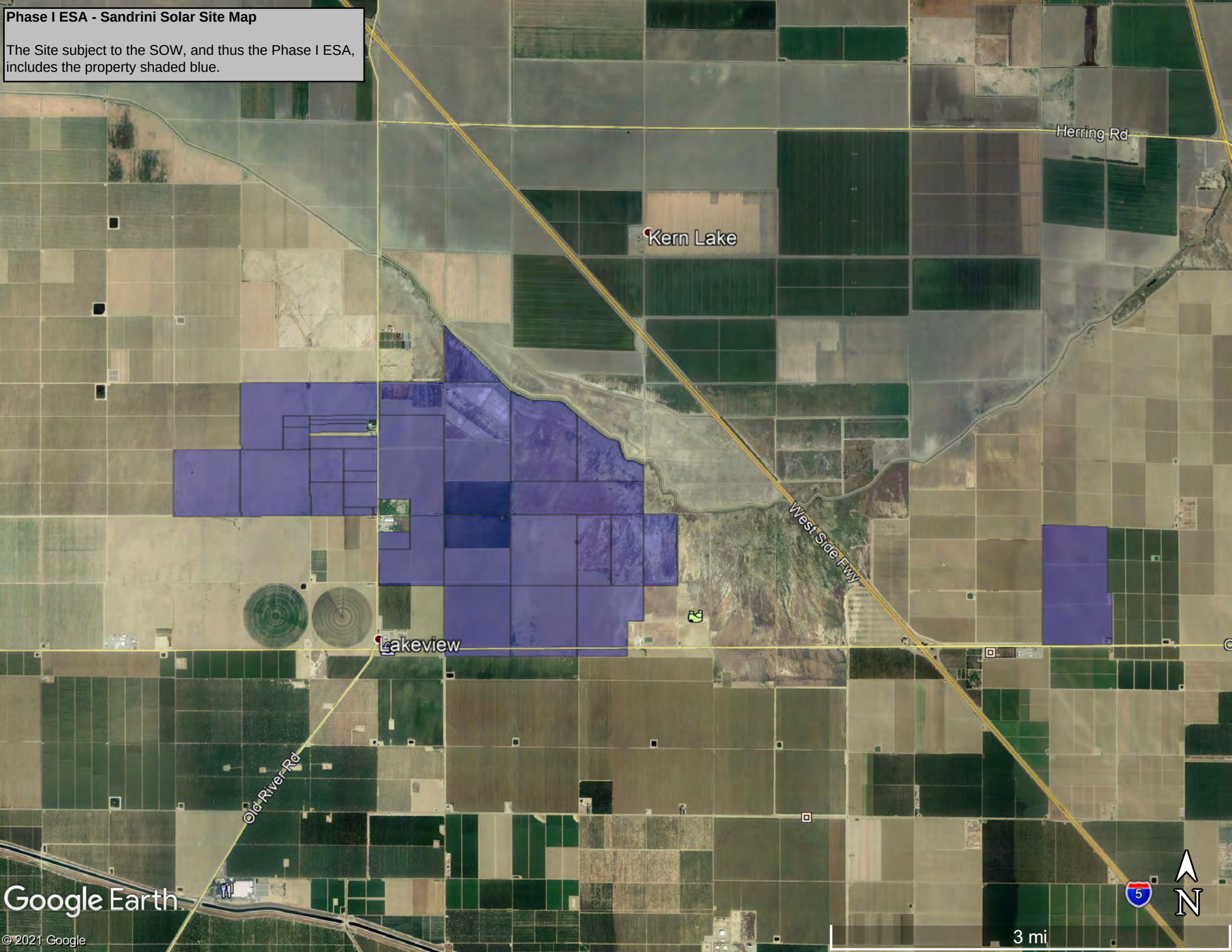
Date: June 29, 2021

Attachment 1

Sandrini Solar Site - Site Map

Phase I ESA - Sandrini Solar Site Map

The Site subject to the SOW, and thus the Phase I ESA, includes the property shaded blue.



Attachment 2

Sandrini Solar Site

Lien and AUL Search Reports

Sandrini Solar Site - AFX Environmental Lien and AUL Reports

Report Number	**PINs**	ATN	Parcel Number
EL1	295-120-15	295-120-15-00-9	295-120-15-8
EL2	295-130-04	295-130-04-00-0	295-130-04-1
EL3	295-130-05	295-130-05-00-3	295-130-05-8
EL4	295-130-07	295-130-07-00-9	295-130-07-4
EL5	295-130-13	295-130-13-00-6	295-130-13-2
EL6	295-130-21	295-130-21-00-9	295-130-21-5
EL7	295-130-26	295-130-26-00-4	295-130-26-4
EL8	295-130-27	295-130-27-00-7	295-130-27-2
EL9	295-130-48	295-130-48-00-8	295-130-48-8
EL10	295-130-51	295-130-51-00-6	295-130-51-2
EL11	295-130-52	295-130-52-00-9	295-130-52-0
EL12	295-130-53	295-130-53-00-2	295-130-53-8
EL13	295-130-54	295-130-54-00-5	295-130-54-6
EL14	295-140-01	295-140-01-00-4	295-140-01-6
EL15	295-140-02	295-140-02-00-7	295-140-02-4
EL16	295-140-03	295-140-03-00-0	295-140-03-2
EL17	295-140-04	295-140-04-00-3	295-140-04-0
EL18	295-140-06	295-140-06-00-9	295-140-06-5
EL19	295-140-07	295-140-07-00-2	295-140-07-3
EL20	295-140-08	295-140-08-00-5	295-140-08-1
EL21	295-100-19	295-100-19-01-4	295-100-19-2
EL22	295-130-32	295-130-32-00-1	295-130-32-2
EL23	295-130-57	295-130-57-00-4	295-130-57-9
EL24	295-130-62	295-130-62-00-8	295-130-62-9
EL25	295-130-64	295-130-64-00-4	295-130-64-5
EL26	295-130-71	295-130-71-00-4	295-130-71-0
EL27	295-050-17	295-050-17-00-5	295-050-17-3
EL28	295-130-02	295-130-02-00-4	295-130-02-5
EL29	295-130-81	295-130-81-00-3	295-130-81-9
EL30	295-130-83	295-130-83-00-9	295-130-83-5
EL31	295-130-85 Formerly PIN 295-130-82	295-130-85-00-5	295-130-85-0
EL32	295-130-86 Formerly PIN 295-130-82	295-130-86-00-8	295-130-86-8
EL33	445-062-34 Formerly PIN 445-062-01	445-062-34-00-4	445-062-34-2

ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE - EL1

AFX Reference Number:
79-204247-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

AFX RESEARCH, LLC

A Quarter-Century of Title Document Research Expertise

999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-120-15 County: KERN
Legal Description: SECTION 34 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE - EL1

AFX Reference Number:
79-204247-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE - EL2

AFX Reference Number:
79-204251-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

AFX RESEARCH, LLC

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(877) 848-5337 / www.afxllc.com

Order #: SANDRINI SOLAR SITE - EL2 | Reference #: 79-204251-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-04 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/0210 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE - EL2

AFX Reference Number:
79-204251-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE - EL3

AFX Reference Number:
79-204252-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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(877) 848-5337 / www.afxllc.com

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-05 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE - EL3

AFX Reference Number:
79-204252-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL4

AFX Reference Number:
79-204253-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL4 | Reference #: 79-204253-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-07 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL4

AFX Reference Number:
79-204253-47

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- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL5

AFX Reference Number:
79-204254-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL5 | Reference #: 79-204254-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-13 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL5

AFX Reference Number:
79-204254-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL6

AFX Reference Number:
79-204255-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL6 | Reference #: 79-204255-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-21 County: KERN
Legal Description: SECTION 28 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/0210 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL6

AFX Reference Number:
79-204255-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL7

AFX Reference Number:
79-204256-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL7 | Reference #: 79-204256-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-26 County: KERN
Legal Description: SECTION 33 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL7

AFX Reference Number:
79-204256-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL8

AFX Reference Number:
79-204257-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL8 | Reference #: 79-204257-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-27 County: KERN
Legal Description: SECTION 33 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL8

AFX Reference Number:
79-204257-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL9

AFX Reference Number:
79-204258-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL9 | Reference #: 79-204258-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-48 County: KERN
Legal Description: SECTION 33 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL9

AFX Reference Number:
79-204258-47

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- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL10

AFX Reference Number:
79-204259-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL10 | Reference #: 79-204259-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-51 County: KERN
Legal Description: SECTION 28 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL10

AFX Reference Number:
79-204259-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL11

AFX Reference Number:
79-204260-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

Order #: SANDRINI SOLAR SITE – EL11 | Reference #: 79-204260-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-52 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL11

AFX Reference Number:
79-204260-47

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- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL12

AFX Reference Number:
79-204261-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL12 | Reference #: 79-204261-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-53 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL12

AFX Reference Number:
79-204261-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL13

AFX Reference Number:
79-204262-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL13 | Reference #: 79-204262-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-54 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

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Order Number:
SANDRINI SOLAR SITE – EL13

AFX Reference Number:
79-204262-47

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- Environmental Lien information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL14

AFX Reference Number:
79-204263-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE

Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC

Property Description: N/A

County, State: KERN COUNTY, CA

APN/Parcel/PIN: 295-140-01 County: KERN

Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607

Dated: 12/13/2010

Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST

Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL14

AFX Reference Number:
79-204263-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL15

AFX Reference Number:
79-204264-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL15 | Reference #: 79-204264-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-140-02 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL15

AFX Reference Number:
79-204264-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL16

AFX Reference Number:
79-204265-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL16 | Reference #: 79-204265-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-140-03 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL16

AFX Reference Number:
79-204265-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Environmental Lien information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL17

AFX Reference Number:
79-204266-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL17 | Reference #: 79-204266-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-140-04 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL17

AFX Reference Number:
79-204266-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL18

AFX Reference Number:
79-204267-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL18 | Reference #: 79-204267-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-140-06 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL18

AFX Reference Number:
79-204267-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL19

AFX Reference Number:
79-204268-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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(877) 848-5337 / www.afxllc.com

Order #: SANDRINI SOLAR SITE – EL19 | Reference #: 79-204268-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-140-07 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL19

AFX Reference Number:
79-204268-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL20

AFX Reference Number:
79-204269-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL20 | Reference #: 79-204269-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): TBS PROPERTIES, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-140-08 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUIT CLAIM DEED**

Date Recorded: 12/23/2010 Instrument: 0210179607
Dated: 12/13/2010
Grantor(s): J STANLEY ANTONGIOVANNI AND KATHLEEN ANTONGIOVANNI, AS TRUSTEES OF THE ANTONGIOVANNI FAMILY TRUST
Grantee(s): TBS PROPERTIES, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL20

AFX Reference Number:
79-204269-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL21

AFX Reference Number:
79-204270-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL21 | Reference #: 79-204270-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): WILLOW AVENUE INVESTMENTS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-100-19 County: KERN
Legal Description: SECTION 20 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 04/03/2020 Instrument: 220056309
Dated: 05/04/2020
Grantor(s): COPUS RIVER FARMS, LLC
Grantee(s): WILLOW AVENUE INVESTMENTS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL21

AFX Reference Number:
79-204270-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL22

AFX Reference Number:
79-204271-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL22 | Reference #: 79-204271-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): WILLOW AVENUE INVESTMENTS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-32 County: KERN
Legal Description: SECTION 32 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 04/03/2020 Instrument: 220056309
Dated: 05/04/2020
Grantor(s): COPUS RIVER FARMS, LLC
Grantee(s): WILLOW AVENUE INVESTMENTS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL22

AFX Reference Number:
79-204271-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL23

AFX Reference Number:
79-204272-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL23 | Reference #: 79-204272-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): WILLOW AVENUE INVESTMENTS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-57 County: KERN
Legal Description: SECTION 29 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 04/03/2020 Instrument: 220056309
Dated: 05/04/2020
Grantor(s): COPUS RIVER FARMS, LLC
Grantee(s): WILLOW AVENUE INVESTMENTS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL23

AFX Reference Number:
79-204272-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL24

AFX Reference Number:
79-204273-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL24 | Reference #: 79-204273-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): WILLOW AVENUE INVESTMENTS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-62 County: KERN
Legal Description: SECTION 29 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 04/03/2020 Instrument: 220056309
Dated: 05/04/2020
Grantor(s): COPUS RIVER FARMS, LLC
Grantee(s): WILLOW AVENUE INVESTMENTS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL24

AFX Reference Number:
79-204273-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL25

AFX Reference Number:
79-204274-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL25 | Reference #: 79-204274-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): WILLOW AVENUE INVESTMENTS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-64 County: KERN
Legal Description: PARCEL MAP 9373 , LOT 2

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 04/03/2020 Instrument: 220056309
Dated: 05/04/2020
Grantor(s): COPUS RIVER FARMS, LLC
Grantee(s): WILLOW AVENUE INVESTMENTS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL25

AFX Reference Number:
79-204274-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL26

AFX Reference Number:
79-204275-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL26 | Reference #: 79-204275-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): WILLOW AVENUE INVESTMENTS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-71 County: KERN
Legal Description: SECTION 32 , TOWNSHIP 32 , RANGE 27 , QUARTER NE

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 04/03/2020 Instrument: 220056309
Dated: 05/04/2020
Grantor(s): COPUS RIVER FARMS, LLC
Grantee(s): WILLOW AVENUE INVESTMENTS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL26

AFX Reference Number:
79-204275-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL27

AFX Reference Number:
79-204276-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL27 | Reference #: 79-204276-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): SECURITY F.S.E TWHO-HUNDRED AND TWENTY-ONE, INC AND SECURITY F.S.E. TWO-HUNDRED AND TWENTY-TWO, INC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-050-17 County: KERN
Legal Description: SECTION 25 , TOWNSHIP 32 , RANGE 26 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 10/21/2014 Instrument: 214130742
Dated: 10/17/2014
Grantor(s): TBS PROPERTIES, LLC
Grantee(s): SECURITY F.S.E TWHO-HUNDRED AND TWENTY-ONE, INC AND SECURITY F.S.E. TWO-HUNDRED AND TWENTY-TWO, INC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL27

AFX Reference Number:
79-204276-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

Our professional network of trained researchers follow established industry protocols and use client-supplied property information to complete this Environmental Lien and AUL report. The research is conducted at all appropriate government offices based on the location of the subject property. This would include City, County, State, Federal and Tribal offices as needed. The report includes:

- Current deed information (i.e. grantor, grantee, recording dates)
- Legal Description
- Environmental Lien information
- Activity and Use Limitation information
- Any Environmental Liens and/or documents referencing AULs that are listed within our summary report

DISCLAIMER

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL28

AFX Reference Number:
79-204277-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

AFX RESEARCH, LLC

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999 Monterey St. Suite 380, San Luis Obispo, CA 93401

(877) 848-5337 / www.afxllc.com

Order #: SANDRINI SOLAR SITE – EL28 | Reference #: 79-204277-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): C & A FARMS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-02 County: KERN
Legal Description: SECTION 30 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 01/20/2015 Instrument: 215006026
Dated: 01/09/2015
Grantor(s): SECURITY F.S.E. TWO-HUNDRED AND TWENTY-TWO, INC
Grantee(s): C & A FARMS LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL28

AFX Reference Number:
79-204277-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL29

AFX Reference Number:
79-204278-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL29 | Reference #: 79-204278-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): C & A FARMS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-81 County: KERN
Legal Description: SECTION 33 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **QUITCLAIM DEED**

Date Recorded: 01/12/2017 Instrument: 217004893
Dated: 12/04/2015
Grantor(s): MARICOPA EAST SOLAR PV 2, LLC
Grantee(s): C & A FARMS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL29

AFX Reference Number:
79-204278-47

Our Environmental Lien and AUL report provides a summary of recorded information on a specific property from the time the current owner purchased the property, to present time. The report is intended to assist in the search for environmental liens filed in land title records. The report will verify property ownership and provide information on recorded environmental liens and/or Activity and Use Limitations that have been recorded from the time the current owner purchased the property, forward.

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL30

AFX Reference Number:
79-204279-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL30 | Reference #: 79-204279-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): C & A FARMS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-83 County: KERN
Legal Description: SECTION 33 , TOWNSHIP 32 , RANGE 27 , QUARTER

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 06/15/2012 Instrument: 212080587
Dated: 06/07/2012
Grantor(s): C & A FARMS, LLC
Grantee(s): C & A FARMS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL30

AFX Reference Number:
79-204279-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL31

AFX Reference Number:
79-204280-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL31 | Reference #: 79-204280-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): C & A FARMS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-85 County: KERN
Legal Description: PARCEL MAP 12157 , LOT 2

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 06/15/2012 Instrument: 212080587
Dated: 06/07/2012
Grantor(s): C & A FARMS, LLC
Grantee(s): C & A FARMS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL31

AFX Reference Number:
79-204280-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL32

AFX Reference Number:
79-204281-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL32 | Reference #: 79-204281-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): C & A FARMS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 295-130-86 County: KERN
Legal Description: PARCEL MAP 12157 , LOT 1

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 06/15/2012 Instrument: 212080587
Dated: 06/07/2012
Grantor(s): C & A FARMS, LLC
Grantee(s): C & A FARMS, LLC

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

For questions, please contact our office at 1-877-848-5337.

Order Number:
SANDRINI SOLAR SITE – EL32

AFX Reference Number:
79-204281-47

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ENVIRONMENTAL LIEN AND AUL REPORT

Order Number:
SANDRINI SOLAR SITE – EL33

AFX Reference Number:
79-204282-47

Subject Property:
KERN COUNTY, CA

Effective:
06/19/2021

Completed:
06/19/2021

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Order #: SANDRINI SOLAR SITE – EL33 | Reference #: 79-204282-47 | Completed: 06/19/2021 | Effective: 06/19/2021

SOURCES SEARCHED

Source 1: KERN COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

TARGET PROPERTY

Current Owner(s): C & A FARMS, LLC
Property Description: N/A
County, State: KERN COUNTY, CA
APN/Parcel/PIN: 445-062-34 County: KERN
Legal Description: LLA 51-14 PAR A

PROPERTY OWNERSHIP

Instrument: **GRANT DEED**

Date Recorded: 10/11/2017 Instrument: 217136190
Dated: 09/05/2017
Grantor(s): WF RANCH L.P.
Grantee(s): WF RANCH L.P.

ENVIRONMENTAL LIENS

NO ENVIRONMENTAL LIENS FOUND FOR SUBJECT PROPERTY.

ACTIVITY AND USE LIMITATIONS (AUL)

NO AUL FOUND FOR SUBJECT PROPERTY.

LEASES

NO LEASES FOUND FOR SUBJECT PROPERTY.

MISCELLANEOUS INSTRUMENTS

NO MISCELLANEOUS INSTRUMENTS FOUND FOR SUBJECT PROPERTY.

THANK YOU FOR YOUR ORDER

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Order Number:
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AFX Reference Number:
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APPENDIX F

Soil Sampling Data Set

Soil Sampling Data Sets in the San Joaquin Valley

Two soil sampling events that were conducted at potential solar sites in the San Joaquin valley to investigate whether agricultural contaminants have impacted the properties, are included as representative of typical agricultural properties in the region. The data sets are for separate properties located near Lemoore, California. The first data set is from 2012 and is presented in Attachment 1. The second data set is from 2017 and is presented in Attachment 2.

Attachment 1

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Project:	
Project Number:	**Reported:**
Project Manager:	11/29/12 15:56

S-1 A-D

T121930-53 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*48.3 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-1 A-D

T121930-53 (Soil)

SunStar Laboratories, Inc.

Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*90.6 %*		*35-150*	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Project:	
Project Number:	**Reported:**
Project Manager:	11/29/12 15:56

S-2 A-D

T121930-54 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*47.4 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-2 A-D

T121930-54 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorinated Herbicides by EPA Method 8151A									
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*86.7 %*	*35-150*		"	"	"	"	

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Daniel Chavez, Project Manager

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Project Manager:	11/29/12 15:56

S-3 A-D

T121930-55 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*54.0 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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S-3 A-D

T121930-55 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorinated Herbicides by EPA Method 8151A									
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*105 %*	*35-150*		"	"	"	"	

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S-4 A-D

T121930-56 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*51.9 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Daniel Chavez, Project Manager

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S-4 A-D

T121930-56 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorinated Herbicides by EPA Method 8151A									
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*100 %*	*35-150*		"	"	"	"	

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S-5 A-D

T121930-57 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*53.4 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Project Manager:		11/29/12 15:56

S-5 A-D

T121930-57 (Soil)

SunStar Laboratories, Inc.

Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*95.6 %*	*35-150*		"	"	"	"	

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Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-6 A-D

T121930-58 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*49.2 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Project Manager:		11/29/12 15:56

S-6 A-D

T121930-58 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorinated Herbicides by EPA Method 8151A									
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*108 %*	*35-150*		"	"	"	"	

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Project:	
Project Number:	**Reported:**
Project Manager:	11/29/12 15:56

S-7 A-D

T121930-59 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*56.2 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-7 A-D

T121930-59 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorinated Herbicides by EPA Method 8151A									
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*99.4 %*	*35-150*		"	"	"	"	

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Daniel Chavez, Project Manager

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Project:	
Project Number:	**Reported:**
Project Manager:	11/29/12 15:56

S-8 A-D

T121930-60 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*49.4 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Daniel Chavez, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-8 A-D

T121930-60 (Soil)

SunStar Laboratories, Inc.

Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*93.9 %*	*35-150*		"	"	"	"	

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Project:	
Project Number:	**Reported:**
Project Manager:	11/29/12 15:56

S-9 A-D

T121930-61 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*45.0 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Daniel Chavez, Project Manager

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Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-9 A-D

T121930-61 (Soil)

SunStar Laboratories, Inc.

Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*96.5 %*	*35-150*		"	"	"	"	

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Project:	
Project Number:	**Reported:**
Project Manager:	11/29/12 15:56

S-10 A-D

T121930-62 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	2103014	10/30/12	11/01/12	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	10	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	200	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*59.5 %*	*35-140*		"	"	"	"	
Chlorinated Herbicides by EPA Method 8151A									
2,4,5-T	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	

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Project:		
Project Number:		**Reported:**
Project Manager:		11/29/12 15:56

S-10 A-D

T121930-62 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorinated Herbicides by EPA Method 8151A									
Chloramben	ND	5.00	ug/kg	1	2103020	10/30/12	11/02/12	8151	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA		*90.7 %*		*35-150*	"	"	"	"	

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Daniel Chavez, Project Manager

Attachment 2

Client Sample ID: SS-01
Date Collected: 11/08/17 09:30
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-1
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		87		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
4-Nitrophenol	ND		63		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
Dicamba	ND		77		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
Mecoprop	ND		87		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
MCPA	ND		48		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
Dichlorprop	ND		48		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
2,4-D	ND		58		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
Pentachlorophenol	ND		48		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
Silvex (2,4,5-TP)	ND		87		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
2,4,5-T	ND		63		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
Dinoseb	ND		150		ug/Kg		11/15/17 09:19	11/15/17 17:15	1
2,4-DB	ND		48		ug/Kg		11/15/17 09:19	11/15/17 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*67*		*10 - 150*	*11/15/17 09:19*	*11/15/17 17:15*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
alpha-BHC	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
beta-BHC	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
delta-BHC	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
gamma-BHC (Lindane)	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
4,4'-DDD	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
4,4'-DDE	**150**		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
4,4'-DDT	**20**		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Dieldrin	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Endosulfan I	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Endosulfan II	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Endosulfan sulfate	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Endrin	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Endrin aldehyde	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Heptachlor	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Heptachlor epoxide	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Methoxychlor	ND		28		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Endrin ketone	ND		5.6		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
Toxaphene	**440**		280		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
alpha-Chlordane	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3
gamma-Chlordane	ND		2.8		ug/Kg		11/16/17 09:15	11/17/17 01:35	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*38 - 121*	*11/16/17 09:15*	*11/17/17 01:35*	*3*
DCB Decachlorobiphenyl	*84*		*16 - 123*	*11/16/17 09:15*	*11/17/17 01:35*	*3*

Client Sample ID: SS-02
Date Collected: 11/08/17 09:45
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-2
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		88		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
4-Nitrophenol	ND		64		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
Dicamba	ND		78		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
Mecoprop	ND	F1	88		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
MCPA	ND	F1	49		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
Dichlorprop	ND		49		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
2,4-D	ND	F1	59		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
Pentachlorophenol	ND	F1	49		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
Silvex (2,4,5-TP)	ND	F1	88		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
2,4,5-T	ND	F1	64		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
Dinoseb	ND		160		ug/Kg		11/15/17 09:19	11/15/17 17:40	1
2,4-DB	ND	F1	49		ug/Kg		11/15/17 09:19	11/15/17 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*42*		*10 - 150*	*11/15/17 09:19*	*11/15/17 17:40*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
alpha-BHC	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
beta-BHC	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
delta-BHC	**1.1**	**p**	0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
gamma-BHC (Lindane)	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
4,4'-DDD	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
4,4'-DDE	**110**		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
4,4'-DDT	**7.0**		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Dieldrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Endosulfan I	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Endosulfan II	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Endosulfan sulfate	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Endrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Endrin aldehyde	ND	F2	2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Heptachlor	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Heptachlor epoxide	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Methoxychlor	ND	F2	9.9		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Endrin ketone	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
Toxaphene	**180**		99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
alpha-Chlordane	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1
gamma-Chlordane	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*38 - 121*	*11/16/17 09:15*	*11/17/17 01:54*	*1*
DCB Decachlorobiphenyl	*78*		*16 - 123*	*11/16/17 09:15*	*11/17/17 01:54*	*1*

Client Sample ID: SS-03 | **Lab Sample ID: 580-72864-3**
Date Collected: 11/08/17 10:12 | **Matrix: Solid**
Date Received: 11/13/17 12:30

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		89		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
4-Nitrophenol	ND		64		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
Dicamba	ND		79		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
Mecoprop	ND		89		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
MCPA	ND		50		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
Dichlorprop	ND		50		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
2,4-D	ND		59		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
Pentachlorophenol	ND		50		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
Silvex (2,4,5-TP)	ND		89		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
2,4,5-T	ND		64		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
Dinoseb	ND		160		ug/Kg		11/15/17 09:19	11/15/17 18:59	1
2,4-DB	ND		50		ug/Kg		11/15/17 09:19	11/15/17 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*39*		*10 - 150*	*11/15/17 09:19*	*11/15/17 18:59*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
alpha-BHC	ND		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
beta-BHC	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
delta-BHC	**1.2**		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
gamma-BHC (Lindane)	ND		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
4,4'-DDD	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
4,4'-DDE	**38**		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
4,4'-DDT	**4.5**		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Dieldrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Endosulfan I	ND		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Endosulfan II	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Endosulfan sulfate	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Endrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Endrin aldehyde	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Heptachlor	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Heptachlor epoxide	**1.3**		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Methoxychlor	ND		9.6		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Endrin ketone	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
Toxaphene	ND		96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
alpha-Chlordane	ND		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1
gamma-Chlordane	ND		0.96		ug/Kg		11/16/17 09:15	11/17/17 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*38 - 121*	*11/16/17 09:15*	*11/17/17 02:52*	*1*
DCB Decachlorobiphenyl	*78*		*16 - 123*	*11/16/17 09:15*	*11/17/17 02:52*	*1*

Client Sample ID: SS-04
Date Collected: 11/08/17 12:00
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-4
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		89		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
4-Nitrophenol	ND		64		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
Dicamba	ND		79		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
Mecoprop	ND		89		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
MCPA	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
Dichlorprop	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
2,4-D	ND		59		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
Pentachlorophenol	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
Silvex (2,4,5-TP)	ND		89		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
2,4,5-T	ND		64		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
Dinoseb	ND		160		ug/Kg		11/15/17 09:19	11/15/17 19:25	1
2,4-DB	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*17*		*10 - 150*	*11/15/17 09:19*	*11/15/17 19:25*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
alpha-BHC	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
beta-BHC	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
delta-BHC	**1.3**		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
gamma-BHC (Lindane)	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
4,4'-DDD	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
4,4'-DDE	**14**		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
4,4'-DDT	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Dieldrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Endosulfan I	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Endosulfan II	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Endosulfan sulfate	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Endrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Endrin aldehyde	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Heptachlor	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Heptachlor epoxide	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Methoxychlor	ND		9.4		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Endrin ketone	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
Toxaphene	ND		94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
alpha-Chlordane	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1
gamma-Chlordane	ND		0.94		ug/Kg		11/16/17 09:15	11/17/17 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*38 - 121*	*11/16/17 09:15*	*11/17/17 03:11*	*1*
DCB Decachlorobiphenyl	*65*		*16 - 123*	*11/16/17 09:15*	*11/17/17 03:11*	*1*

Client Sample ID: SS-05
Date Collected: 11/08/17 12:30
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-5
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		88		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
4-Nitrophenol	ND		64		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
Dicamba	ND		78		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
Mecoprop	ND		88		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
MCPA	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
Dichlorprop	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
2,4-D	ND		59		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
Pentachlorophenol	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
Silvex (2,4,5-TP)	ND		88		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
2,4,5-T	ND		64		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
Dinoseb	ND		160		ug/Kg		11/15/17 09:19	11/15/17 19:51	1
2,4-DB	ND		49		ug/Kg		11/15/17 09:19	11/15/17 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*25*		*10 - 150*	*11/15/17 09:19*	*11/15/17 19:51*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
alpha-BHC	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
beta-BHC	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
delta-BHC	**3.1**		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
gamma-BHC (Lindane)	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
4,4'-DDD	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
4,4'-DDE	**14**		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
4,4'-DDT	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Dieldrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Endosulfan I	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Endosulfan II	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Endosulfan sulfate	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Endrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Endrin aldehyde	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Heptachlor	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Heptachlor epoxide	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Methoxychlor	ND		9.8		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Endrin ketone	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
Toxaphene	ND		98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
alpha-Chlordane	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1
gamma-Chlordane	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*38 - 121*	*11/16/17 09:15*	*11/17/17 03:30*	*1*
DCB Decachlorobiphenyl	*61*		*16 - 123*	*11/16/17 09:15*	*11/17/17 03:30*	*1*

Client Sample ID: SS-06
Date Collected: 11/08/17 13:09
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-6
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		89		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
4-Nitrophenol	ND		65		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
Dicamba	ND		79		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
Mecoprop	ND		89		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
MCPA	ND		50		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
Dichlorprop	ND		50		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
2,4-D	ND		60		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
Pentachlorophenol	**66**		50		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
Silvex (2,4,5-TP)	ND		89		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
2,4,5-T	ND		65		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
Dinoseb	ND		160		ug/Kg		11/15/17 09:19	11/16/17 17:25	1
2,4-DB	ND		50		ug/Kg		11/15/17 09:19	11/16/17 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*59*		*10 - 150*	*11/15/17 09:19*	*11/16/17 17:25*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
alpha-BHC	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
beta-BHC	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
delta-BHC	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
gamma-BHC (Lindane)	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
4,4'-DDD	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
4,4'-DDE	**28**		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
4,4'-DDT	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Dieldrin	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Endosulfan I	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Endosulfan II	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Endosulfan sulfate	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Endrin	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Endrin aldehyde	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Heptachlor	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Heptachlor epoxide	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Methoxychlor	ND		29		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Endrin ketone	ND		5.8		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
Toxaphene	ND		290		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
alpha-Chlordane	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3
gamma-Chlordane	ND		2.9		ug/Kg		11/16/17 09:15	11/17/17 03:49	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*38 - 121*	*11/16/17 09:15*	*11/17/17 03:49*	*3*
DCB Decachlorobiphenyl	*74*		*16 - 123*	*11/16/17 09:15*	*11/17/17 03:49*	*3*

Client Sample ID: SS-07
Date Collected: 11/08/17 12:01
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-7
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		89		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
4-Nitrophenol	ND		64		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
Dicamba	ND		79		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
Mecoprop	ND		89		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
MCPA	ND		49		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
Dichlorprop	ND		49		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
2,4-D	ND		59		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
Pentachlorophenol	ND		49		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
Silvex (2,4,5-TP)	ND		89		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
2,4,5-T	ND		64		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
Dinoseb	ND		160		ug/Kg		11/15/17 09:19	11/16/17 17:51	1
2,4-DB	ND		49		ug/Kg		11/15/17 09:19	11/16/17 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*		*10 - 150*	*11/15/17 09:19*	*11/16/17 17:51*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
alpha-BHC	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
beta-BHC	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
delta-BHC	**2.0**		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
gamma-BHC (Lindane)	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
4,4'-DDD	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
4,4'-DDE	**12**		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
4,4'-DDT	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Dieldrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Endosulfan I	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Endosulfan II	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Endosulfan sulfate	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Endrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Endrin aldehyde	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Heptachlor	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Heptachlor epoxide	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Methoxychlor	ND		9.9		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Endrin ketone	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
Toxaphene	ND		99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
alpha-Chlordane	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1
gamma-Chlordane	ND		0.99		ug/Kg		11/16/17 09:15	11/17/17 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*38 - 121*	*11/16/17 09:15*	*11/17/17 04:08*	*1*
DCB Decachlorobiphenyl	*60*		*16 - 123*	*11/16/17 09:15*	*11/17/17 04:08*	*1*

Client Sample ID: SS-08
Date Collected: 11/08/17 09:50
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-8
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		87		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
4-Nitrophenol	ND		63		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
Dicamba	ND		77		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
Mecoprop	ND		87		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
MCPA	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
Dichlorprop	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
2,4-D	ND		58		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
Pentachlorophenol	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
Silvex (2,4,5-TP)	ND		87		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
2,4,5-T	ND		63		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
Dinoseb	ND		150		ug/Kg		11/15/17 09:19	11/16/17 18:17	1
2,4-DB	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*23*		*10 - 150*	*11/15/17 09:19*	*11/16/17 18:17*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
alpha-BHC	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
beta-BHC	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
delta-BHC	**1.9**		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
gamma-BHC (Lindane)	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
4,4'-DDD	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
4,4'-DDE	**100**		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
4,4'-DDT	**7.1**		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Dieldrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Endosulfan I	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Endosulfan II	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Endosulfan sulfate	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Endrin	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Endrin aldehyde	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Heptachlor	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Heptachlor epoxide	**1.7**		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Methoxychlor	ND		9.8		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Endrin ketone	ND		2.0		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
Toxaphene	ND	p	98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
alpha-Chlordane	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1
gamma-Chlordane	ND		0.98		ug/Kg		11/16/17 09:15	11/17/17 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*38 - 121*	*11/16/17 09:15*	*11/17/17 04:28*	*1*
DCB Decachlorobiphenyl	*61*		*16 - 123*	*11/16/17 09:15*	*11/17/17 04:28*	*1*

Client Sample ID: SS-09
Date Collected: 11/08/17 10:35
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-9
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		87		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
4-Nitrophenol	ND		63		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
Dicamba	ND		77		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
Mecoprop	ND		87		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
MCPA	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
Dichlorprop	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
2,4-D	ND		58		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
Pentachlorophenol	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
Silvex (2,4,5-TP)	ND		87		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
2,4,5-T	ND		63		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
Dinoseb	ND		150		ug/Kg		11/15/17 09:19	11/16/17 18:43	1
2,4-DB	ND		48		ug/Kg		11/15/17 09:19	11/16/17 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*44*		*10 - 150*	*11/15/17 09:19*	*11/16/17 18:43*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
alpha-BHC	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
beta-BHC	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
delta-BHC	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
gamma-BHC (Lindane)	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
4,4'-DDD	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
4,4'-DDE	**7.6**		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
4,4'-DDT	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Dieldrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Endosulfan I	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Endosulfan II	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Endosulfan sulfate	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Endrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Endrin aldehyde	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Heptachlor	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Heptachlor epoxide	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Methoxychlor	ND		9.7		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Endrin ketone	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
Toxaphene	ND		97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
alpha-Chlordane	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1
gamma-Chlordane	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*38 - 121*	*11/16/17 09:15*	*11/17/17 04:47*	*1*
DCB Decachlorobiphenyl	*64*		*16 - 123*	*11/16/17 09:15*	*11/17/17 04:47*	*1*

Client Sample ID: SS-10
Date Collected: 11/08/17 13:25
Date Received: 11/13/17 12:30

Lab Sample ID: 580-72864-10
Matrix: Solid

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	ND		86		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
4-Nitrophenol	ND		62		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
Dicamba	ND		76		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
Mecoprop	ND		86		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
MCPA	ND		48		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
Dichlorprop	ND		48		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
2,4-D	ND		57		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
Pentachlorophenol	ND		48		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
Silvex (2,4,5-TP)	ND		86		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
2,4,5-T	ND		62		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
Dinoseb	ND		150		ug/Kg		11/15/17 09:19	11/16/17 19:09	1
2,4-DB	ND		48		ug/Kg		11/15/17 09:19	11/16/17 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*58*		*10 - 150*	*11/15/17 09:19*	*11/16/17 19:09*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
alpha-BHC	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
beta-BHC	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
delta-BHC	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
gamma-BHC (Lindane)	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
4,4'-DDD	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
4,4'-DDE	**41**		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
4,4'-DDT	**3.1**		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Dieldrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Endosulfan I	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Endosulfan II	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Endosulfan sulfate	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Endrin	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Endrin aldehyde	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Heptachlor	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Heptachlor epoxide	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Methoxychlor	ND		9.7		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Endrin ketone	ND		1.9		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
Toxaphene	ND		97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
alpha-Chlordane	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1
gamma-Chlordane	ND		0.97		ug/Kg		11/16/17 09:15	11/17/17 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*38 - 121*	*11/16/17 09:15*	*11/17/17 05:06*	*1*
DCB Decachlorobiphenyl	*74*		*16 - 123*	*11/16/17 09:15*	*11/17/17 05:06*	*1*

APPENDIX G

Petroleum and Mineral Production Evaluation Information

Mineral Evaluation for Sandrini Sol Solar Site
in Central California

The Sandrini Sol Solar Site properties (the Site) in central California were evaluated for mineral resources. The Site is within the San Joaquin Basin, which is bound to the west by the California Coast Ranges and to the east by the Sierra Nevada Mountains. The geology in this area is associated with Cenozoic nonmarine sedimentary rock and extensive oil and gas resources. The Site does not consist of any active coal or metal mineral resources, as well as no producing oil and gas wells.

The California Department of Conservation (http://www.conservation.ca.gov/) and U.S. Geological Survey (USGS) references were reviewed to determine if coal or mineral resources were located on or in the vicinity of the Site.

The USGS has created a database of all mines, Mineral Resource Data System (MRDS), including active and closed mines and undeveloped mineral occurrences or prospects, which is accessed through the Internet at http://mrdata.usgs.gov. No mines were located within the Site. The closest mine to the Site is the Standard Oil Co. Pit, a closed gravel mine, located approximately one quarter mile east of the western portion of the Site. Attachment A includes the USGS MRDS Mine Locations Map.

The US Energy Information Administration (EIA) map of Coal Resources, Attachment B, does not show any coal reserves within the Site. There is a small coal reserve located within 100 miles east of the Site.

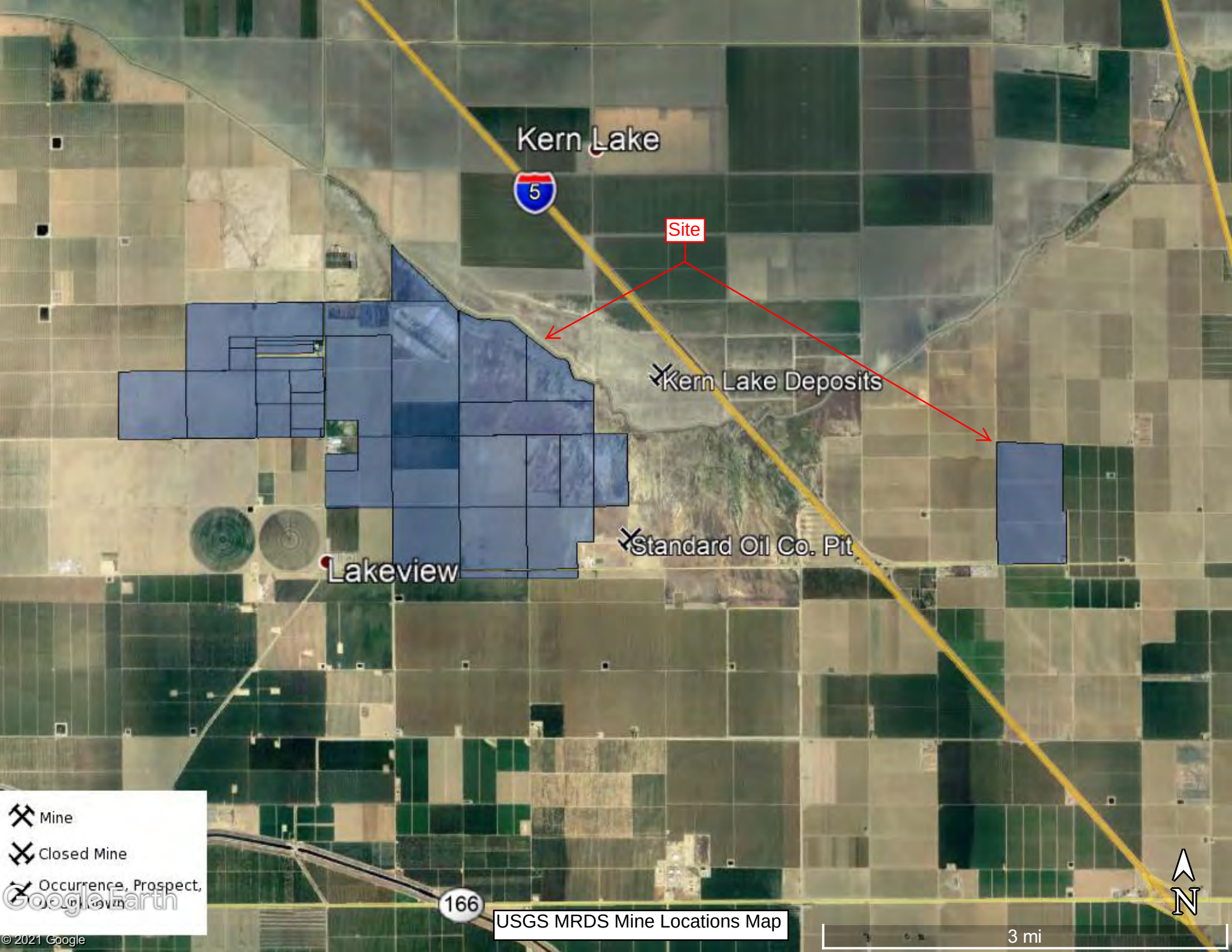
The California Department of Conservation maintains oil and gas wells information at (https://maps.conservation.ca.gov/doggr/wellfinder/#close). No wells were identified on the Site. However, there are several plugged oil and gas wells located within two miles south of the western portion of the Site as shown in Attachment C.

The US Energy Information Administration (EIA) map in Attachment D, shows the area of the Site is located within the southern portion of the Sacramento Basin, or San Joaquin Basin, an area with extensive natural gas and oil development. The Site, however, is located just 2-5 miles north of the region with extensive natural gas development.

The U.S. Department of Transportation's Office of Pipeline Safety has developed the National Pipeline Mapping System (NPMS) to provide information about gas transmission and liquid transmission operations and their pipelines (https://pvnpms.phmsa.dot.gov/PublicViewer/). There are several pipelines traveling throughout Kern County. There are three pipelines intersecting the Site. One hazardous liquid pipeline is intersecting the western portion of the western portion of the Site and one gas transmission pipeline is intersecting the central portion of the western portion of the Site. There is also one hazardous liquid pipeline intersecting the eastern portion of the western portion of the Site. There are no accidents reported within the Site boundaries. The closest accident reported is located approximately 2.5 miles south of the eastern portion of the western portion of the Site. The NPMS Pipeline Map and can be found in Attachment E.

Attachment A

USGS Mineral Resources Data System

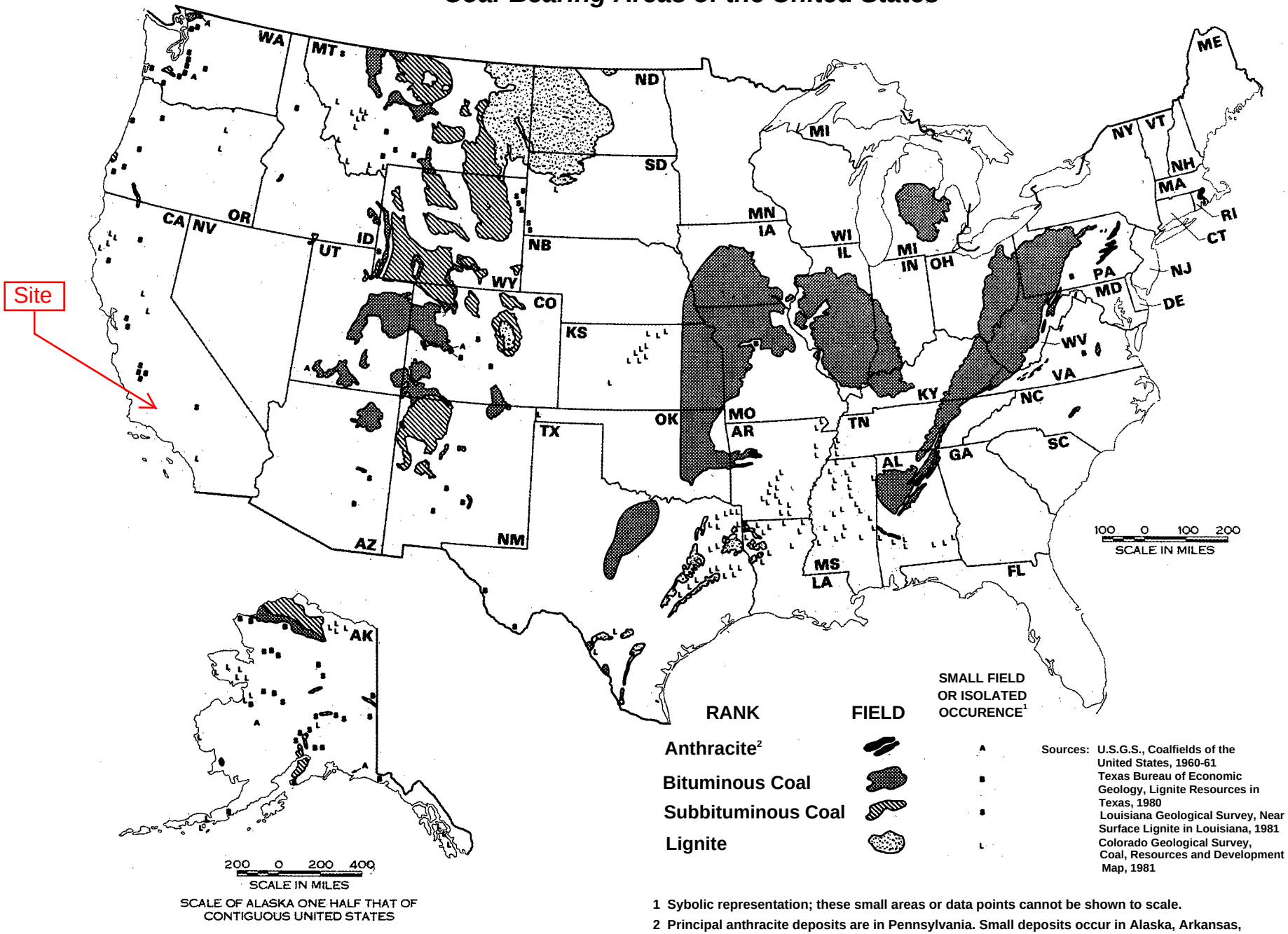


USGS MRDS Mine Locations Map

Attachment B

EIA Coal Resource Map

Coal-Bearing Areas of the United States



RANK	FIELD	SMALL FIELD OR ISOLATED OCCURENCE[1]
Anthracite[2]		
Bituminous Coal		
Subbituminous Coal		
Lignite		

Sources: U.S.G.S., Coalfields of the United States, 1960-61
Texas Bureau of Economic Geology, Lignite Resources in Texas, 1980
Louisiana Geological Survey, Near Surface Lignite in Louisiana, 1981
Colorado Geological Survey, Coal, Resources and Development Map, 1981

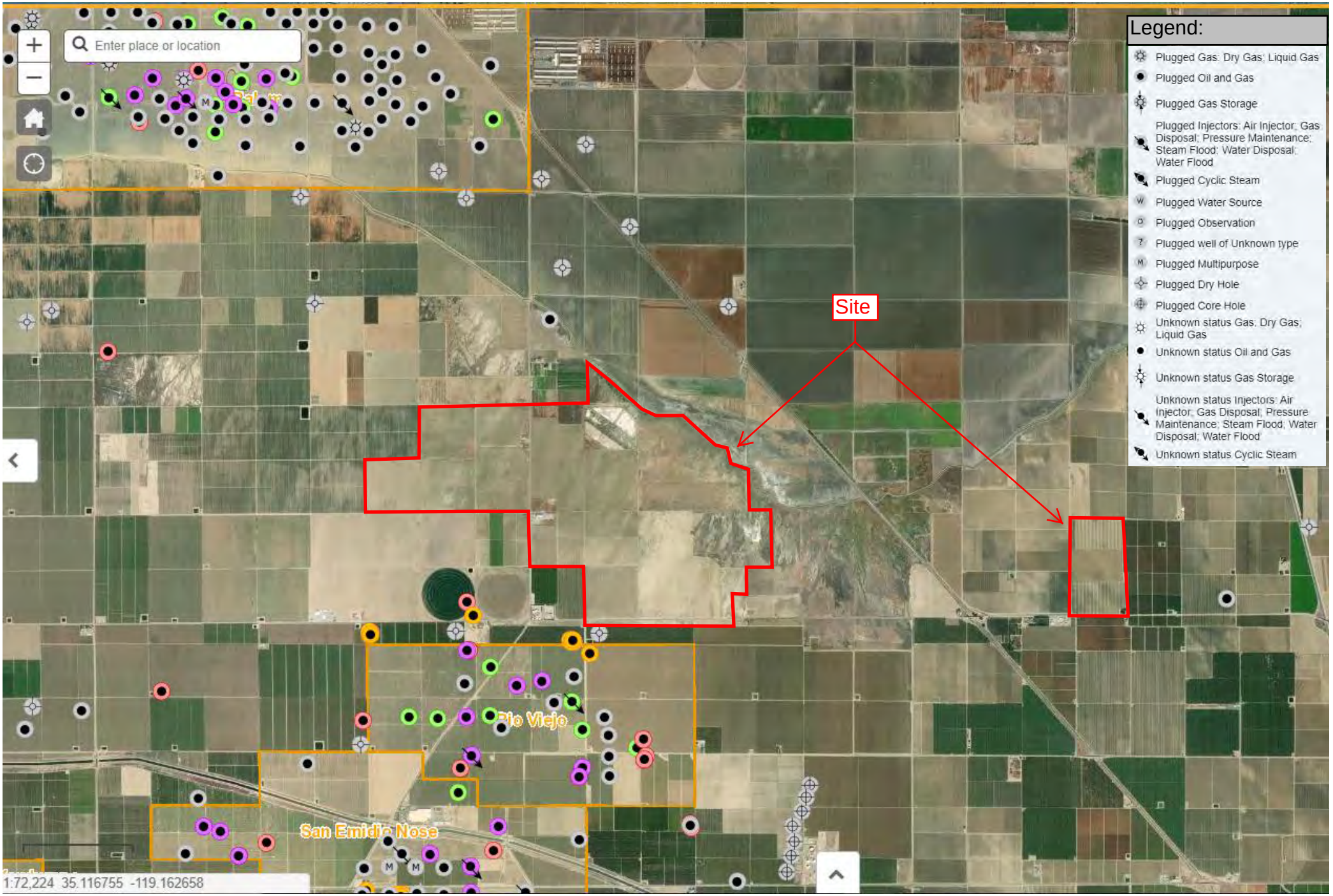
1 Sybolic representation; these small areas or data points cannot be shown to scale.

2 Principal anthracite deposits are in Pennsylvania. Small deposits occur in Alaska, Arkansas, Colorado, Massachusetts-Rhode Island, New Mexico, Utah, Virginia, Washington and West Virginia.

Source: Energy Information Administration

Attachment C

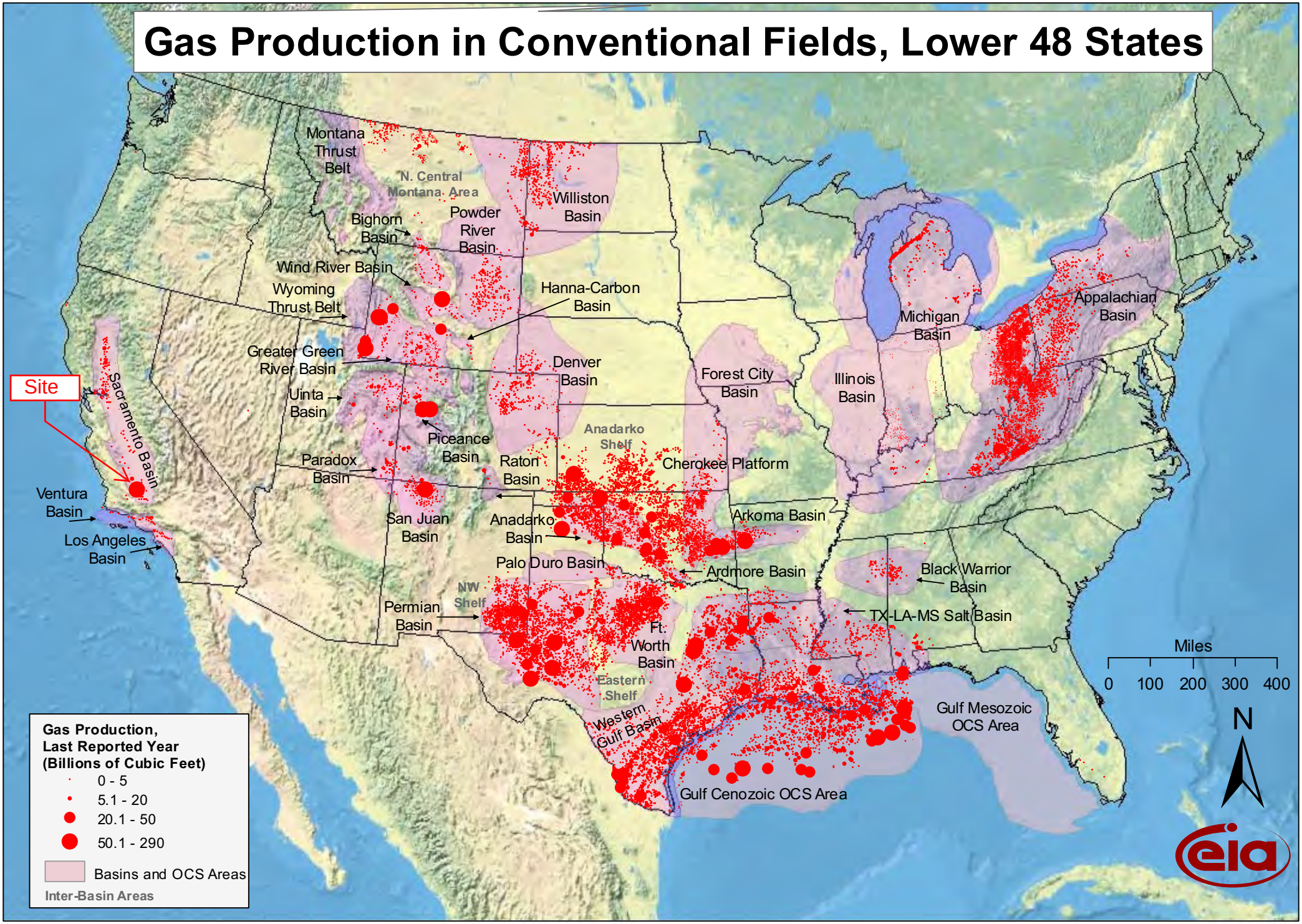
California Department of Conservation - Oil and Gas Wells


Enter place or location
Site
Legend:
Plugged Gas: Dry Gas; Liquid Gas
Plugged Oil and Gas
Plugged Gas Storage
Plugged Injectors: Air Injector; Gas Disposal; Pressure Maintenance; Steam Flood; Water Disposal; Water Flood
Plugged Cyclic Steam
Plugged Water Source
Plugged Observation
Plugged well of Unknown type
Plugged Multipurpose
Plugged Dry Hole
Plugged Core Hole
Unknown status Gas: Dry Gas; Liquid Gas
Unknown status Oil and Gas
Unknown status Gas Storage
Unknown status Injectors: Air Injector; Gas Disposal; Pressure Maintenance; Steam Flood; Water Disposal; Water Flood
Unknown status Cyclic Steam
Viejo
San Emidio Nose
1:72,224 35.116755 -119.162658

Attachment D

EIA Natural Gas Resource Map

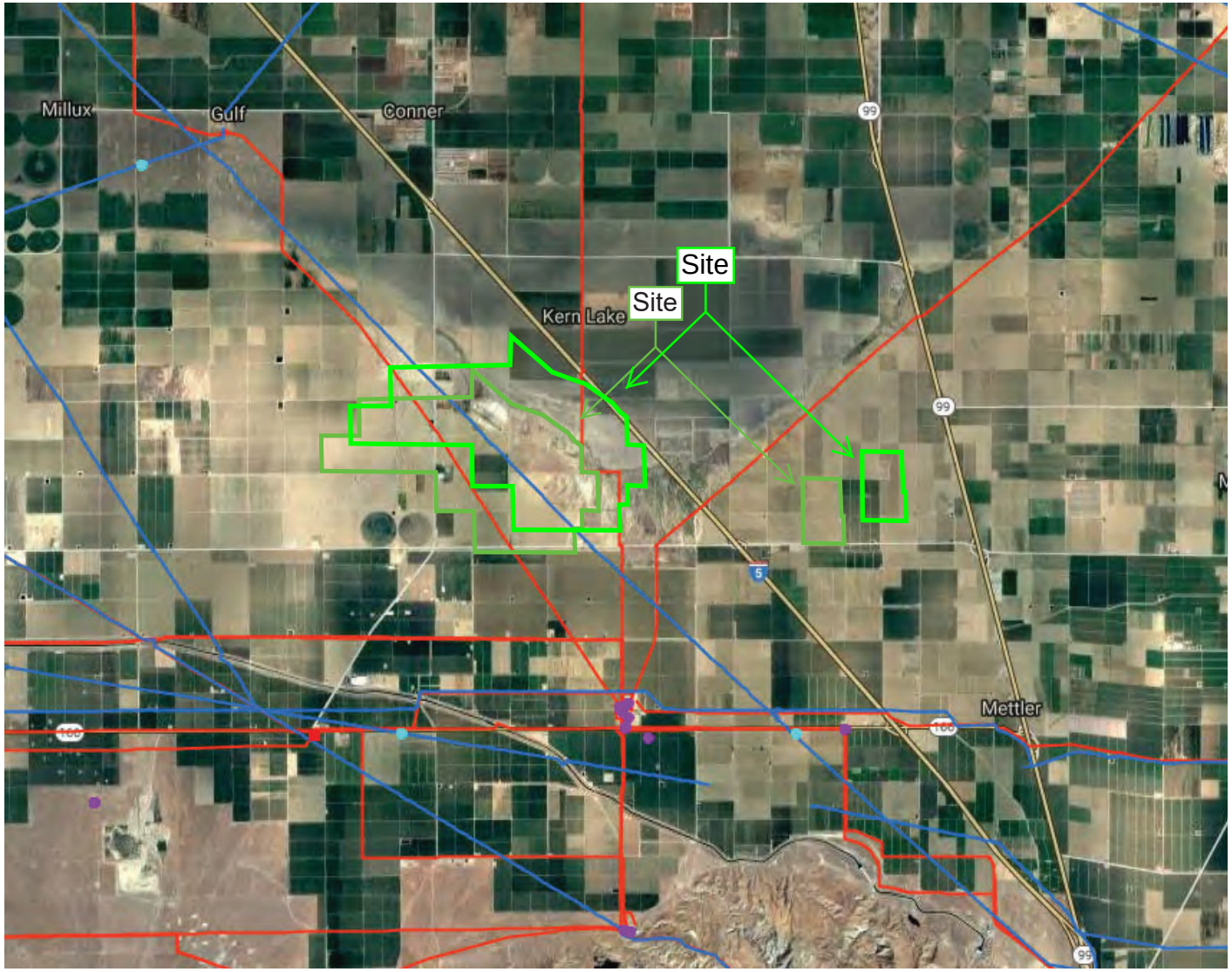
Gas Production in Conventional Fields, Lower 48 States



Source: Energy Information Administration based on data from HPDI, IN Geological Survey, USGS
Updated: April 8, 2009

Attachment E

NPMS Pipeline Map



Legend

- Accidents (Liquid)
- Incidents (Gas)
- LNG Plants
- Breakout Tanks
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- State Boundaries
- County Boundaries

2 km
1 mi

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

811 Know what's below. Call before you dig.

APPENDIX H

Pictorial Summary of the Site

Figure H-1 - Sandrini Sol Solar Site - Pictorial Summary Location Reference Map

The picture # (i.e., #01, #02, etc.) correlates to the location reference included on the pictures which follow.

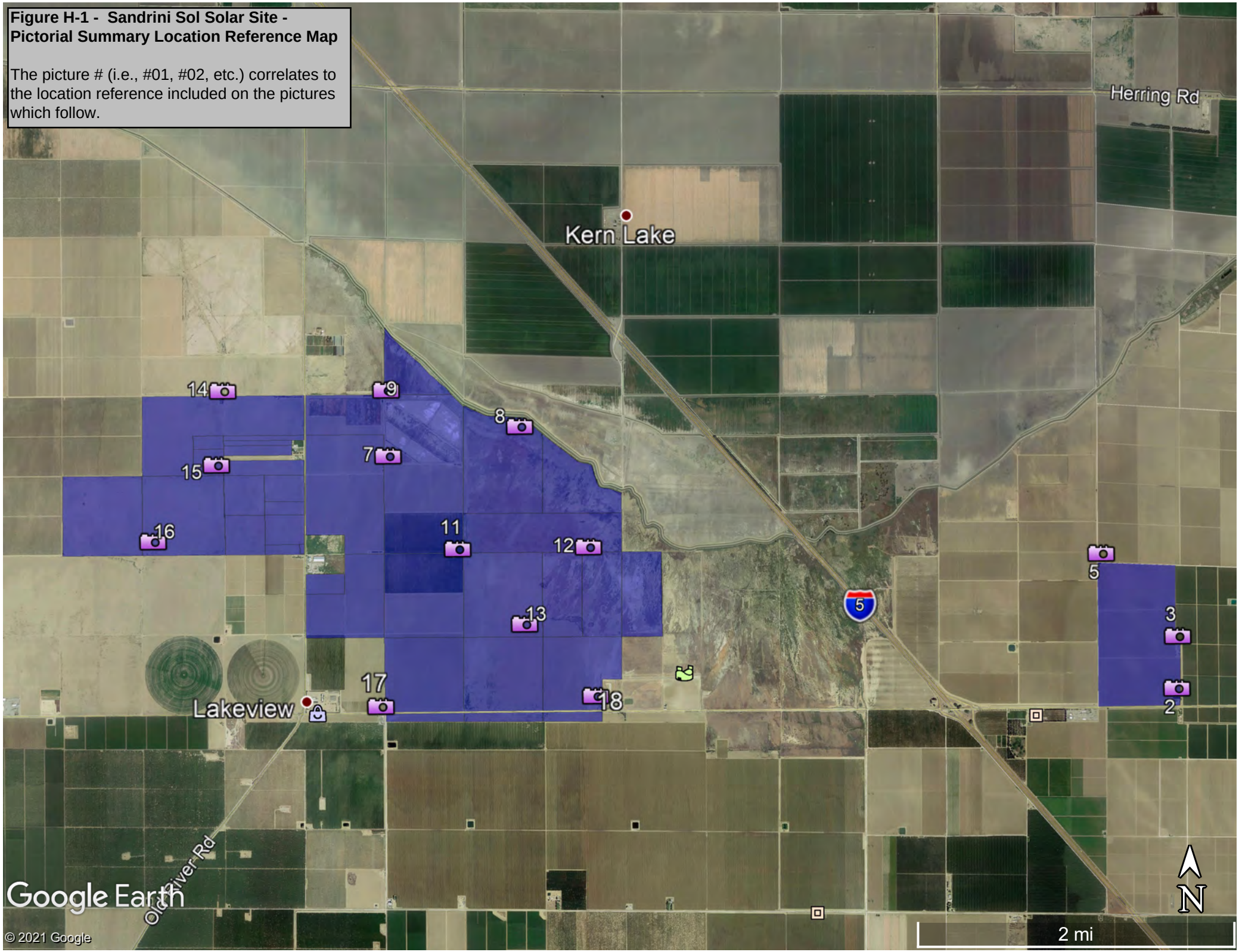


Figure No.: 1

Location: Photo Site #2

Description: View of the irrigation water pumping, filtration, and fertilizer on the eastern portion of the Site.

Figure No.: 2

Location: Photo Site #3

Description: View of fertilizer totes on the eastern portion of the Site.

Figure No.: 3

Location: Photo Site #5

Description: View of an excess water recovery reservoir on the eastern portion of the Site.

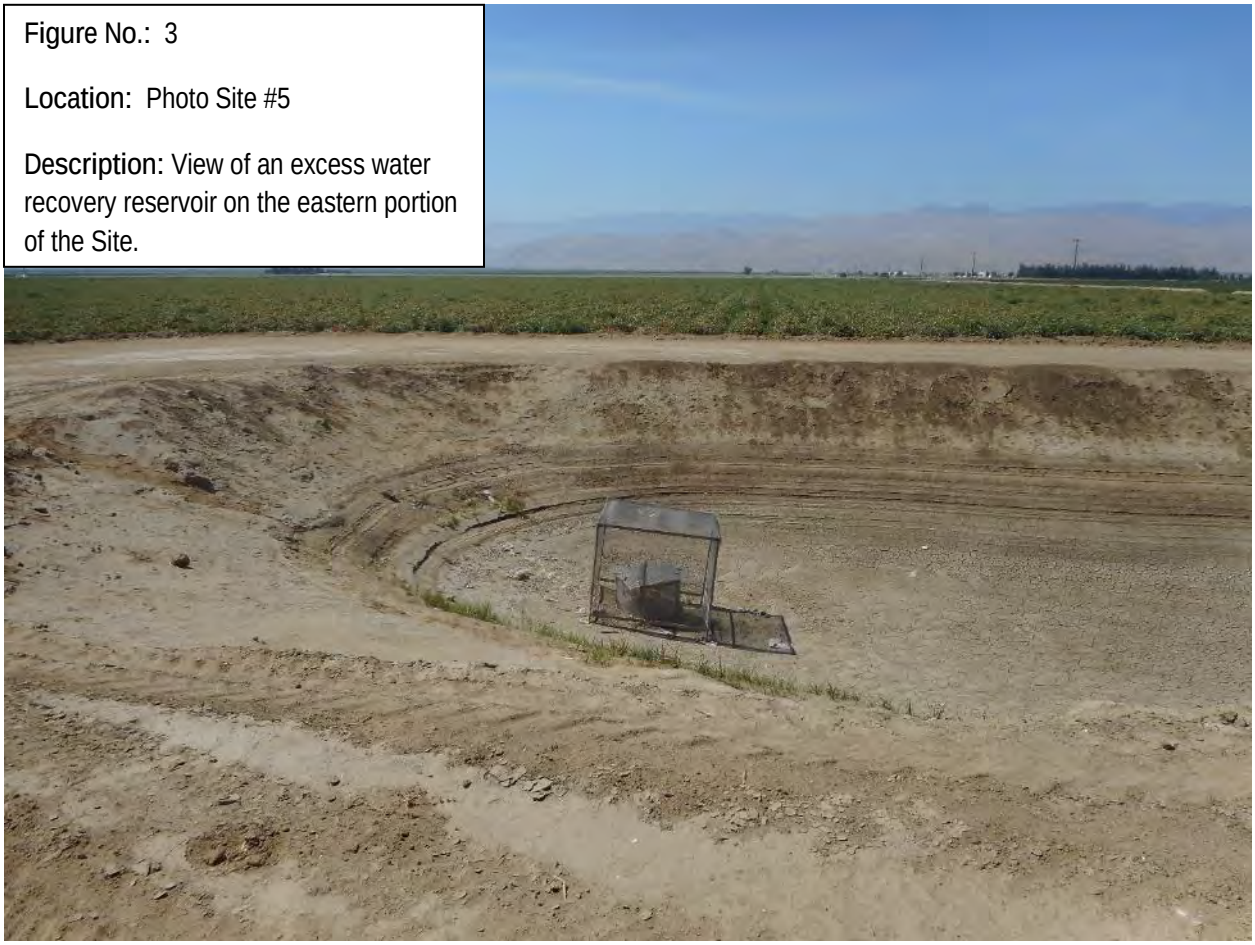


Figure No.: 4

Location: Photo Site #7

Description: View of central portion of the Site.

Figure No.: 5

Location: Photo Site #8

Description: View of the aqueduct and beekeeping boxes on the Site.

Figure No.: 6

Location: Photo Site #9

Description: View of central portion of the Site with old irrigation basins.

Figure No.: 7

Location: Photo Site #12

Description: View to the east of the Site.

Figure No.: 8

Location: Photo Site #11

Description: View of the cell phone tower.

Figure No.: 9

Location: Photo Site #13

Description: View of the southeastern portion of the Site.

Figure No.: 10

Location: Photo Site #11

Description: View to the southwest of the central portion of the Site

Figure No.: 11

Location: Photo Site #14

Description: View of an out of use irrigation ditch and pumping equipment.

Figure No.: 12

Location: Photo Site #15

Description: View of dumped onions on the Site.

Figure No.: 13

Location: Photo Site #16

Description: View of a solid waste pile comprised primarily of inert materials

Figure No.: 14

Location: Photo Site #16

Description: View of empty ASTs on the Site.

Figure No.: 15

Location: Photo Site #17

Description: View of the adjacent power substation.

Figure No.: 16

Location: Photo Site #18

Description: View of the adjacent skydiving facility and fuel tanks.

APPENDIX I

Resume for Environmental Professional

KEN TAYLOR

SUMMARY OF EXPERTISE

Mr. Ken Taylor has more than 30 years of experience successfully conducting environmental assessments or advising clients on such matters. He combines his in-depth environmental remediation background and regulatory knowledge with proven management and decision making skills to solve complicated problems and deliver results. Mr. Taylor has demonstrated these skills on activities ranging from: (1) serving as the Environmental Professional on over 200 Phase I ESAs, (2) managing environmental restoration, compliance and safety programs for Federal Government clients both as an employee and a contractor; (2) providing EPA, DoD, large law firms and private sector clients with strategic guidance on environmental management, environmental compliance and environmental restoration; and (3) advising clients on the acquisition of contaminated property and companies with environmental liabilities.

REPRESENTATIVE EXPERIENCE RELATED TO THE PROPOSAL

President of KTA Associates, Inc; Seattle, WA; 2001 to Present.

Mr. Taylor is the President of KTA. KTA was founded to provide expert environmental consulting services to both public and private sector clients. KTA is routinely retained by Federal Agencies, law firms, and corporations to provide expert support on topics ranging from environmental site assessment and associated strategic risk management; environmental remedial investigation and remedial action; hazardous waste/materials management; wastewater and stormwater management, pollution prevention, spill prevention and contingency plans, environmental management system development; and sustainability. One unique qualification Mr. Taylor has is his substantial expertise on a wide variety of industrial processes, contaminants, remedial actions and risks associated with property redevelopment. He is able to utilize this expertise to conduct environmental site assessments for many different facilities in a high quality, timely and cost-effective manner. Additionally, he is an accomplished communicator with regulatory agencies, individual citizens and the public in general. He also has significant expertise with the use of probabilistic cost estimating software which allows decision makers to fully understand the range of uncertainties and costs associated with assessing, cleaning up and redeveloping contaminated property.

Program Manager for EDPR Contract to Provide Environmental Phase I and II Site Assessment, Post Assessment Environmental Risk Management Strategy Development at Perspective Wind and Solar Farms; Nationwide; 2003 to Present.

Mr. Taylor serves as Program Manager for KTA's development of Phase I and II ESAs and associated environmental risk management for EDPR, at sites throughout the U.S and Canada. In this role, he has served as the environmental professional on over 150 Phase I ESAs and 10 Phase II ESAs. Mr. Taylor routinely provides strategic environmental assessment advisory support at the executive level within EDPR. Mr. Taylor also works on behalf of EDPR with capital organizations such as Citibank and JP Morgan to communicate environmental risks associated with Site development as part of transactions worth over $100M.

Program Manager for EDF-RE Contract to Provide Environmental Phase I and II Site Assessment, Post Assessment Environmental Risk Management Strategy Development at Perspective Wind and Solar Farms; Nationwide; 2008 to Present.

Mr. Taylor serves as Program Manager for KTA's development of Phase I and II ESAs and associated environmental risk management for EDF-RE at sites throughout the U.S. In this role, he has served as the environmental professional on 30 Phase I ESAs and 5 Phase II ESAs. Mr. Taylor routinely

provides strategic environmental assessment advisory support at the executive level within EDF-RE. Mr. Taylor also worked with EDF-RE to communicate environmental risks associated with site development as part of tax equity transactions worth over $50M.

Program Manager for the US Army Corps of Engineers – Seattle District and Kansas City District Hazardous, Toxic, and Radioactive Waste Program Management; Western United States; 2006 to 2013

Mr. Taylor served as the Program Manager for the USACE Kansas City and Seattle District HTRW Contracts which largely included environmental assessment projects. Project assignments required expertise in a number of environmental assessment projects including a wide variety of facilities and contaminants. Environmental assessment project types ranged from investigation, cleanup planning, remedial action design, associated cost estimating and public meetings. Additionally, a number of projects focused on environmental planning, site redevelopment and sustainability. Stakeholders ranged from the Department of Defense to USEPA, State of Washington Department of Ecology (among other states), and Indian tribes (including the Yakima Nation).

Costco Wholesale Environmental Advisor, Nationwide; 2004 to 2012

Mr. Taylor served as the Program Manager for KTA's environmental projects conducted for Costco Wholesale. The projects generally involved providing regulatory guidance and risk management strategies for Costco warehouse stores throughout the U.S. In this role, he was also routinely requested to advise executive management within Costco on a variety of environmental assessment and compliance issues and environmental risk management strategies.

EDUCATION AND CERTIFICATION

University of Texas, Austin, TX, 1982–1987
B.S. Mechanical Engineering – Energy and Fluid Systems

NATIONAL RECOGNIZED SPEAKER FOR ENVIRONMENTAL ASSESSMENT TOPICS

- Routinely speaks at Energy Development Conferences regarding environmental site assessments and associated risk management strategies for Wind Farms and Solar Site Developments.
- Routinely Speaks at University and Corporate Annual Meetings on Environmental Management Topics including Environmental Site Assessment and Risk Management
- Routinely speaks at Government Institutions and Law Seminar Conferences on various Environmental Regulatory Programs and Environmental Assessment

Appendix K
Preliminary Soil and Geologic Evaluation

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REVISED PRELIMINARY SOIL AND GEOLOGIC EVALUATION SANDRINI SOLAR PARK KERN COUNTY, CALIFORNIA

BSK PROJECT G19-296-10B

PREPARED FOR:

QUAD KNOPF, INC.
P.O. BOX 3699
VISALIA, CA 93278

December 15, 2020

REVISED PRELIMINARY SOIL AND GEOLOGIC EVALUATION
SANDRINI SOLAR PARK
KERN COUNTY, CALIFORNIA

Prepared for:

Quad Knopf, Inc.
P.O. Box 3699
Visalia, Ca 93278

Bakersfield Project: G19-296-10B

December 15, 2020

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1.0 INTRODUCTION

This report presents the results of a preliminary soil and geologic evaluation for the Proposed Sandrini Solar Park in Kern County, California. The Project Area consists of the development of approximately 4,151.51 acres as shown on the Site Vicinity Map, Figure 1. The project area changed to the current configuration in September 2020. This revised report incorporates the project area changes.

BSK performed site reconnaissance on December 12, 2019, December 20 to 21, 2019 and on October 13, 2020 to observe site features and soil conditions as related to geologic evaluation. Furthermore, an unmanned aircraft system (UAS) was utilized by an FAA Certified Commercial Operator to collect aerial photographs in the areas of mapped active faults crossing the Project Area. This report provides a preliminary soil and geologic evaluation for use in the planning phase of the subject project. In the event that changes occur in the design of the project, the project engineer of record may make additional recommendations.

1.1 Planned Construction

In addition to the solar generation and battery storage components, the project will also include both a 70-kV and a 230-kV transmission line running from the Project Area to Pacific Gas and Electric's (PG&E's) Wheeler Ridge Substation. This 70-kV line will be between 6 and 13 miles long, while the 230-kV line will be between 8 and 18 miles long. Both lines will convey electricity back and forth between different phases of the Sandrini Solar Park and the larger electrical grid.

1.2 Purpose and Scope of Services

The objective of the preliminary soil and geologic evaluation was to provide a preliminary determination of geologic or geotechnical related issues and soil conditions at the Site. BSK's scope of services for this assessment included a Site reconnaissance, desktop review, and report preparation.

2.0 SITE CONDITIONS

The following sections address the Site description, surface conditions, and preliminary groundwater conditions at the Project Area. This information is based on BSK's field reconnaissance and review of published maps and reports.

2.1 Project Area Description and Surface Conditions

The Site will be located on roughly 4,151.51 acres of agricultural land that is currently either fallow or planted in annual row crops near the town of Mettler, CA in Western Kern County. More specifically, the Site will be sited on the following parcels:

APN:	238-211-48	295-130-05	295-130-48	295-130-64	295-140-03	445-052-30
	238-212-32	295-130-07	295-130-51	295-130-71	295-140-04	445-052-32
	295-050-17	295-130-13	295-130-52	295-130-81	295-140-06	445-052-34
	295-100-19	295-130-21	295-130-53	295-130-83	295-140-07	445-062-34
	295-120-15	295-130-26	295-130-54	295-130-86	295-140-08	
	295-130-02	295-130-27	295-130-57	295-140-01	295-130-85	
	295-130-04	295-130-32	295-130-62	295-140-02	445-052-28	

The Project Area is shown on Figure 2, with zoomed in areas shown on Figures 2a, 2b and 2c.

2.2 Project Area Observations

BSK performed a site reconnaissance on December 12, 2019, December 20 and 21, 2019 and October 13, 2020 to observe site features and soil conditions. BSK utilized a UAS to map two areas that have active fault traces mapped in the Project Area. The drone was flown by BSK personell with a FAA Certified Commercial Pilot license.

The December 2019 site reconnaissance survey photographs are present on Figures A-2 to A-14, in Appendix A. The October 2020 site reconnaissance survey photographs are presented in Apppendix C. The locations of the photographs are presented on Figure A-1. Site observations indicate that the most of the project properties are current active farms mostly for row crops. Photo 11, Figure A-12 and Photo 25 to 29 in Appendix C, shows the New Rim Ditch crossing an adajacent property north of the project area and near the gen-tie route. Photo 13, Figure A-14 shows former ponds of unknown use, with deposits of salts on the ground surrface. Visually, as shown on Photo 12, Figure A-13, the salts appeared to be from alkaline rich soils, probably from former lakebed deposits. Soil excavations, ponds, and distrubured soil were observed at several locations, mostly in the area of APN 295-100-19.

Figures A-15 and A-16 show the drone flight areas over the location of active faults mapped in the Project area. Examination of the high resolution aerial photographs did not reveal indications of active fault traces. Cracking was observed on the aerial photopraphs along Copus Road, but the cracking did not have a pattern or distribution that would indicate that it was related to faulting.

October 2020's site reconnaissance began at the northwest corner of parcel 295-140-01. The parcels in this location, shown in Appendix C photos 1 through 24, are generally rowcrop farmlands. Photos 25 through 29 and 37 through 40 showcase the gen-tie route at the New Rim Ditch crossings in parcels 295-130-51. October 2020's site reconnaissance did not reveal any adverse soil conditions along the canal, such as erosional damage or surface cracking. Photo 30, at the southeast corner of parcel 295-130-21, shows evidence of an underground petroleum pipeline along the proposed gen-tie route. Heavy vegetation, impassable by a vehicle, was present along the gen-tie route along the northern end of parcel 295-120-14 and continuing further east towards Interstate-5, terminating at the farmland at the north end of parcel 295-120-56. The remainder of the gen-tie route was observed along existing farmland and terminated at the PG&E substation at the north end of parcel 445-110-03.

2.3 Project Area Topography

As shown on Figures 3, 3a, 3b and 3c, the Project Area generally slopes to the north with elevations that range from approximately 440 feet (NAVD27 datum) near the southern properties to 320 feet (NAVD27 datum) near the northern properties. Drainage is to the north toward Kern Lake Bed via a series of artificial canals and ditches.

2.4 Project Area Surface Soils

Figure 4 presents a soil map showing the Project Area area mapped soil types based on the USDA Soil Survey Geographic (SSURGO) Database. According to the SSURGO database for Kern County, California, obtained from the USDA, Natural Resources Conservation Service, the Project Area soils consist of the following soils:

- Bakersfield sandy loam, partially drained, 0 to 1 percent slopes,
- Cerini sandy loam, 0 to 2 percent slopes,
- Calflax loam, 0 to 1 percent slopes,
- Excelsior sandy loam, 0 to 2 percent slopes,
- Excelsior fine sandy loam, saline-sodic, 0 to 1 percent slopes,
- Garces loam, 0 to 1 percent slopes,
- Oldriver loam, partially drained, sodic, 0 to 1 percent slopes,
- Vineland loamy sand, drained, 0 to 1 percent slopes.

Figure 4a presents soils mapped based on engineering classification according the Unified Soil Classification System (USCS). Most of the mapped soils have a clay fraction with low to medium plasticity with low to moderate expansion potential. Figure 4b presents soils mapped by the wind erodibility index. The wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. The eastern portion of the project area tends to have higher erosion potential. Soil unit descriptions with characteristic parameters are provided in Appendix B.

2.5 Groundwater Conditions

The Project Area is within the San Joaquin Basin, Kern County Groundwater Subbasin. The Kern County Groundwater subbasin is bounded on the north by the Kern County line and the Tule Groundwater subbasin, on the east and southeast by granitic bedrock of the Sierra Nevada foothills and Tehachapi mountains, and on the southwest and west by the marine sediments of the San Emigdio Mountains and Coast Ranges.

Figure 5 presents a regional depth to groundwater map based on Department of Water Resources 2018 data. This map indicates a regional groundwater mound centered near the former Kern Lake Bed. During 2018, the depth to groundwater in the Project Area ranged from 120 feet below the ground surface (bgs) to 320 feet bgs. To ascertain groundwater levels for the area, groundwater elevation data from the California Department of Water Resources (DWR) was obtained for wells in the vicinity of the Project Area. Figure 5a, presents data from several wells in the Project Area. The groundwater data indicates that in some areas, groundwater may have been as shallow as six feet bgs.

2.6 Geologic Setting

The Project Area is located in the transitional area of the Great Valley geomorphic province and the Coast Ranges geomorphic province to the southwest. The Project Area is located in the structural region identified by the USGS (Bartow, 1991) as the San Joaquin Valley portion of the southern Sierran block.

This area forms a broad syncline with deposits of marine and overlying continental sediments, Jurassic to Holocene in age. The thickness of the sediments increases to the west and reach a thickness of as much as 20,000-feet on the west side of the San Joaquin Valley syncline. South of the Project Area, the relatively flat geomorphology transitions into the San Emigdio Mountains, which generally consist of Tertiary Sedimentary rocks and Mesozoic Granitic rocks.

As shown on Figure 6, the Project Area is situated on young (Late Holocene) alluvial fan deposits and Mid-Early Holocene alluvial fan deposits. Adjacent areas are mapped as Lacustrine, Playa and Estuarine (Paralic) Deposits and Eolian and Dune Deposits.

3.0 GEOLOGIC/SEISMIC HAZARDS

The types of geologic and seismic hazards assessed include surface ground fault rupture, liquefaction, seismically induced settlement, slope failure, flood hazards and inundation hazards.

3.1 Kern County General Plan Physical Constraints

As shown on Figure 7, the Project Area is located in Kern County hazard zones consisting of shallow groundwater and flood zones.

3.2 Fault Rupture Hazard Zones in California

The purpose of the Alquist-Priolo Geologic Hazards Zones Act, as summarized in California Division of Mines and Geology (CDMG) Special Publication 42 (SP 42), is to "prohibit the location of most structures for human occupancy across the traces of active faults and to mitigate thereby the hazard of fault-rupture." As indicated by SP 42, the State Geologist is required to delineate "earthquake fault zones" (EFZs) along known active faults in California. Cities and counties affected by the zones must regulate certain development 'projects' within the zones. They must withhold development permits for sites within the zones until geologic investigations demonstrate that the sites are not threatened by surface displacement from future faulting.

As shown on Figure 8, the Project Area is not located in a Fault-Rupture Hazard Zone. The nearest Fault-Rupture Hazard Zone is associated with the White Wolf Fault located approximately 2.6 miles southeast of the Project Area.

Figure 8a shows local mapped faults in the vicinity of the Project Area. Two active fault traces are mapped in the Project area. These fault traces are not designated by the State of California as Fault-Rupture Hazard Zones. According to sources (CDMG, 1984; CDM 1952), the mapped faults represent surface ruptures/fissures related to secondary effects of the 1952 Arvin-Tehachapi earthquake. These secondary features were attributed to lurching or seismic settlement of sedimentary deposits. Observation of the high-resolution aerial photographs collected from BSK's drone flights (Figures A-15 an A-16), did not show evidence of surface rupture or displacement features.

3.3 State of California Seismic Hazard Zones (Liquefaction and Landslides)

Zones of Required Investigation referred to as "Seismic Hazard Zones" in CCR Article 10, Section 3722, are areas shown on Seismic Hazard Zone Maps where site investigations are required to determine the need for mitigation of potential liquefaction and/or earthquake-induced landslide ground displacements. There are no mapped areas that have Seismic Hazard Zones in the project area. The nearest mapped zone is located in the Whitaker Peak Quadrangle approximately 35 miles southeast of the Site.

3.4 Slope Stability and Potential for Slope Failure

The Project Area and surrounding areas are essentially flat and therefore the potential hazard due to landslides from adjacent properties is not applicable. The levee berm along New Rim Ditch (Figure A-9 and A-12) is sloped and may have the potential for failure under extreme rainfall or seismic events.

3.5 Land Subsidence

Land subsidence in California generally occurs in areas of fluid removal (petroleum and groundwater) and in arid areas due to hydrocompaction of loose near-surface soils.

The Project Area is not located in an area susceptible to subsidence due to petroleum withdrawal. The Project Area is located in an area with historical subsidence due to groundwater withdrawal (Borcher, 2014). Recent studies using interferometric synthetic aperture radar (InSAR) from satellites and aircraft have produced maps of subsidence with sensitivity of fractions of an inch (Farr 2016). Figure 9 presents data showing total subsidence in the area from May 2015 to February 2016. The measured subsidence was comparably low compared to other parts of the San Joaquin Valley. Regional subsidence due to groundwater withdrawal in the area is anticipated, but localized impacts such as differential settlements, would be minimal. Differential settlements of this type generally impact gravity-based fluid systems over long distances (canals, water pipelines). These types of systems are not part of the proposed development.

Hydrocompaction is the consolidation of loose dry surface soils from the infiltration of water. Materials of unusually low density deposited in areas of low rainfall undergo significant compaction when they become thoroughly wetted. Hydrocompaction materials consist of sediments loosely placed by wind or by mudflow, that when saturated, the material hydrocompacts (settlement). The Project Area is not located in an area known for hydrocompaction but Project Area soils may have a potential for hydrocompaction, which will require further evaluation. A more detailed geotechnical investigation will be performed once the layout of the structures is defined. If hydrocompaction soil is encountered, some of the options to mitigate this issue are over-excavate and recompact the material or design the foundation deeper than the hydrocompaction material zone.

3.6 Expansive Soils

Near-surface soils observed at the Project Area, and mapped by the USDA, indicate that expansive soils may be located in the project area. Expansive soils have the potential to cause displacement and possible damage to surface improvements such as concrete slab-on-grade floors and exterior walkways. The

potential effects of the shrinking and swelling of expansive soils and the associated impacts can be mitigated through prudent grading and design of the structures. Some of the soils in the Project Area have a clay fraction and may be expansive. A design level geotechnical investigation will be required to confirm the status of expansive soils in the project area.

3.7 Flood and Inundation Hazards

An evaluation of flooding at the Project Area includes review of potential hazards from flooding during periods of heavy precipitation and flooding due to a catastrophic dam breach from up-gradient surface impoundments.

3.7.1 Flood Hazards

Federal Emergency Management Agency (FEMA) flood hazard data was obtained to present information regarding the potential for flooding at the Project Area. As shown on Figure 10, according to FEMA Flood Hazard Map Layer GIS data, dated 8/03/2018, some of the Project Area is in FEMA flood zone A (1% or greater annual chance of flooding).

3.8 Corrosion Potential

Some portions of the Project Area (APN 295-130-57), appear to have an observed high concentration of salts that represent alkaline soils with a potential to be corrosive to metallic objects. Corrosive soils require that all buried iron, steel, cast iron, ductile iron, galvanized steel, and dielectric coated steel or iron be properly protected against corrosion depending upon the critical nature of the structure. Confirmation of the corrosion potential of area soils requires sampling and testing for chlorides, sulfates, pH, and redox potential that should performed during the design level geotechnical investigation.

4.0 SEISMIC HAZARD ASSESSMENT

The types of seismic hazards assessed include earthquake induced ground motion, seismic induced landslides, liquefaction, and seismic induced settlement.

4.1 Seismic Sources

Figure 11 presents a regional fault map showing the major fault which may impact the Project Area. The probabilistic value of ground motion at a site can be caused by earthquakes on any of the sources surrounding the site. Deaggregation of the seismic hazard was performed by using the USGS interactive deaggregation website. The deaggregation at the Maximum Considered Earthquake (MCE) hazard level results in distance, magnitude and epsilon (round-motion uncertainty) for each source, which contributes to the hazard. Each source has a corresponding epsilon, which is the probabilistic value relative to the mean value of ground motion for that source.

The result of deaggregation at the MCE hazard level from the USGS website for the Project Area indicate that the most extreme event would be a magnitude 8.0 earthquake on the San Andreas Fault (located 25 to 37 km to the south). For liquefaction and seismic settlement, the modal magnitude of 8.1 with distances of 25 to 37 km would be appropriate for a probabilistic input parameter that is consistent with

the design earthquake ground motion.

4.2 Earthquake Ground Motion, 2019 California Building Code

4.2.1 Site Class

The Project Area surface soils are defined in Section 2.4 above and the Geologic Setting is defined in Section 2.6. Confirmation of site soil class can only be determined by a subsurface investigation including soil boring or through geophysical measurements of shear wave velocity. Determination of site soil class will require subsurface data and will be determined during the design level geotechnical investigation.

4.2.2 Seismic Design Criteria

The 2019 California Building Code (CBC) utilizes ground motion based on the Risk-Targeted Maximum Considered Earthquake (MCE_R) that is defined in the 2019 CBC as the most severe earthquake effects considered by this code, determined for the orientation that results in the largest maximum response to horizontal ground motions and with adjustment for targeted risk. Ground motion parameters in the 2019 CBC are based on American Society of Civil Engineers (ASCE) 7-16, Chapter 11.

The United States Geologic Survey (USGS) has prepared maps presenting the Risk-Targeted MCE spectral acceleration (5% damping) for periods of 0.2 seconds (S_S) and 1.0 seconds (S_1). The values of S_S and S_1 can be obtained from the Office of Statewide Health Planning and Development (OSHPD) Seismic Design Maps Application available at: https://seismicmaps.org/.

Table 1 below presents the spectral acceleration parameters produced for an assumed Site Class D by OSHPD Seismic Design Maps Application and Chapter 16 of the 2019 CBC based on ASCE 7-16.

TABLE 1
SPECTRAL ACCELERATION PARAMETERS
RISK TARGETED MAXIMUM CONSIDERED EARTHQUAKE

Criteria	Value		Reference
MCE Mapped Spectral Acceleration (g)	S_S = 1.518	S_1 = 0.573	USGS Mapped Value
Site Coefficients (Site Class D)	F_a = 1.2	Null (1)	ASCE Table 11.4
Site Adjusted MCE Spectral Acceleration (g)	S_{MS} = 1.821	Null (1)	ASCE Equations 11.4.1-2
Design Spectral Acceleration (g)	S_{DS} = 1.214	Null (1)	ASCE Equations 11.4.3-4

Note: (1) Requires Site-Specific Ground Motion Procedure or exception as per ASCE 7-16 Section 11.4.8

The preliminary seismic parameters are based on using the default soil class (Class D) and should only be used for preliminary planning purposes. Actual seismic design parameters will require subsurface data and will be determined during the design level geotechnical investigation.

4.2.2 Geometric Mean Peak Ground Acceleration

As per Section 1803.5.12 of the CBC, peak ground acceleration (PGA) utilized for dynamic lateral earth pressures and liquefaction, shall be based on a site-specific study (ASCE 7-16, Section 21.5) or ASCE 7-16,

Section 11.8.3. The USGS Ground Motion Parameter Application based on ASCE 7-10, Section 11.8.3 produced the values shown in Table 2 based on default Site Class D.

TABLE 2
GEOMETRIC MEAN PEAK GROUND ACCELERATION
MAXIMUM CONSIDERED EARTHQUAKE

Criteria	Value	Reference
Mapped Peak Ground Acceleration (g)	PGA = 0.668	USGS Mapped Value
Site Coefficients (Site Class D)	F_{PGA} = 1.2	ASCE Table 11.8-1
Geometric Mean PGA (g)	PGA_M = 0.801	ASCE Equations 11.8-1

For liquefaction analysis and seismic settlement calculations a PGA of 0.801g, depending on location, should be used. The levels of earthquake induced ground motion presented in Sections 4.1.2 and 4.1.3 can be considered moderately intense to intense and structures should be designed to comply with seismic response requirements at the Site. Structural dynamic characteristics contained in the Kern County Code of Building Regulations and the California Building Code and State of California design standards should be incorporated into the project design.

4.3 Liquefaction

Liquefaction describes a condition in which a saturated, cohesionless soil loses shear strength during earthquake shocks. Ground motion from an earthquake may induce cyclic reversals of shearing strains of large amplitude. Lateral and vertical movements of the soil mass, combined with loss of bearing strength, usually result from this phenomenon. Historically, liquefaction of soils has caused severe damage to structures, berms, levees, and roads. Seed and Idriss (1971) demonstrated that liquefaction potential depends on soil type, void ratio, depth to groundwater, duration of shaking, and confining pressures over the potentially liquefiable soil mass. Fine, well sorted, loose sand, shallow groundwater, severe seismic ground motion, and particularly long durations of ground shaking are conditions conducive for liquefaction.

The depth to groundwater, based on recent data, is greater than 50 feet bgs, but historical data indicates that shallow groundwater may be present in the Project Area. A design level geotechnical investigation will be required to confirm the liquefaction potential and seismic settlement in the Project Area.

5.0 REGULATORY SETTING

5.1 Federal Regulations

5.1.1 Earthquake Hazards Reduction Act

The National Earthquake Hazards Reduction Program (NEHRP) leads the federal government's efforts to reduce the fatalities, injuries, and property losses caused by earthquakes. Congress established NEHRP in 1977, directing that four federal agencies coordinate their complementary activities to implement and maintain the program. These agencies are FEMA, the National Institute of Standards and Technology, the

National Science Foundation, and the U.S. Geological Survey.

The NEHRP agencies pursue the goals of the program through collaboration with each other and numerous partners. In addition to other federal agencies, program partners include state and local governments, universities, research centers, professional societies, trade associations, and businesses, as well as associated councils, commissions, and consortia. NEHRP's work encompasses research, development, and implementation activities. Program research helps to advance our understanding of why and how earthquakes occur and impact the natural and built environments. The program develops strategies, tools, techniques, and other measures that can reduce the adverse effects of earthquakes, and facilitates and promotes implementation of these measures, thereby strengthening earthquake resilience among at-risk communities.

5.2 State Regulations

5.2.1 California and Uniform Building Codes

The 2019 California Building Standards Code (Title 24) and the Uniform Building Code provide standards for building construction as well as seismic design parameters and grading requirements. These codes contain specific requirements for seismic safety, excavation, foundations, retaining walls, and all demolition and grading activities.

5.2.2 Alquist-Priolo-Earthquake Fault Zoning Act

The Alquist-Priolo Earthquake Fault Zoning Act was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. The purpose of the Alquist-Priolo Geologic Hazards Zones Act, as summarized in CDMG Special Publication 42 (SP 42), is to "prohibit the location of most structures for human occupancy across the traces of active faults and to mitigate thereby the hazard of fault-rupture." Requirements to perform a fault hazard investigation only applies to structure intended for human occupancy. As indicated by SP 42, "the State Geologist is required to delineate "earthquake fault zones" (EFZs) along known active faults in California. Cities and counties affected by the zones must regulate certain development 'projects' within the zones. They must withhold development permits for sites within the zones until geologic investigations demonstrate that the sites are not threatened by surface displacement from future faulting.

5.2.3 Seismic Hazards Mapping Act

The Seismic Hazards Mapping Act (1990) addresses non-surface fault rupture earthquake hazards such as liquefaction and seismically induced landslides. This Act requires the State Geologist to designate Seismic Hazard Zones. These Zones of Required Investigation referred to in CCR Article 10, Section 3722, are areas shown on Seismic Hazard Zone Maps where site investigations are required to determine the need for mitigation of potential liquefaction and/or earthquake-induced landslide ground displacements. The California Geological Survey has not issued a Seismic Hazards Maps for the project area.

5.2.4 NPDES General Permit for Construction Storm Water Discharges

The National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges

Associated with Construction Activity (General Permit) Water Quality Order 99-08-DWQ applies to projects that disturb one or more acres of soil. General Permits are implemented and enforced by the California Regional Water Quality Control Board (RWQCB). The permit requires that the following general measures be implemented during construction activity:

- Elimination or reduction of non-stormwater discharges to storm water systems and other waters of the U.S.
- Development and implementation of a Storm Water Pollution Prevention Plan (SWPPP) prepared by a Qualified SWPPP Developer identifying Best Management Practices (BMPs) the discharger will use to protect storm water runoff and incorporating visual, chemical, and sediment monitoring programs.
- Inspections of storm water control structures and pollution prevention measures.

5.3 Local Regulations

5.3.1 Kern County Code of Building Regulations

The 2016 Kern County Code of Building Regulations was developed to promote the public safety and welfare by the adoption of minimum building standards to be required and enforced throughout the unincorporated territory of the County of Kern.

Construction in Kern County is required to conform to the Kern County Building Code (Chapter 17.08, Building Code, of the Kern County Code of Regulations). Kern County has adopted the California Building Code, with some modifications and amendments.

5.3.2 Chapter 17.28 Kern County Grading Code

The purpose of the Kern County Grading Code is to safeguard life, limb, property, and the public welfare by regulating grading on private property. All requirements of the Kern County Grading Code would be applied during implementation of the proposed project. All required grading permit(s) would be obtained prior to commencement of construction activities. Sections of the Grading Code that are particularly relevant to geology and soils are provided below.

17.28.140 Erosion control

A. Slopes

The faces of cut and fill slopes shall be prepared and maintained to control against erosion. This control may consist of effective planting. The protection for the slopes shall be installed as soon as practicable and prior to calling for final approval. Where cut slopes are not subject to erosion due to the erosion-resistant character of the materials, such protection may be omitted.

B. Other Devices

Where necessary, check dams, cribbing, riprap or other devices or methods shall be employed to control erosion and provide safety.

C. Temporary Devices

Temporary drainage and erosion control shall be provided as needed at the end of each work day during grading operations, such that existing drainage channels would not be blocked. Dust

control shall be applied to all graded areas and materials and shall consist of applying water or another approved dust palliative for the alleviation or prevention of dust nuisance. Deposition of rocks, earth materials or debris onto adjacent property, public roads or drainage channels shall not be allowed.

17.28.150 Drainage retention facilities

A. General

All drainage retention/detention facilities and their associated conveyance facilities shall be designed in accordance with the Kern County Development Standards or latest revision thereof.

17.28.160 Maintenance

The owner of any property on which grading has been performed pursuant to a permit issued under the provisions of this chapter, or any other person or agent in control of such property, shall maintain in good condition and repair all drainage structures, sumps and other protective devices shown on the grading plans filed with the application for grading permit and approved as a condition precedent to the issuance of such permit.

17.28.170 Grading inspection

A. General

All grading operations for which a permit is required shall be subject to inspection by the building official. Professional inspection of grading operations and testing shall be provided by the civil engineer, soils engineer, and the engineering geologist retained to provide such services in accordance with Subsection 17.28.170(E) for engineered grading and as required by the building official for regular grading.

B. Civil Engineer

The civil engineer shall provide professional inspection within such engineer's area of technical specialty, which shall consist of observation and review as to the establishment of line, grade and surface drainage of the development area. If revised plans are required during the course of the work, they shall be prepared by the civil engineer.

C. Soils Engineer

The soils engineer shall provide professional inspection within such engineer's area of technical specialty, which shall include observation during grading and testing for required compaction. The soils engineer shall provide sufficient observation during the preparation of the natural ground and placement and compaction of the fill to verify that such work is being performed in accordance with the conditions of the approved plan and the appropriate requirements of this chapter. Revised recommendations relating to conditions differing from the approved soils engineering and engineering geology reports shall be submitted to the permittee, the building official, and the civil engineer.

D. Engineering Geologist

The engineering geologist shall provide professional inspection within such engineer's area of

technical specialty, which shall include professional inspection of the bedrock excavation to determine if conditions encountered are in conformance with the approved report. Revised recommendations relating to conditions differing from the approved engineering geology report shall be submitted to the soils engineer.

E. Permittee

The permittee shall be responsible for the work to be performed in accordance with the approved plans and specifications and in conformance with the provisions of this Ordinance Code, and the permittee shall engage consultants, if required, to provide professional inspections on a timely basis. The permittee shall act as a coordinator between the consultants, the contractor and the building official. In the event of changed conditions, the permittee shall be responsible for informing the building official of such change and shall provide revised plans for approval.

F. Building Official

The building official may inspect the project at the various stages of the work requiring approval to determine that adequate control is being exercised by the professional consultants.

G. Notification of Noncompliance

If, in the course of fulfilling their responsibility under this chapter, the civil engineer, the soils engineer, or the engineering geologist finds that the work is not being done in conformance with this chapter or the approved grading plans, the discrepancies shall be reported immediately in writing to the permittee and to the building official. Recommendations for corrective measures, if necessary, shall also be submitted.

H. Transfer of Responsibility

If the civil engineer, the soils engineer, or the engineering geologist of record is changed during the course of the work, the work shall be stopped until:

1. The civil engineer, soils engineer, or engineering geologist, has notified the building official in writing that they will no longer be responsible for the work and that a qualified replacement has been found who will assume responsibility.
2. The replacement civil engineer, soils engineer, or engineering geologist notifies the building official in writing that they have agreed to accept responsibility for the work.

5.4 Kern County Environmental Checklist

The Kern County CEQA Implementation Document and Kern County Environmental Checklist state that a project would have a significant effect if it:

- Exposes people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
  - Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State geologist for the area or based on other substantial evidence of a known fault;
  - Strong seismic ground shaking;
  - Seismic-related ground failure, including liquefaction;
  - Landslides;
- Results in substantial soil erosion or the loss of topsoil;

- Is located on a geologic unit or soil that is unstable, or that would become unstable as a result of the proposed project, and potentially result in on-site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse; is located on expansive soil, as defined in Section 1805.8 of the California Building Code, creating substantial risks to life or property.

An evaluation according to this checklist follows:

a) Exposes people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the state geologist for the area or based on other substantial evidence of a known fault.

The project area is not located in a Fault-Rupture Hazard Zone. Two active faults have been mapped in the Project Area. It is our understanding that occupied structures are not proposed as part of the project. Any structure that is located near the active fault traces would require a fault investigation. The mapped faults in the Project Area were reportedly related to secondary surface ground failures from the 1952 Kern County Earthquake. These surface ruptures had reported horizontal and vertical displacements of up to two feet in some areas.

Recommended Mitigation Measure GEO – 1: Project proponent will not place habitable structures near the active fault traces unless a fault investigation is completed. This would reduce the potential of exposure of structures to surface fault rupture and reduce the hazard to less than significant.

Recommended Mitigation Measure GEO – 2: Critical equipment and underground utilities/transmission lines should be designed to accommodate displacements of two feet if located within 500 feet of mapped active fault traces.

ii) Strong seismic ground shaking.

Estimated ground motion may be moderate to very intense and there are numerous faults in the area that are capable of producing strong ground motion. The threshold of significance would be exceeded if structures are not designed to withstand seismic loading that could result in structure damage or collapse. Project proponent would design structures in accordance with State and county code requirements for seismic ground shaking and geotechnical and geohazard constraints. Designs would comply with seismic, soil response at the site, and structural dynamic characteristics contained in the Kern County Code of Building Regulations and the California Building Code and State of California design standards Chapter 16 and 18. These design standards are required by law for all new structures in Kern County and were established to reduce the potential impact to structures from strong seismic shaking

to a less than significant level.

iii) Seismic-related ground failure, including liquefaction.

The potential for impacts relating to liquefaction and seismic settlements would be addressed by the applicant in the site-specific design-level geotechnical report prepared by a registered engineering geologist or soils engineer. The design-level geotechnical report would provide specific design requirements necessary for the design of the structures in relation to seismic-related ground failure, including liquefaction. These design requirements would comply with California Building Code and State of California design standards Chapter 16 which are required by law for all new structures in Kern County. These design standards and codes were established to reduce the potential impact to structures from seismic-related ground failure, including liquefaction to a less than significant level.

iv) Landslides.

With the exception of the area near New Rim Ditch, the site and surrounding areas are essentially flat, the project does not include any habitable structures, and the potential hazard due to landslides from adjacent properties is not applicable.

Development near the New Rim Ditch Levee should maintain a sufficient setback distance to meet the requirements of 2019 CBC Section 1808.7. Maintaining sufficient setback distance would ensure that slope failures along New Rim Ditch do not impact the Site and reduce the hazard of landslides to less than significant.

b) Result in substantial soil erosion or the loss of topsoil.

According to the Kern County General Plan Safety Element, the Site is not within a zone that is prone to soil erosion (Kern County General Plan Safety Element, 2009). The proposed Site is essentially flat which would minimize the possibility for the formation of significant rills or gullies by water. With respect to soil erosion by wind, earthwork at the Site during construction might cause some disturbed soils to be affected by wind erosion.

New construction and grading projects requiring a storm water pollution prevention plan (SWPPP) will also require an Erosion Control Plan (ECP) for the mitigation of potential soil erosion and sedimentation. Projects that involve more than an acre of disturbance that will result in the discharge of stormwater to a Water of the United States containing contaminants and/or sediments must comply with the State Water Resources Control Board's Construction General Permit. Additionally, the Kern County Engineering, Survey and Permit Services Department require that such projects complete an "Applicability of NPDES Storm Water Program" form. As required, the SWPPP will be submitted for approval by Kern County

Engineering, Survey and Permit Services.

Prior to construction, a SWPPP, Erosion Control Plan, and Applicability of NPDES Storm Water Program would be submitted for approval by Kern County Engineering, Survey and Permit Services. Additionally, the applicant would apply for coverage under the State water Resources Control Board's Construction General Permit. Each of these plans and permits are designed to reduce erosion from wind, water, and construction activities. These plans would reduce the potential of substantial soil erosion or the loss of topsoil to a less than significant level. The erosion control plan should include measures to reduce wind erosion during construction. Measure could include reduced speed limits on construction traffic and continued wetting of construction roads.

c) Is located on a geologic unit or soil that is unstable, or that would become unstable as a result of the proposed project, and potentially result in on-site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse.

Hydrocompaction is the consolidation of loose dry surface soils from the infiltration of water. Materials of unusually low density deposited in areas of low rainfall undergo significant compaction when they become thoroughly wetted. Site soils may have a potential for hydrocompaction which will require further evaluation. A more detailed geotechnical investigation will be performed once the layout of the structures is defined. Hydrocompaction materials consist of sediments loosely placed by wind or by mudflow, that when saturated, the material hydrocompacts (settlement). If hydrocompaction soil is encountered, project proponent would: 1) over-excavate and re-compact the material, 2) design the foundation deeper than the hydrocompaction material zone, or 3) provide an alternative engineering solution to ensure that hydrocompaction will not result in instability of project features.

The depth to groundwater, based on recent data, is greater than 50 feet bgs, but historical data indicates that shallow groundwater may be present in the Project Area. A design level geotechnical investigation will be required to confirm the liquefaction potential and seismic settlement in the Project Area.

The potential for impacts relating to unstable soils, on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse would be addressed by the applicant in the site-specific design-level geotechnical report prepared by a registered engineering geologist or soils engineer. Hydrocompaction assessment, seismic induced settlement evaluation and protection recommendations in the geotechnical investigation, and grading recommendations will mitigate these potential impacts. Prior to issuance of grading or building permits for the project, the applicant would submit the geotechnical report to the Kern County Engineering, Surveying, and Permit Services Department for review and

approval. The design-level geotechnical report would provide specific design requirements necessary for the design of the structures in relation to unstable soils, on-site or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse. These design requirements would comply with California Building Code and State of California design standards Chapters 16 and 18 which are required by law for all new structures in Kern County. These design standards were established to reduce the potential impact related to unstable soils, on-site or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse to a less than significant level.

d) Is located on expansive soil, as defined in Section 1805.8 of the California Building Code, creating substantial risks to life or property.

The Site area soils may be expansive. A geotechnical engineering evaluation would be needed to confirm the actual site conditions. Any recommendations based on the results of the evaluation would be performed according to standard geotechnical engineering practices.

The potential for impacts relating to expansive soils would be addressed by the applicant in the site-specific design-level geotechnical report prepared by a registered engineering geologist or soils engineer. The risk associated with expansive soils would be addressed during design of the project, in accordance with the requirements of Chapter 18 of the California Building Code. The standards set forth in the California Building Code are required to be implemented by law for new structures and are designed to reduce impacts from expansive soil to a less than significant level. Should expansive soils be identified, mitigation techniques can be readily implemented. Such techniques include overexcavation and replacement with non-expansive soil, moisture control, soil mixing, lime treatment, and/or development of specific structural designs for expansive soil conditions. In following the recommendations of the design-level geotechnical evaluation, project risks with respect to expansive soils can be adequately mitigated. We are not aware of any reason these expansive soil mitigation methods cannot be implemented effectively and reasonable for the Project. This impact is considered less than significant with mitigation incorporated.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water.

The Site does not require septic tanks or wastewater disposal systems as wastewater will not be produced from the Project Area. Therefore, there is no impact.

5.5 Cumulative Impacts

Development of the proposed project in addition to projected future development in the area will alter the landforms in the region. Site-specific geologic and construction issues will be addressed and potential impacts mitigated by implementation of recommendations contained in site-specific geotechnical

investigation(s) as the proposed project and improvements proceed through the permitting processes. The proposed project is not located close enough to other project sites in the area to cumulatively impact geology and soils. Furthermore, any geological and soil impacts are localized to the specific project areas and therefore, will not create a significant cumulative impact. The consideration of geologic and soil impacts and mitigation efforts of each proposed project in the area will result in cumulative impacts that are less than significant.

6.0 LIMITATIONS

The findings expressed in this report are based on a limited preliminary study for the area that consisted of Site reconnaissance in accessible areas and a review of publicly available references. The findings and evaluations in this report do not represent an engineering analysis of actual site conditions such as those that would be determined through on-site geologic or geotechnical investigations. A detailed investigation consisting of field exploration (field exploration and soil sampling), laboratory testing of soil samples, and engineering analysis will be required for definitive evaluation of the potential environmental impacts from development.

The findings of this report are valid as of the present. However, changes in the conditions of the Site can occur with the passage of time, whether caused by natural processes or the work of man, on this property or adjacent property. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, governmental policy or the broadening of knowledge.

BSK has prepared this report for the exclusive use of the Client and members of the project design team. The report has been prepared in accordance with generally accepted geotechnical engineering practices which existed in Kern County at the time the report was written. No other warranties either expressed or implied are made as to the professional advice provided under the terms of BSK's agreement with Client and included in this report.

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Project Locations

Buttonwillow
Rosedale Hwy
McKittrick Hwy
McKittrick
Tupman
Tule Elk State Reserve
ELK HILLS
Bakersfield
Lake Ming
Kern Canyon Rd
South Fork Cottonwood Creek
Rancheria Creek
Walker Basin Creek
Kern River
Caliente
Bakersfield-Tehachapi-Hwy
Lamont
Arvin
E Bear Mountain Blvd
Keene
Taft Hwy
West Side Hwy
BUENA VISTA VALLEY
BUENA VISTA LAKE BED
BUENA VISTA HILLS
Fellows
MIDWAY VALLEY
Ford City
Taft
KERN LAKE BED
Bear Valley Springs
Golden Hills
Tehachapi
TEHACHAPI VALLE
Carrizo Plain National Monument
ELKHORN PLAIN
MARICOPA FLAT
TEJON HILLS
Maricopa
Maricopa Hwy
RANGE
3208 ft
7746 ft
El Paso Creek
6354 ft
TEHACHAPI MOUNTAINS
New Cuyama
CUYAMA VALLEY
Bitter Crk National Wildlife Refuge
PLEITO HILLS
SAN EMIGDIO MOUNTAINS
MOUNTAINS
Cuyama River
QUATAL CANYON
Lebec
Frazier Park
KERN
VENTURA
8829 ft
KERN
LOS ANGELES

Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 1 Vicinity Map.mxd

BSK ASSOCIATES

Map Revised Date: 10/8/2020

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Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 1
Vicinity Map
BSK Project G1929610B

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295-130-83

See Figure 2a

See Figure 2c

445-062-34
445-052-34
445-052-32
445-052-30
445-052-28

238-211-48
238-212-32

See Figure 2b

Legend

- Figure Areas
- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

BSK ASSOCIATES

Revised Map Date: 12/15/2020

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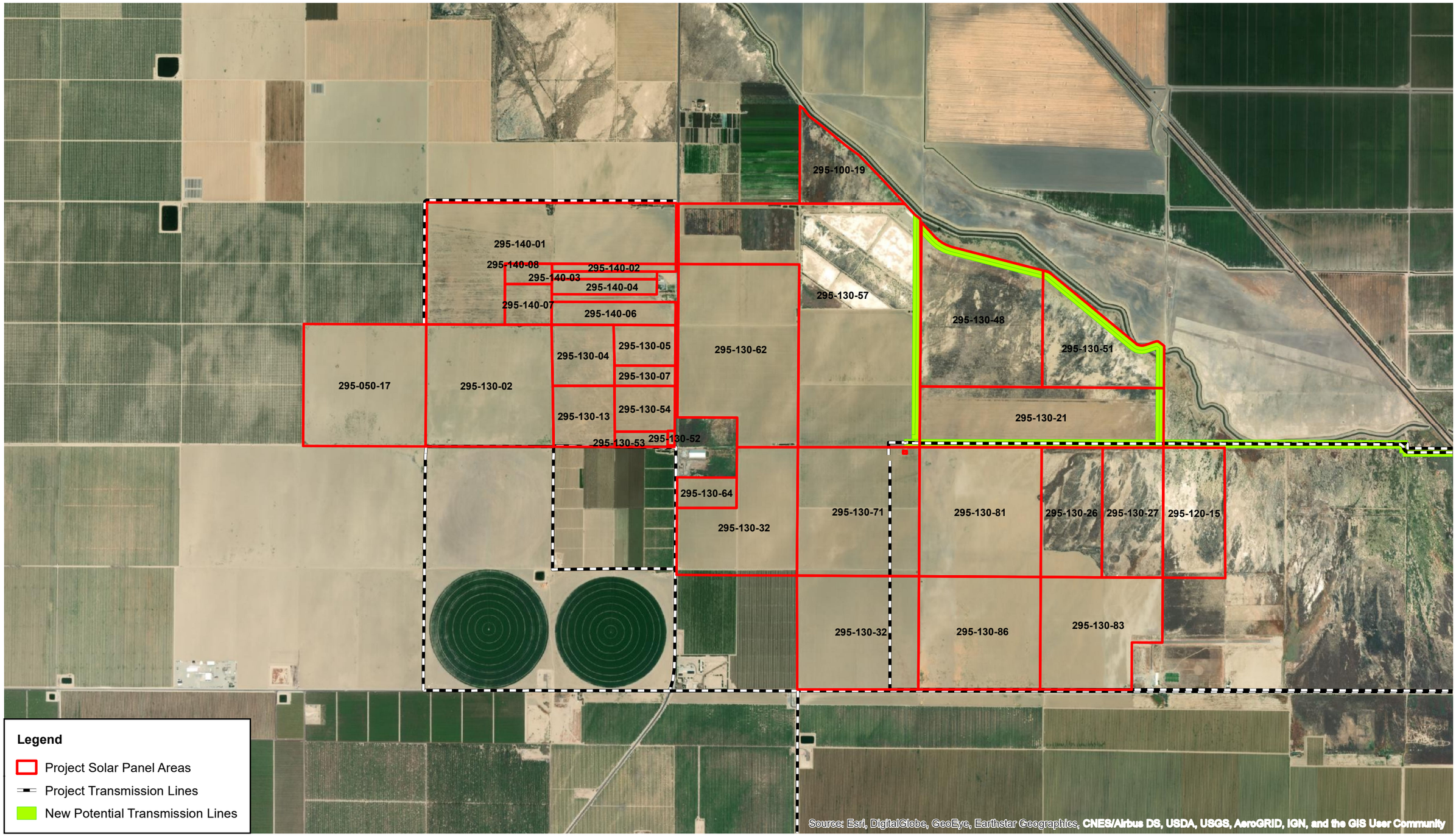
Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 2
Site Map
BSK Project G1929610B



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BSK ASSOCIATES

Revised Map Date: 12/15/2020

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Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 2a
Site Map Area A
BSK Project G1929610B

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445-052-32

445-052-30

445-052-28

238-211-48

238-212-32

Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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BSK ASSOCIATES

Revised Map Date: 12/15/2020

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Reference: http://goto.arcgisonline.com/maps/World_Topo_Map

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 2b
Site Map Area B
BSK Project G1929610B

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

BSK ASSOCIATES Map Date: 12/15/2020

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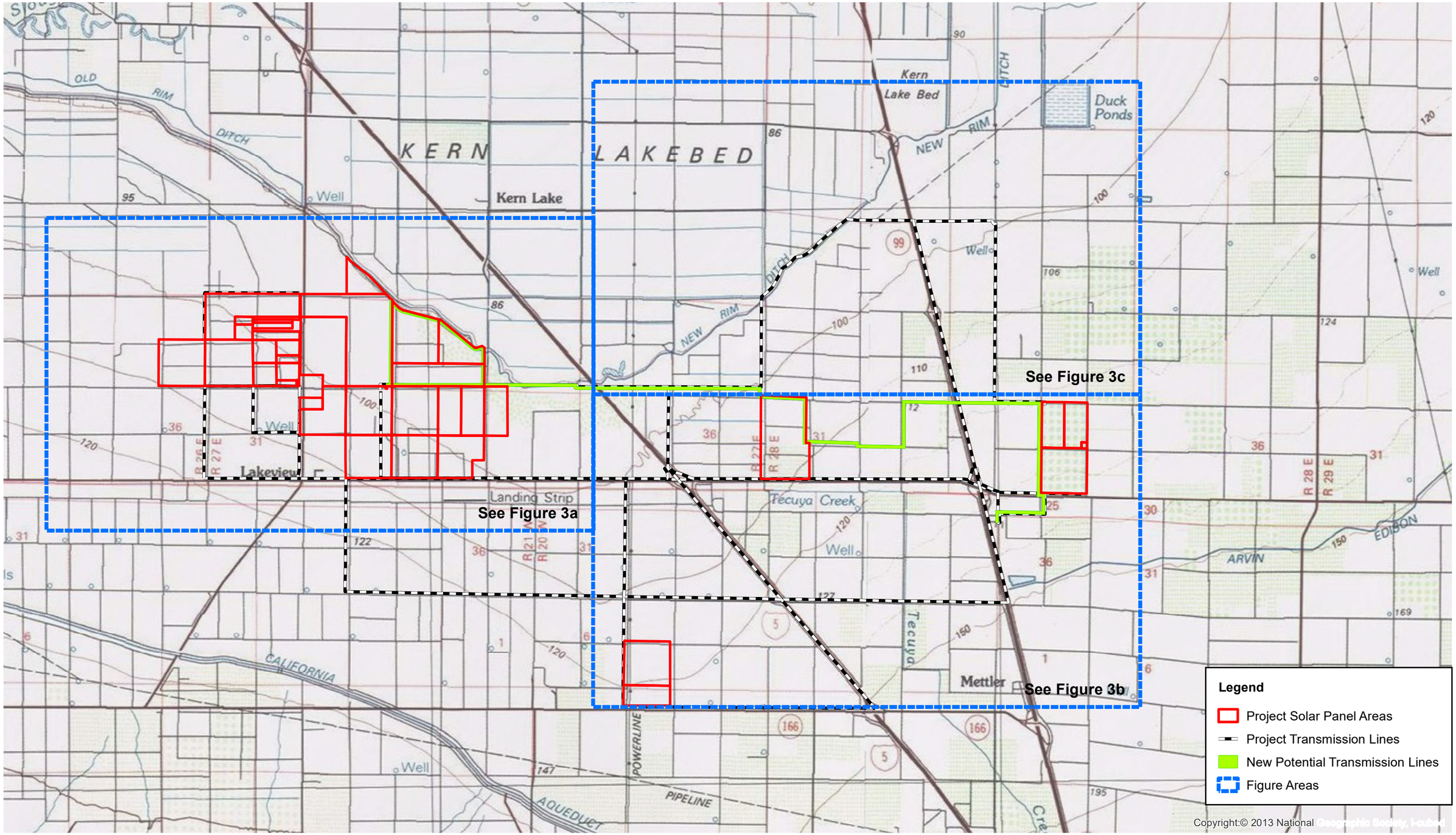
Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 2c
Site Map Area C
BSK Project G1929610B



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BSK ASSOCIATES

Revised Map Date: 12/15/2020

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Reference: http://goto.arcgisonline.com/maps/USA_Topo_Maps

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 3
Topographic Map
BSK Project G1929610B

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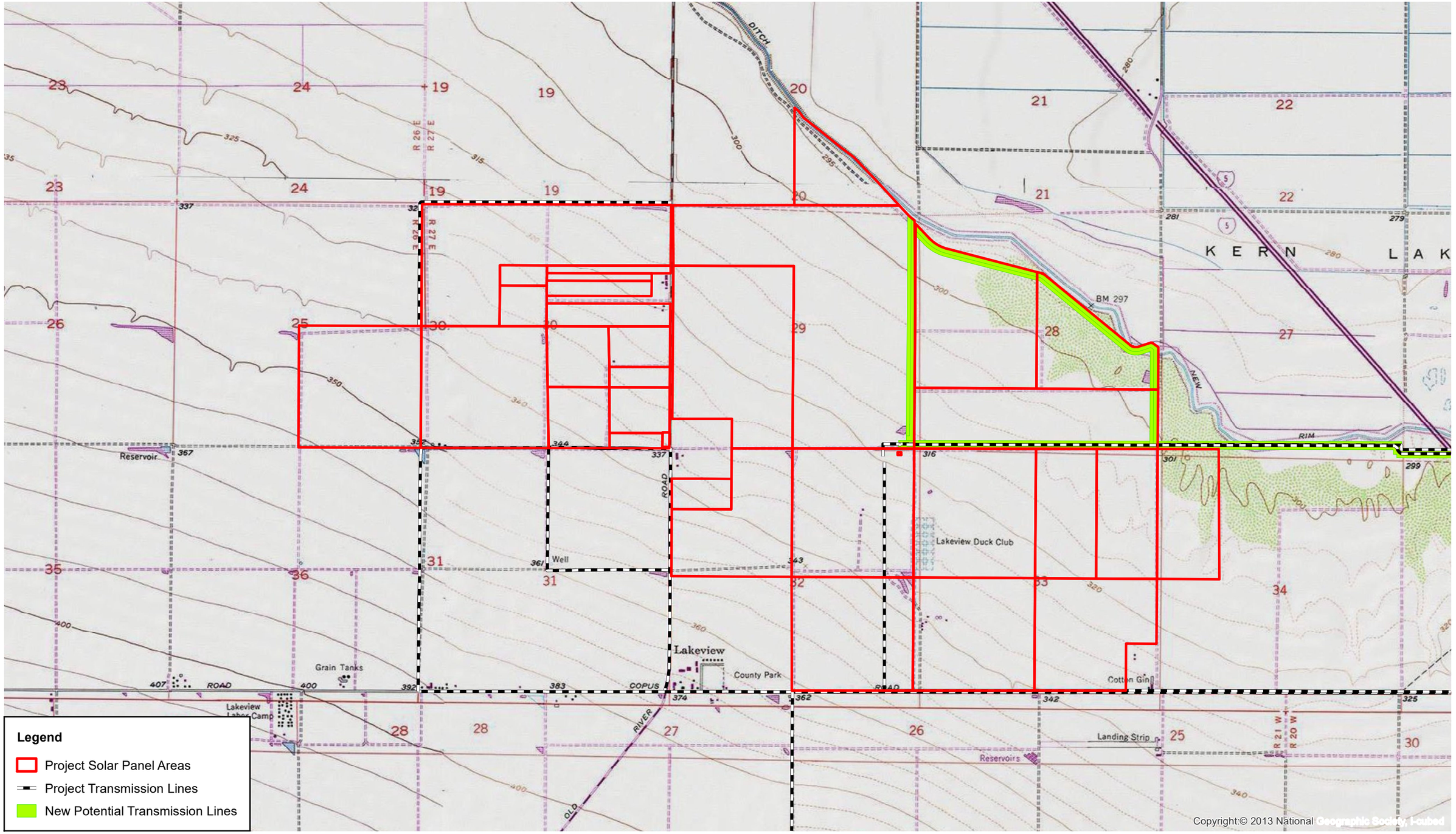

BSK ASSOCIATES

Revised Map Date: 12/15/2020

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Reference: http://goto.arcgisonline.com/maps/USA_Topo_Maps

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 3a
Topographic Map
BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 3b Topographic Map.mxd

PIPELINE
COPUS ROAD
BM 352
Tecuya Creek
Reservoir
COBERLY WEST ROAD
BM 395
BM 406
BM 436
BM 457
BM 481
VALPREDO
Well
Water Tank
BM 403
MARICOPA HIGHWAY
BM 434
BM 516
BM 527
BM 539
BM 547
Mettler
R 20 W
R 19 W

Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

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BSK ASSOCIATES

Revised Map Date: 12/15/2020

N W E S

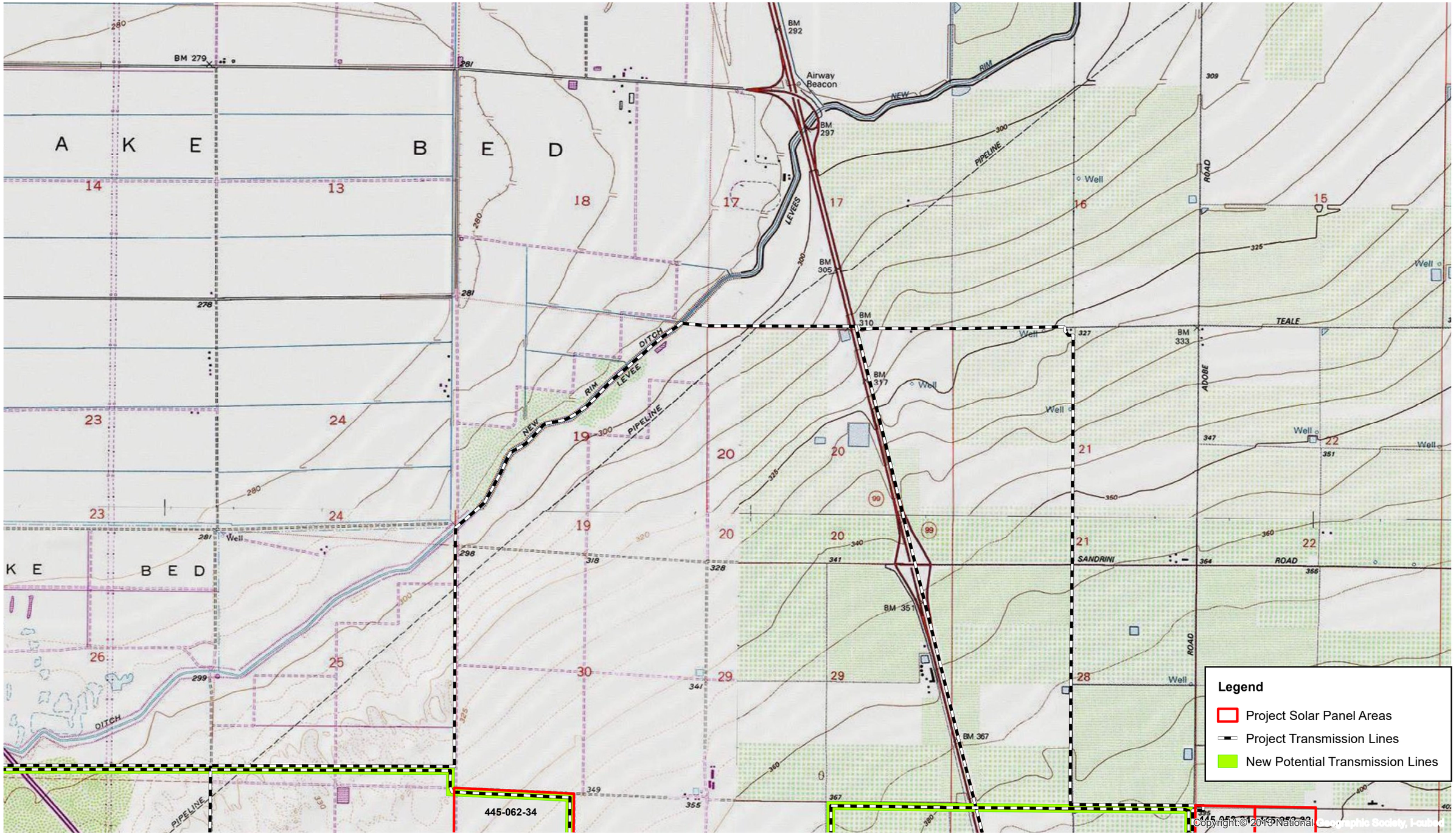
0 1,000 2,000 4,000
Feet

Reference: http://goto.arcgisonline.com/maps/USA_Topo_Map

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 3b
Topographic Map
BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 3c Topographic Map.mxd



BSK ASSOCIATES

Revised Map Date: 12/15/2020

N W E S

0 1,000 2,000 4,000

Feet

Reference: http://goto.arcgisonline.com/maps/USA_Topo_Map

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

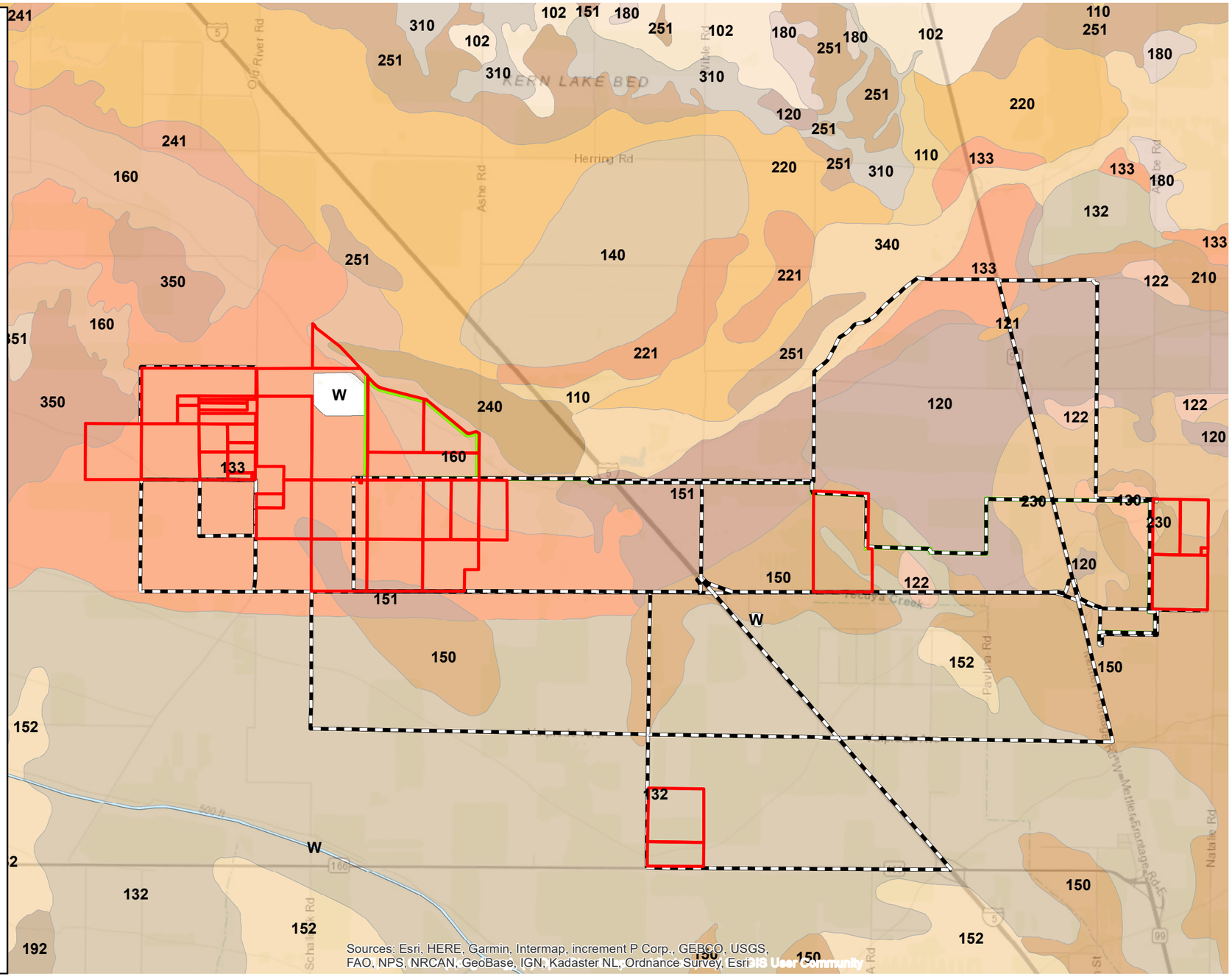
Figure 3c
Topographic Map
BSK Project G1929610B

Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Symbol, Unit Name

- 102 | Bakersfield sandy loam, partially drained, 0 to 1 percent slopes
- 110 | Buttonwillow clay, partially drained, 0 to 1 percent slopes
- 120 | Granoso loamy sand, 0 to 2 percent slopes
- 121 | Granoso loamy sand, 2 to 5 percent slopes
- 122 | Granoso loamy sand, loamy substratum, 0 to 2 percent slopes
- 130 | Cerini sandy loam, 0 to 2 percent slopes
- 132 | Cerini loam, 0 to 2 percent slopes
- 133 | Calflax loam, 0 to 1 percent slopes
- 140 | Copus silty clay, partially drained, 0 to 1 percent slopes
- 150 | Excelsior sandy loam, 0 to 2 percent slopes, MLRA 17
- 151 | Excelsior fine sandy loam, saline-sodic, 0 to 1 percent slopes
- 152 | Excelsior loam, 0 to 2 percent slopes
- 160 | Fages clay, 0 to 1 percent slopes
- 180 | Garces loam, 0 to 1 percent slopes
- 192 | Guijarral-Klipstein complex, 2 to 5 percent slopes
- 210 | Kimberlina fine sandy loam, 0 to 2 percent slopes MLRA 17
- 220 | Lokern clay, drained, 0 to 1 percent slopes
- 221 | Lokern clay, partially drained, 0 to 1 percent slopes
- 230 | Milagro loamy sand, 0 to 1 percent slopes
- 240 | Millox clay loam, partially drained, 0 to 1 percent slopes
- 241 | Millox clay loam, partially drained, nonsaline, 0 to 1 percent slopes
- 251 | Oldriver loam, partially drained, sodic, 0 to 1 percent slopes
- 260 | Panoche loam, 0 to 1 percent slopes
- 310 | Vineland loamy sand, drained, 0 to 1 percent slopes
- 340 | Weedpatch clay loam, 0 to 1 percent slopes
- 350 | Posochanet silt loam, saline-sodic, 0 to 1 percent slopes
- 351 | Posochanet silty clay loam, saline-sodic, 0 to 1 percent slopes
- W | Water



Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 4 Soil Units.mxd

BSK ASSOCIATES

Revised Map Date: 12/15/2020

N W E S

0 0.5 1 2

Miles

Source: U.S. Department of Agriculture, Natural Resources Conservation Service, Soil Survey Geographic (SSURGO) database for Kern County, California, Area CA691

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

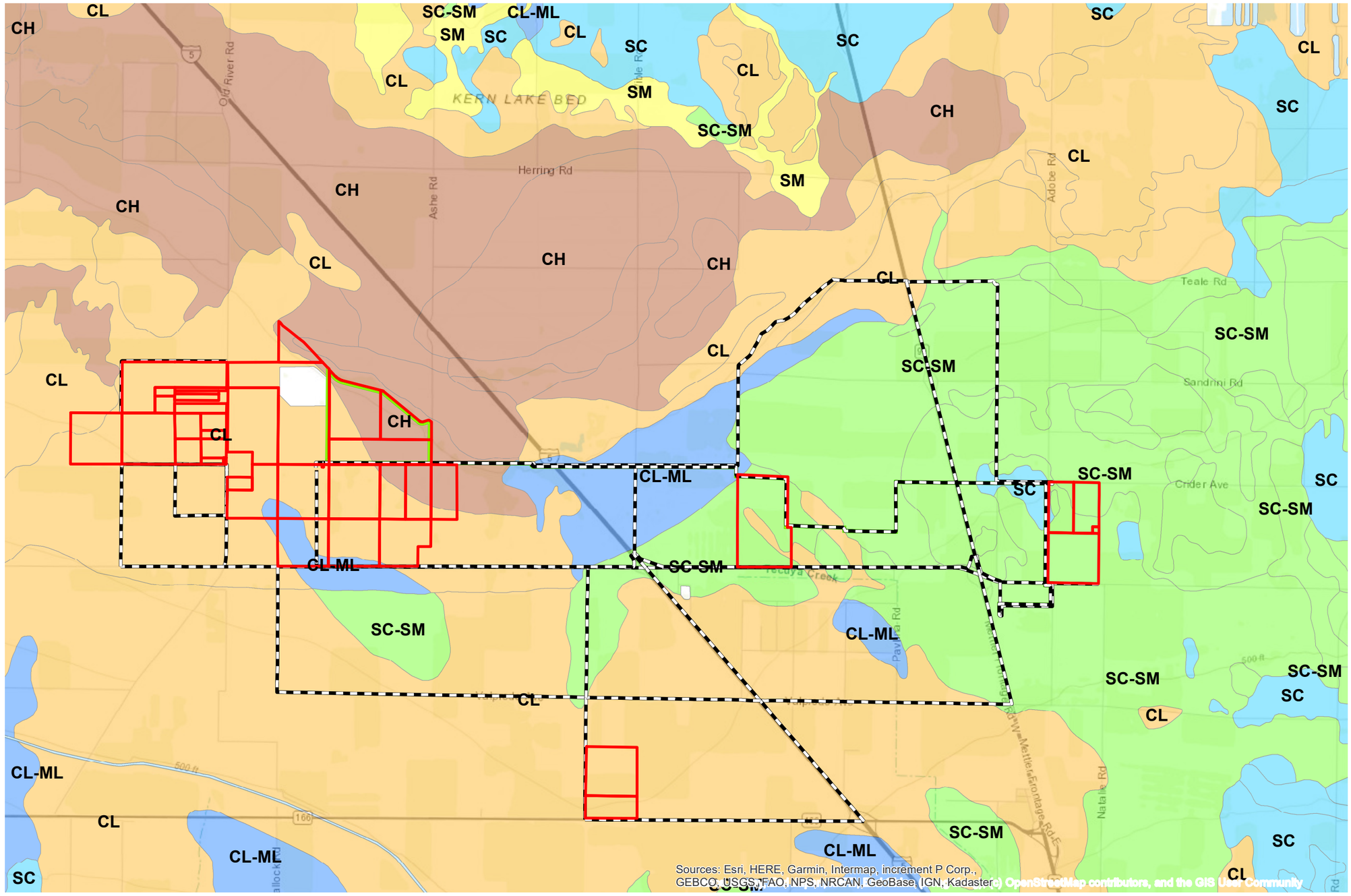
Figure 4
Soil Map
BSK Project G1929611B

Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Unified Soil Classification System

- CH - Clay, High Plastticity
- CL - Clay, Low Plastticity
- CL-ML - Clay/Silt
- SC - Clayey Sand
- SC-SM - Clayey/Silty Sand
- SM - Silty Sand



Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 4a Soil Units USCS.mxd

BSK ASSOCIATES

Revised Map Date: 12/15/2020

N W E S

0 0.5 1 2

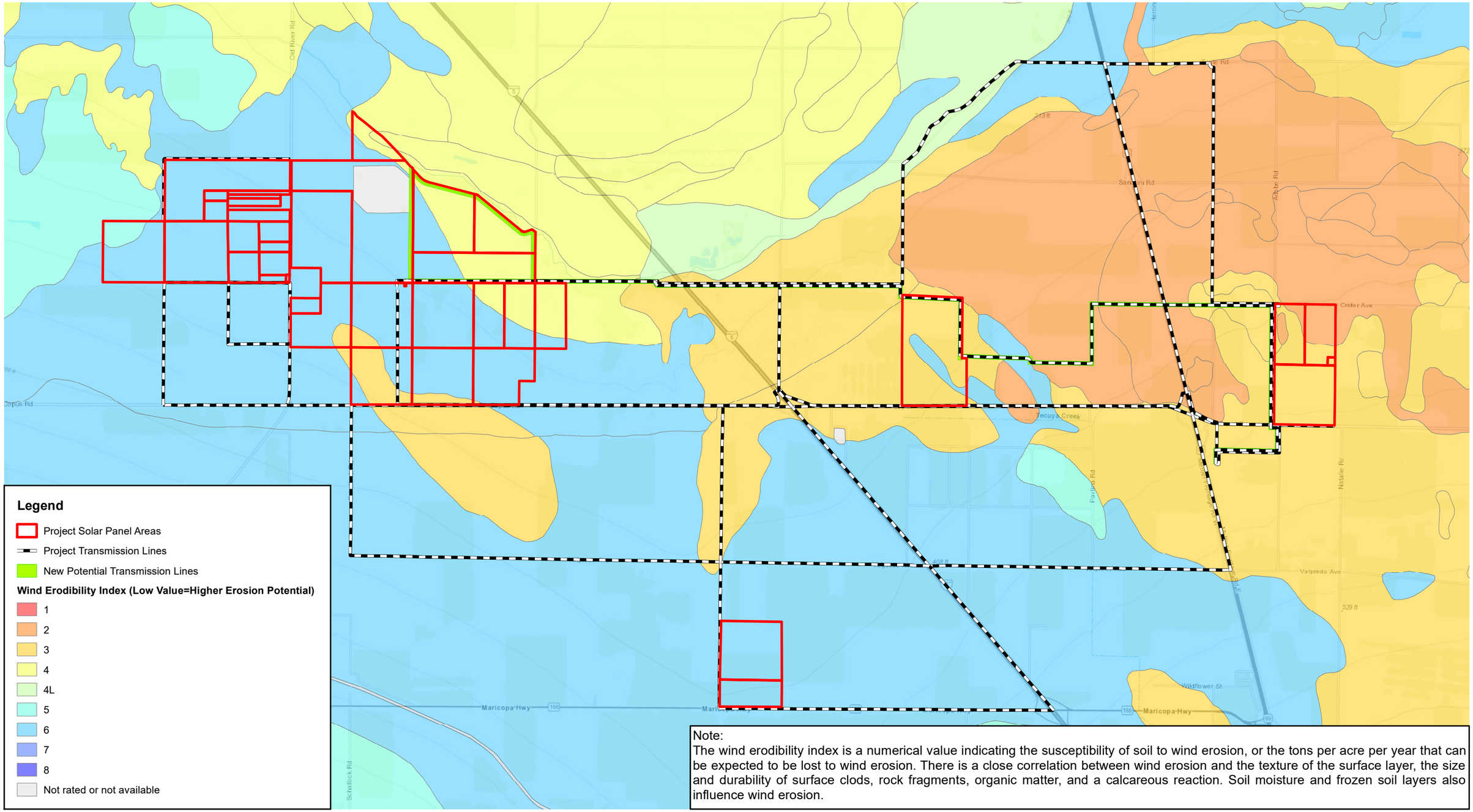
Miles

Source: U.S. Department of Agriculture, Natural Resources Conservation Service, Soil Survey Geographic (SSURGO) database for Kern County, California, Area CA691

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 4a
Soil Map Showing
USCS Soil Types
BSK Project G1929611B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 4b Soil wind.mxd



Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Wind Erodibility Index (Low Value=Higher Erosion Potential)

- 1
- 2
- 3
- 4
- 4L
- 5
- 6
- 7
- 8
- Not rated or not available

Note:
The wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Revised Map Date: 12/15/2020

N W E S

0 0.5 1 2
Miles

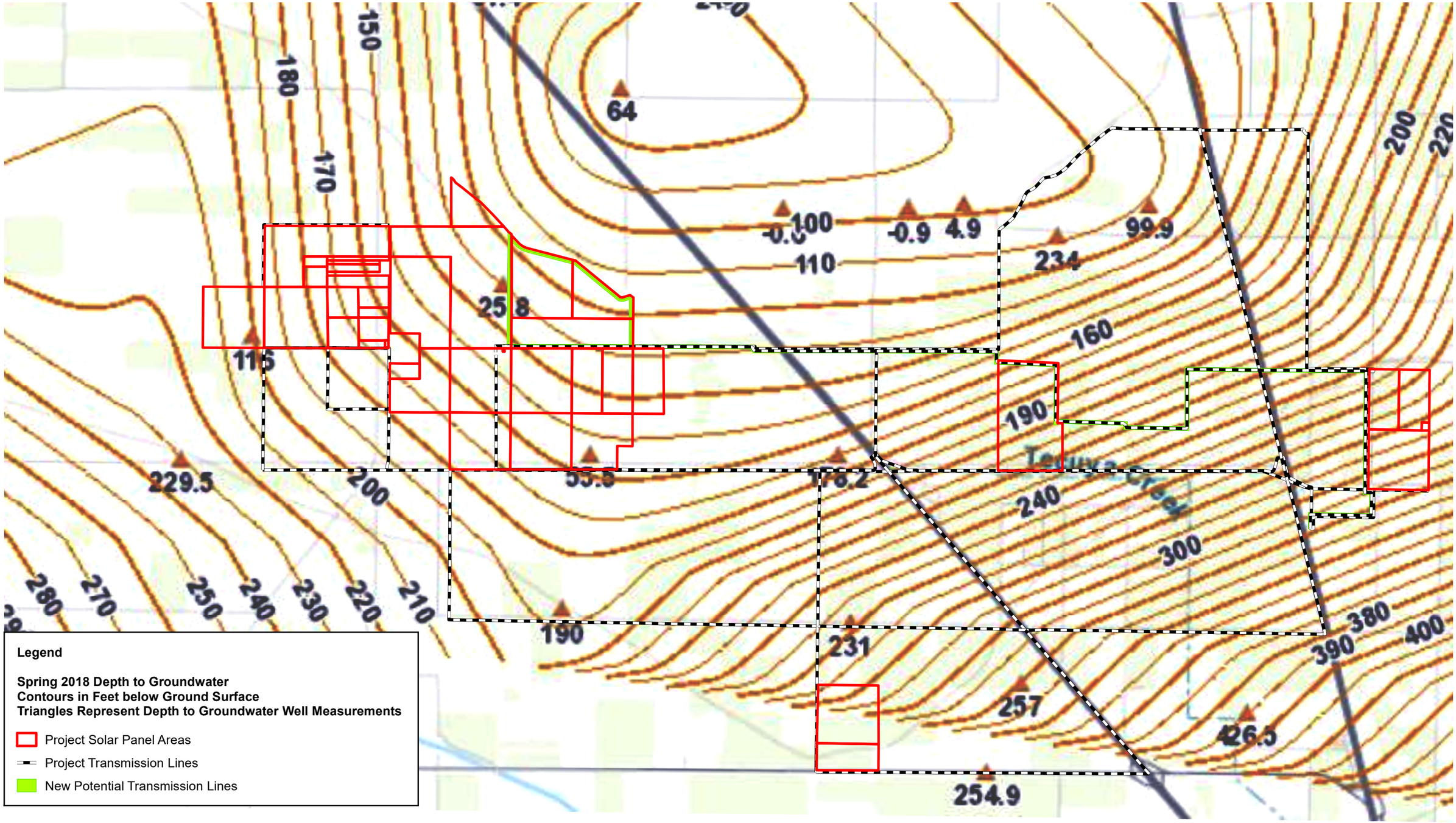
BSK ASSOCIATES

Source: U.S. Department of Agriculture, Natural Resources Conservation Service, Soil Survey Geographic (SSURGO) database for Kern County, California, Area CA691

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 4b
Wind Erodibility Index
BSK Project G1929611B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 5 Groundwter Contours.mxd



Legend

Spring 2018 Depth to Groundwater
Contours in Feet below Ground Surface
Triangles Represent Depth to Groundwater Well Measurements

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

BSK ASSOCIATES

Revised Map Date: 12/15/2020

N W E S

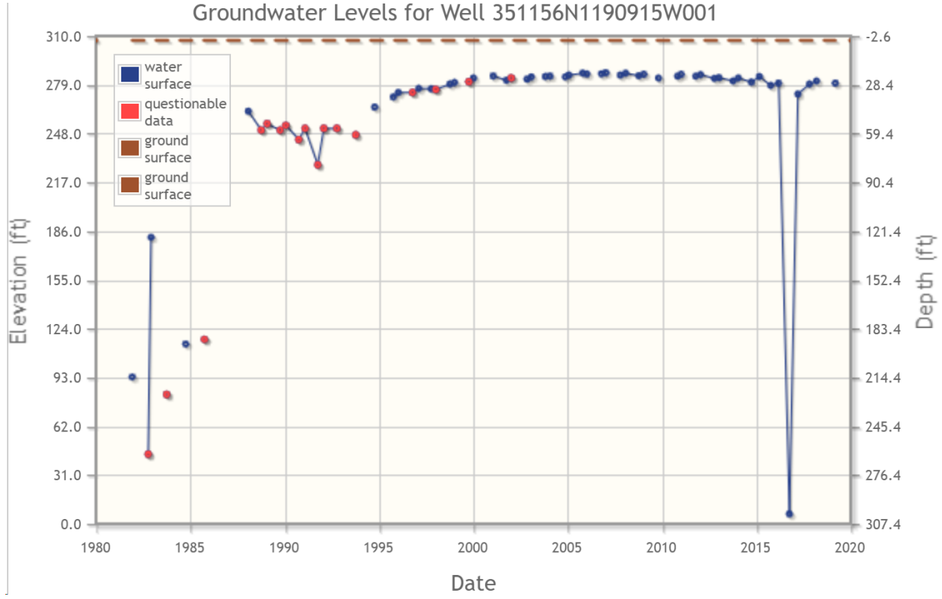
0 2,000 4,000 8,000
Feet

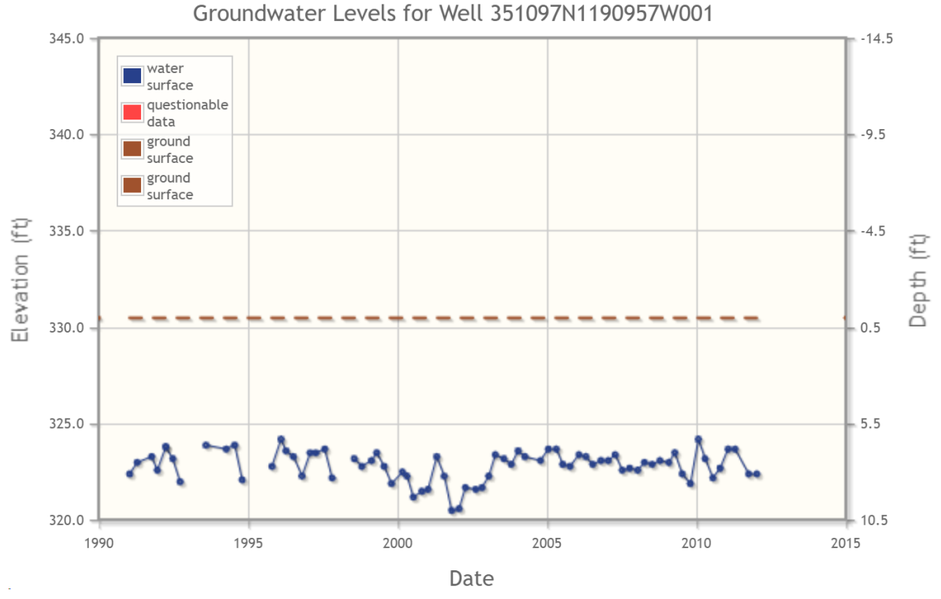
Reference: DWR Groundwater Information Center Interactive Map
https://gis.water.ca.gov/app/gicima/

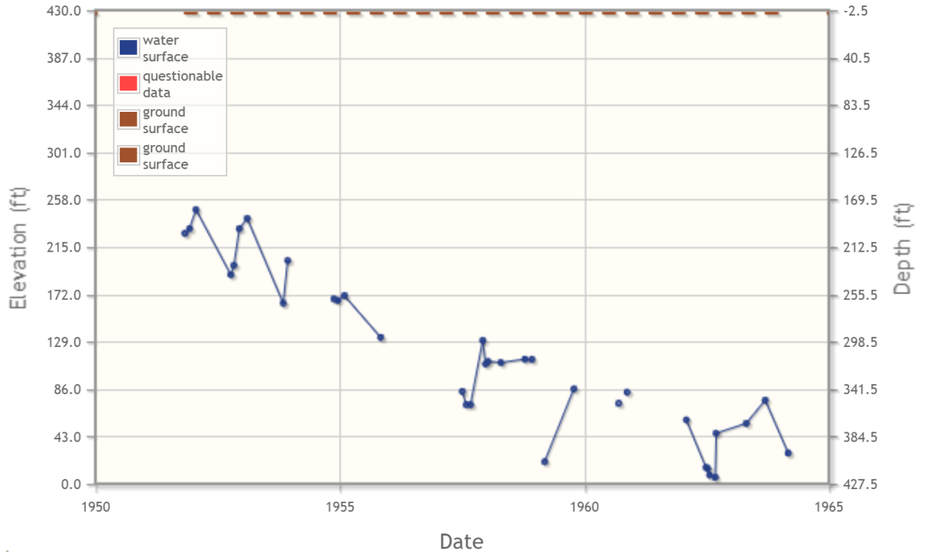
Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

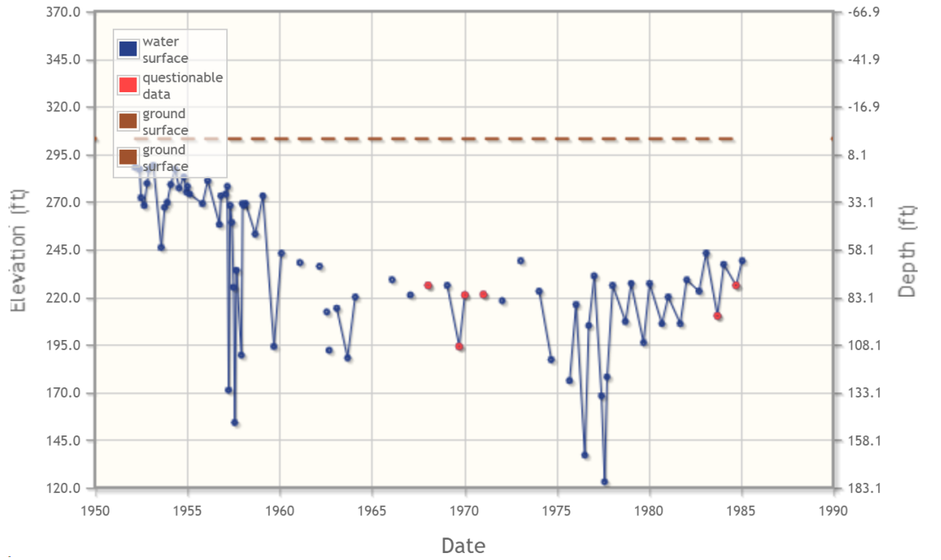
Figure 5
Depth to Groundwater
Contour Map
BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 5a Hydrographs.mxd







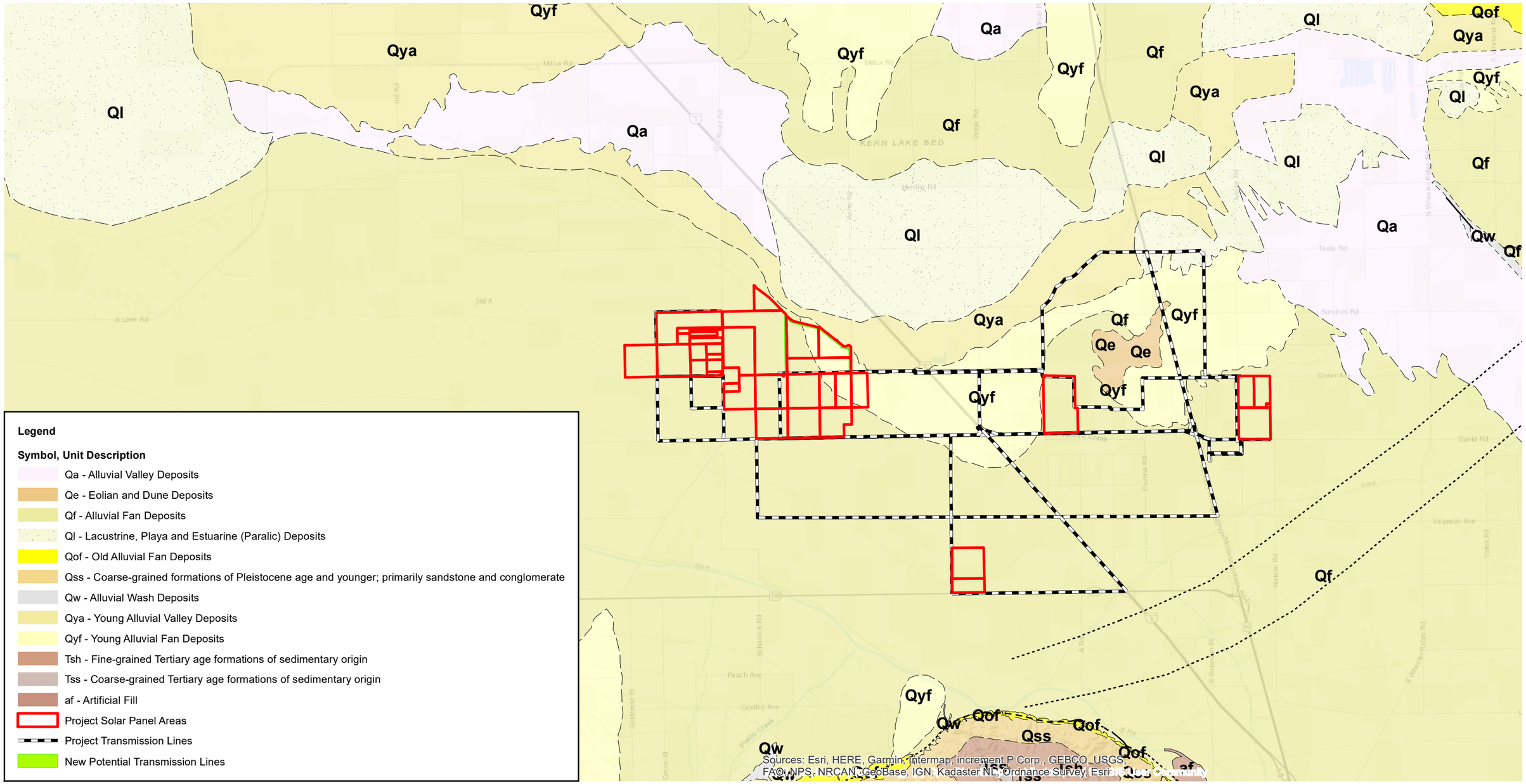


BSK ASSOCIATES Revised Date: 10/19/2020

Reference: DWR Water Data Library, http://wdl.water.ca.gov/waterdatalibrary/

Preliminary Soil and Geology Evaluation Sandrini Solar Park Kern County, California	Figure 5a Selected Hydrographs BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 6 Geology.mxd



Legend

Symbol, Unit Description

- Qa - Alluvial Valley Deposits
- Qe - Eolian and Dune Deposits
- Qf - Alluvial Fan Deposits
- Ql - Lacustrine, Playa and Estuarine (Paralic) Deposits
- Qof - Old Alluvial Fan Deposits
- Qss - Coarse-grained formations of Pleistocene age and younger; primarily sandstone and conglomerate
- Qw - Alluvial Wash Deposits
- Qya - Young Alluvial Valley Deposits
- Qyf - Young Alluvial Fan Deposits
- Tsh - Fine-grained Tertiary age formations of sedimentary origin
- Tss - Coarse-grained Tertiary age formations of sedimentary origin
- af - Artificial Fill
- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Revised Map Date: 12/15/2020

BSK ASSOCIATES

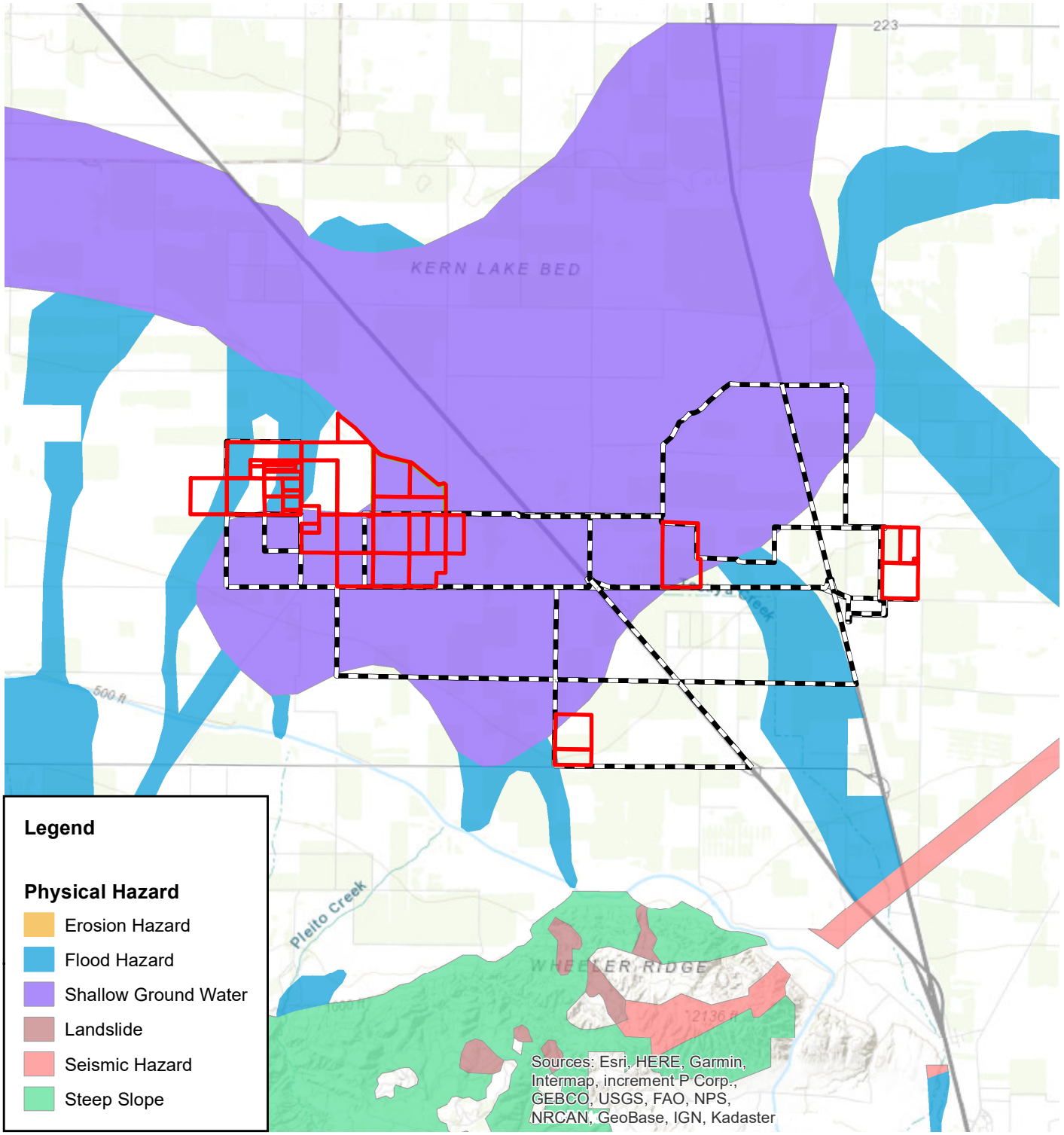
0 0.75 1.5 3
Miles

N W E S

Reference: Soutehrn California Surfical Deposits, California Geological Survey Special Report Issue, SR 217, 2010

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 6
Geologic Map
BSK Project G1929610B



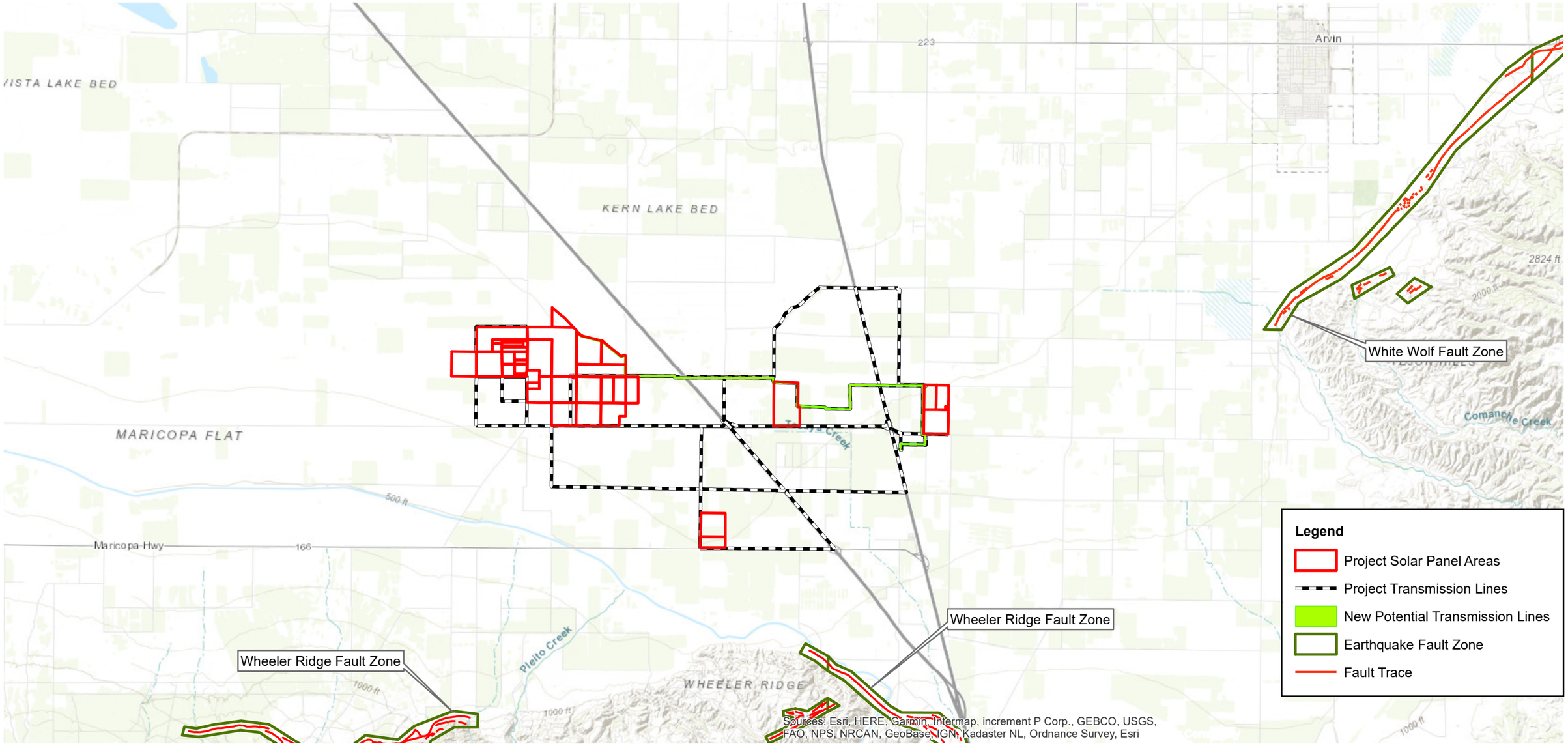
Revised Map Date: 12/15/2020

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 7-Physical Constraints.mxd

BSK ASSOCIATES

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 7
Kern County Physical Constaints
BSK Project G1929610B



Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 8 AP fault.mxd

Revised Map Date: 12/15/2020

BSK ASSOCIATES

0 1 2 4
Miles

N W E S

Source: CGS Earthquake Hazard Zones,
http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 8
Earthquake Fault Zone
BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 8a local fault Map.mxd

KERN LAKE BED

Herring Rd

Ashe Rd

Adobe Rd

N Wheeler Ridge Rd

Fault Traces (1952 Earthquake)

Teale Rd

Sandrini Rd

Cride Ave

346 ft

Copus Rd

Tecuya Creek

Pavlina Rd

Davis Rd

500 ft

Valpredo Ave

Natalie Rd

Schallock Rd

Wheeler Ridge Rd

Fault Traces (1952 Earthquake)

Legend

- Project Solar Panel Areas
- New Potential Transmission Lines
- Project Transmission Lines

Fault Activity Age

- Historic
- Latest Quaternary
- Late Quaternary
- Middle and Late Quaternary
- Undifferentiated Quaternary

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

Revised Map Date: 12/15/2020

N W E S

0 0.5 1 2

Miles

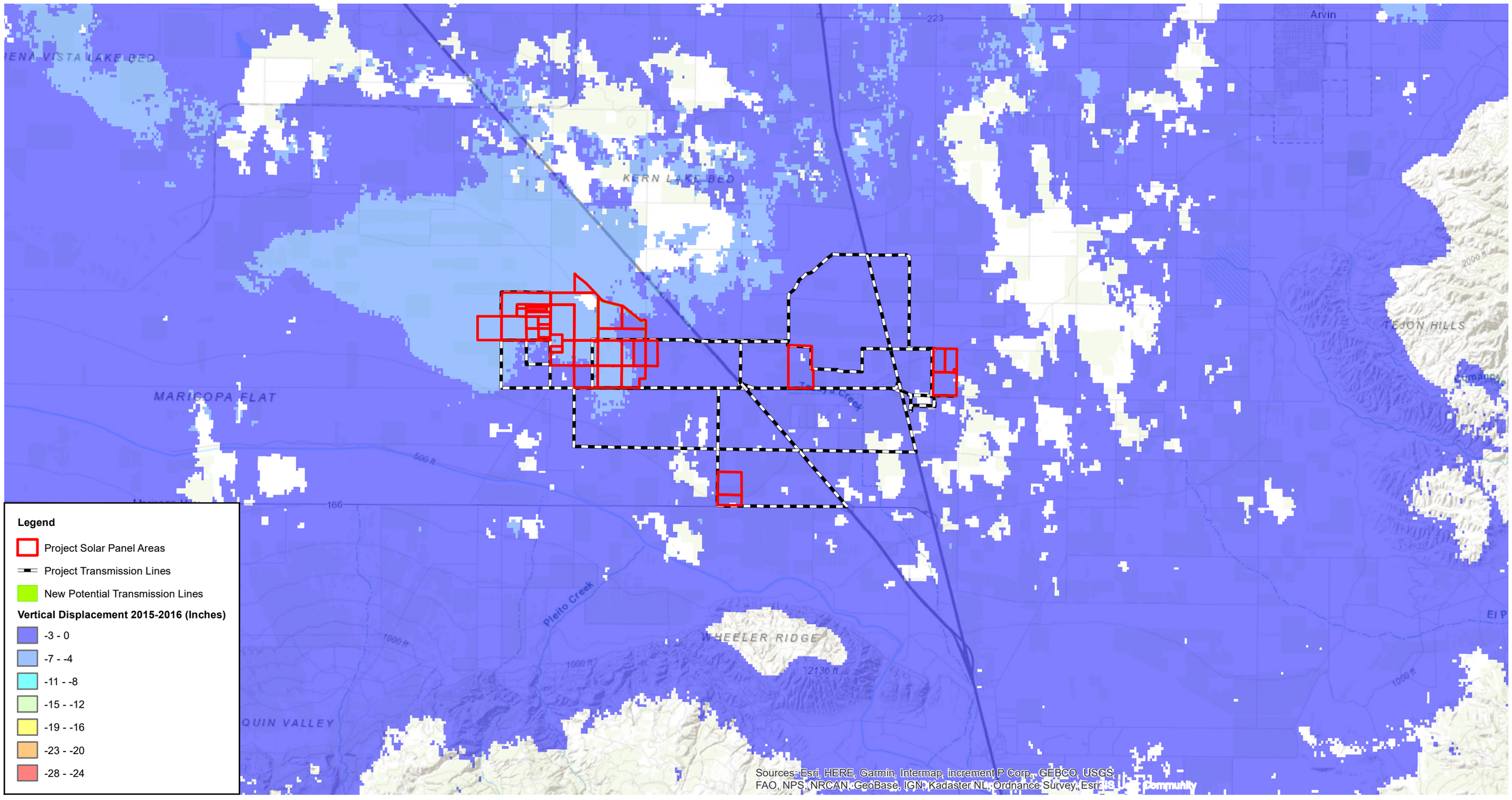
BSK ASSOCIATES

Reference: U.S. Geological Survey and California Geological Survey, Quaternary fault and fold database for the United States, accessed 2019, from USGS web site: https://earthquake.usgs.gov/hazards/qfaults/
2010 Fault Activity Map of California http://maps.conservation.ca.gov/cgs/fam/

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 8a
Local Fault Map
BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figures Oct 2020\Figure 9 Subsidence Map.mxd



Legend

- Project Solar Panel Areas
- Project Transmission Lines
- New Potential Transmission Lines

Vertical Displacement 2015-2016 (Inches)

- -3 - 0
- -7 - -4
- -11 - -8
- -15 - -12
- -19 - -16
- -23 - -20
- -28 - -24

Map Date: 12/15/2020

N W E S

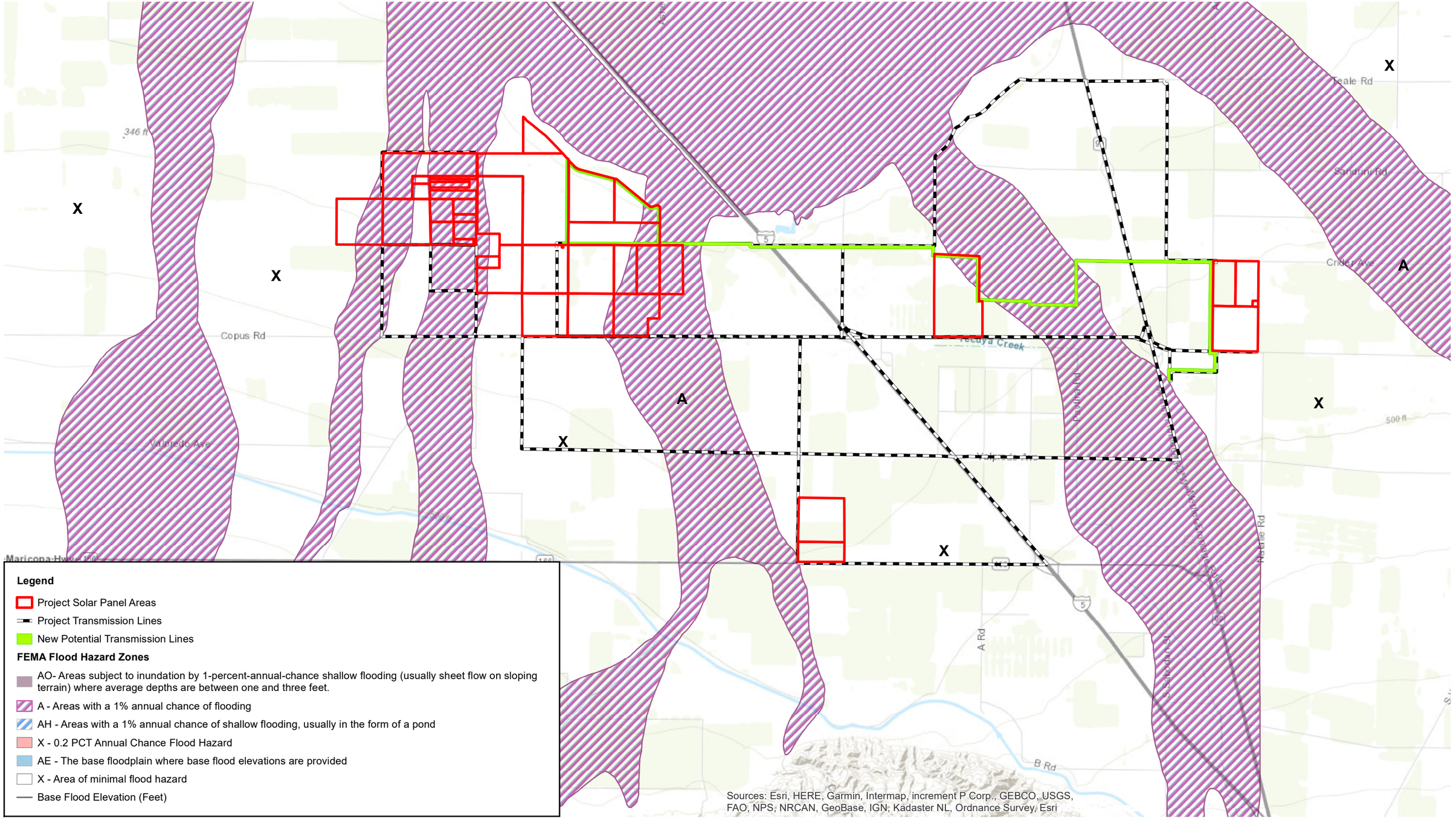
0 1 2 4
Miles

BSK ASSOCIATES

Data based on Interferometric Synthetic Aperture Radar (InSAR) from JPL
https://data.cnra.ca.gov/dataset/nasa-jpl-insar-subsidence

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 9
Area Subsidence
BSK Project G1929610B


X
X
A
X
X
X
A
X
346 ft
Copus Rd
Valladolid Ave
Maricopa Hwy
Teale Rd
Sandrini Rd
Crider Ave
Reeves Creek
Reeves Creek
Reeves Creek

Project Area

Legend

Fault Activity Age

- Historic
- Latest Quaternary
- Late Quaternary
- Middle and Late Quaternary
- Undifferentiated Quaternary
- Pre-Quaternary Faults

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Revised Map Date: 10/19/2020

0 5 10 20
Miles

Reference: U.S. Geological Survey and California Geological Survey, Quaternary fault and fold database for the United States, accessed 2019, from USGS web site: https://earthquake.usgs.gov/hazards/qfaults/
2010 Fault Activity Map of California http://maps.conservation.ca.gov/cgs/fam/

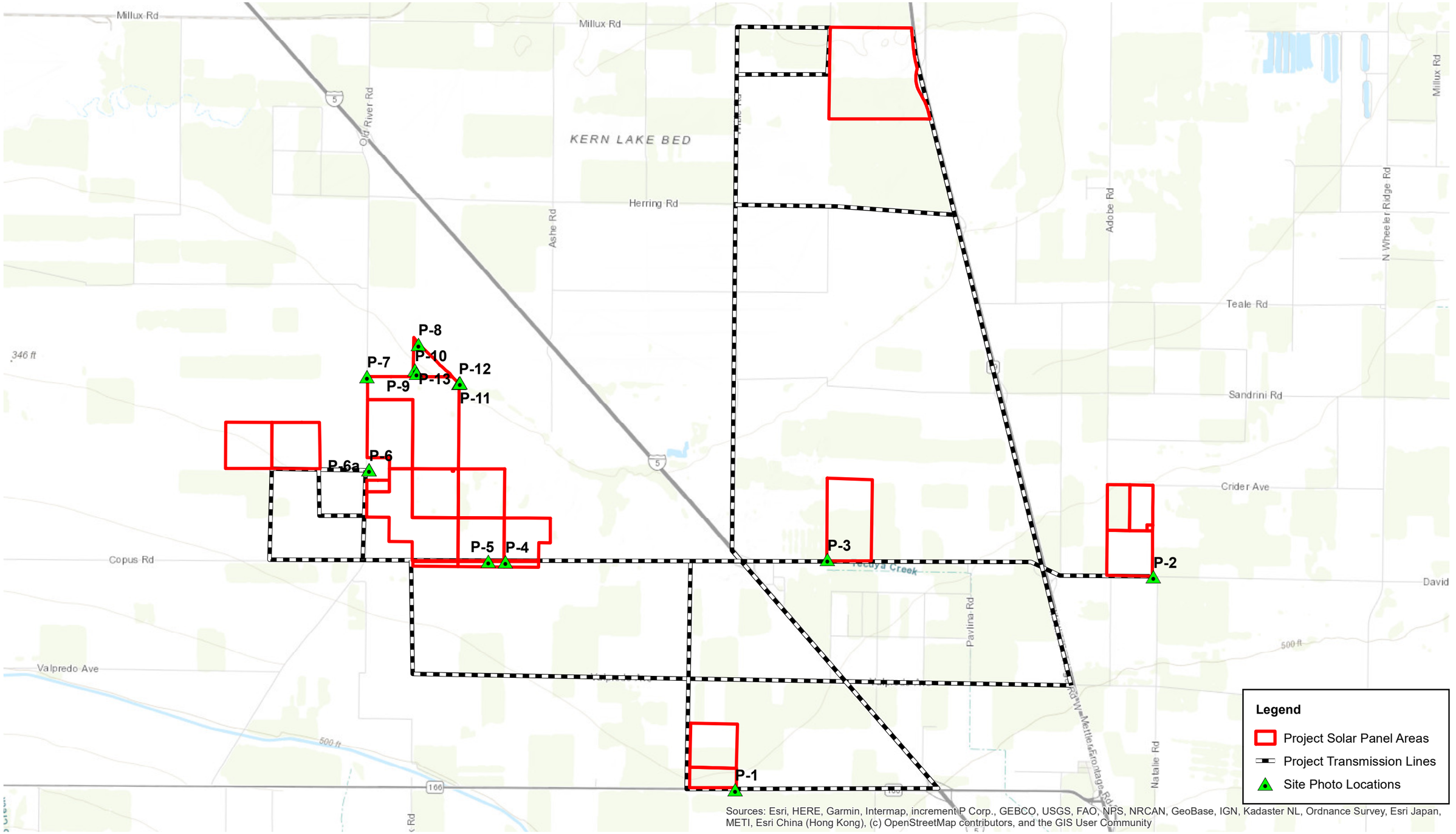
Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure 11
Regional Fault Map
BSK Project G1929610B

Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figure 10 fault Map.mxd

APPENDIX A

SITE PHOTOS



Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figure x photos.mxd

BSK ASSOCIATES Map Date: 12/30/2019

N W E S

0 0.5 1 2
Miles

Reference: http://goto.arcgisonline.com/maps/World_Topo_Map

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure A-1
Photo Location Map
BSK Project G1929610B

Photo 1: APN-212-32, Aerial Panorama

Photo 2: APN 445-052-28, Aerial Panorama

BSK ASSOCIATES	Preliminary Soil and Geology Evaluation Sandrini Solar Park Kern County, California	Date Taken: December 2019 Figure A-2 BSK Project G1929610B

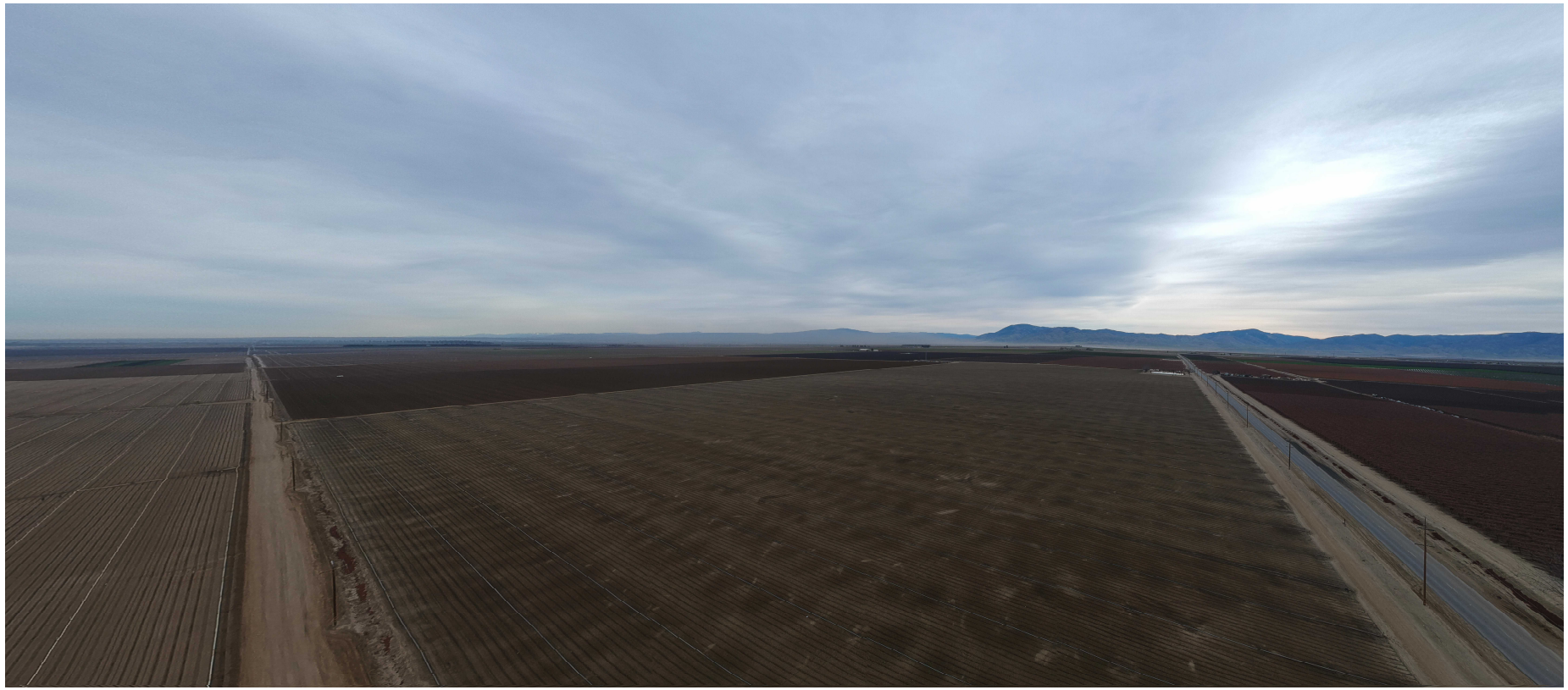


Photo 3: APN 445-062-34, Aerial Panorama, Copus Road to the right

Photo 4: APN 295-130-82 and 83, Aerial Panorama

Photo 5: Copus Road, Road Cracking

BSK ASSOCIATES	Preliminary Soil and Geology Evaluation Sandrini Solar Park Kern County, California	Date Taken: December 2019 Figure A-5 BSK Project G1929610B

Photo 6: APN 295-130-02, Aerial Panorama, Old River Road to the right .

Photo 6a: APN 295-130-62 and 32, Aerial Panorama

Photo 7: APN 295-130-57, Aerial Panorama, Old River Road to right and left.

Photo 8: Levee for New Rim Ditch, Project area to the right

BSK ASSOCIATES	Preliminary Soil and Geology Evaluation Sandrini Solar Park Kern County, California	Date Taken: December 2019 Figure A-9 BSK Project G1929610B

Photo 9: APN 295-100-19, Disturbed Soil.

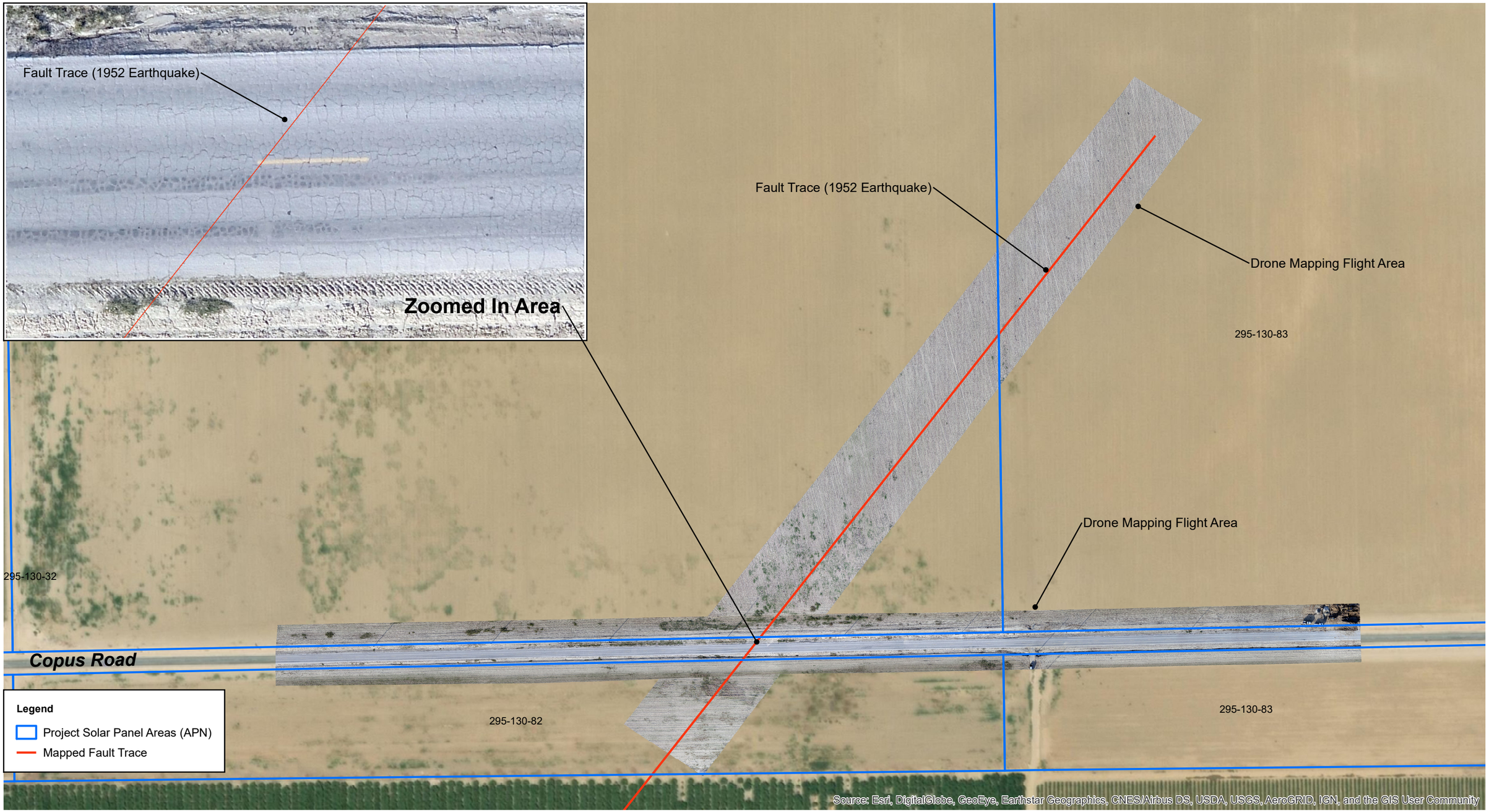
Photo 10: APN 295-100-19, Excavation and Pond.

Photo 11: New Rim Ditch, Project area to the left

Photo 12: APN 295-130-57, Salts on soil

BSK ASSOCIATES	Preliminary Soil and Geology Evaluation Sandrini Solar Park Kern County, California	Date Taken: December 2019 Figure A-13 BSK Project G1929610B

Photo 13: 295-130-57, Former ponds with salts



Document Path: T:\GIS-Files\Project-Files\Geotech\G1929610B - Sandrini Solar - Bakersfield\Figure A-15 drone aerial.mxd

Map Date: 12/30/2019

N
W E
S

0 125 250 500
Feet

BSK ASSOCIATES

Reference: U.S. Geological Survey and California Geological Survey,
Quaternary fault and fold database for the United States,
accessed 2019, from USGS web site: https://earthquake.usgs.gov/hazards/qfaults/

Drone Flight on 12/20/2019 using DJI Phantom 4
at elevation of 200 feet above ground level.

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure A-15
Drone Mapping Flight Areas
BSK Project G1929610B

Drone Mapping Flight Area

Fault Trace (1952 Earthquake)

295-130-62

295-130-57

Old River Road

Legend

Project Solar Panel Areas (APN)

Mapped Fault Trace

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS,

Document Path: D:\GIS\G1929610B - Sandrini Solar - Bakersfield\Figure A-16 drone aerial2.mxd

Map Date: 1/1/2020

N W E S

0 150 300 600

Feet

BSK ASSOCIATES

Reference: U.S. Geological Survey and California Geological Survey, Quaternary fault and fold database for the United States, accessed 2019, from USGS web site: https://earthquake.usgs.gov/hazards/qfaults/

Drone Flight on 12/21/2019 using DJI Phantom 4 at elevation of 200 feet above ground level.

Preliminary Soil and Geology Evaluation
Sandrini Solar Park
Kern County, California

Figure A-16
Drone Mapping Flight Areas
BSK Project G1929610B

APPENDIX B

USDA SOIL PROPERTIES

Engineering Properties

Kern County, California, Southwest Part

[Absence of an entry indicates that the data were not estimated. This report shows only the major soils in each map unit]

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				*Pct*	*Pct*					*Pct*	
102:												
Bakersfield, partially drained	0-3	Sandy loam	SC, SM	A-2-4, A-4, A-6	0	0	100	95-100	78-95	29-43	18-33	2-11
	3-10	Fine sandy loam	SC, SM	A-2-4, A-4, A-6	0	0	100	95-100	78-95	29-43	18-30	2-11
	10-16	Fine sandy loam	SC, SM	A-2-4, A-4, A-6	0	0	100	95-100	77-94	27-42	18-30	2-15
	16-29	Stratified sand to loam	SC, SC-SM, SM	A-2-4, A-4, A-6	0	0	100	95-100	64-82	27-44	0-29	NP-12
	29-45	Stratified sand to loam	CL, SM	A-4, A-6	0	0	100	95-100	71-90	37-54	0-28	NP-12
	45-51	Loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	75-92	53-69	22-35	7-17
	51-58	Stratified sandy loam to silt loam	CL	A-6	0	0	100	95-100	87-100	80-93	28-36	12-18
	58-66	Stratified sand to loam	SM	A-2-4	0	0	100	95-100	89-97	17-21	0-16	NP-2
130:												
Cerini	0-10	Loam, sandy loam	SC, SC-SM	A-2-4, A-4, A-6	0	0	100	100	73-81	35-43	23-31	6-12
	10-17	Clay loam, loam	CL	A-6, A-7-6	0	0	100	100	87-100	64-84	31-50	13-28
	17-24	Clay loam, loam	CL	A-6, A-7-6	0	0	100	100	88-100	64-84	30-50	13-28
	24-47	Stratified fine sandy loam to silty clay loam	CL, CL-ML	A-4, A-7-6	0	0	100	100	82-100	57-87	21-50	6-28
	47-69	Stratified sandy loam to sandy clay loam	CL, CL-ML	A-4, A-6	0	0	100	100	83-93	58-68	20-32	4-12

Engineering Properties

Kern County, California, Southwest Part

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				*Pct*	*Pct*					*Pct*	
133:												
Calflax	0-6	Loam	CL	A-4, A-6, A-7-6	0	0	100	100	85-94	61-70	28-41	10-17
	6-21	Stratified clay loam to silty clay loam	CH, CL	A-6, A-7-6	0	0	100	100	86-99	66-79	37-51	19-29
	21-30	Stratified clay loam to silty clay loam	CH, CL	A-6, A-7-6	0	0	100	100	88-100	69-82	37-51	19-29
	30-37	Stratified clay loam to silty clay loam	CH, CL	A-6, A-7-6	0	0	100	100	90-100	70-83	38-51	19-29
	37-46	Sandy loam	SC, SC-SM	A-4, A-6	0	0	100	100	74-82	36-44	20-29	6-12
	46-52	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	83-98	58-73	20-35	6-17
	52-60	Loam	CL, CL-ML	A-4, A-6	0	0	97-100	91-100	80-98	57-73	20-35	6-17
150:												
Excelsior	0-7	Sandy loam	CL, SC-SM, SM	A-4, A-6	0	0	100	100	69-82	39-52	17-30	2-12
	7-23	Fine sandy loam, loamy sand, sandy loam	CL, SC-SM, SM	A-4, A-6	0	0	100	100	69-82	39-52	17-30	2-12
	23-72	Loamy sand, loamy sand, silt loam, sandy loam, stratified fine sand to silt loam	CL, CL-ML, SM	A-4, A-6	0	0	100	100	73-86	45-58	16-29	2-12

Engineering Properties

Kern County, California, Southwest Part

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				*Pct*	*Pct*					*Pct*	
151:												
Excelsior, saline-sodic	0-8	Fine sandy loam, loam, sandy loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	81-94	50-63	18-31	2-12
	8-19	Fine sandy loam, loam, sandy loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	82-95	53-66	17-30	2-12
	19-25	Fine sandy loam, sandy loam	CL, CL-ML, SM	A-4, A-6	0	0	100	100	74-87	46-59	17-30	2-12
	25-36	Stratified fine sandy loam to silt loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	81-94	51-64	17-30	2-12
	36-41	Fine sandy loam	SC, SC-SM	A-4, A-6	0	0	100	100	91-97	38-44	24-33	7-12
	41-48	Stratified loamy fine sand to silt loam	CL-ML, ML	A-4	0	0	100	100	95-100	54-59	0-21	1-4
	48-62	Stratified loamy fine sand to silt loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	81-94	52-65	17-30	2-12
180:												
Garces	0-7	Loam, sandy loam	CL	A-4, A-6, A-7-6	0	0	100	100	80-92	58-70	28-41	10-19
	7-14	Clay loam	CH, CL	A-6, A-7-6	0	0	100	100	89-100	70-82	38-51	19-29
	14-24	Clay loam, loam, sandy clay loam	CH, CL	A-4, A-7-6	0	0	100	100	73-98	53-78	27-51	10-29
	24-37	Clay loam, loam, sandy clay loam	CL	A-4, A-7-6	0	0	100	100	87-100	62-87	25-48	9-28
	37-55	Fine sandy loam, loam, sandy loam	SC, SC-SM	A-4, A-6	0	0	100	100	89-99	36-46	21-31	6-13
	55-64	Fine sandy loam, loam, sandy loam	SC, SC-SM	A-4, A-6	0	0	100	100	91-100	37-47	21-31	6-13

Engineering Properties

Kern County, California, Southwest Part

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				*Pct*	*Pct*					*Pct*	
251:												
Oldriver, partially drained, sodic	0-11	Loam	CL, ML	A-6, A-7-6	0	0	100	91-100	76-92	56-70	31-47	12-19
	11-16	Stratified fine sandy loam to silt loam	CH, SC-SM, SM	A-2-4, A-4, A-7-6	0	0	100	91-100	79-100	30-77	19-59	3-36
	16-22	Stratified fine sandy loam to silt loam	CH, SC, SM	A-2-4, A-6, A-7-6	0	0	100	91-100	75-100	27-74	18-58	3-36
	22-30	Clay	CH, CL, ML	A-4, A-6, A-7-6	0	0	100	91-100	54-100	37-85	19-59	3-36
	30-39	Stratified fine sandy loam to silty clay	CH, SC, SM	A-2-4, A-4, A-7-6	0	0	100	91-100	77-100	29-76	18-57	3-36
	39-49	Stratified fine sandy loam to silty clay	CH, SC-SM, SM	A-2-4, A-4, A-7-6	0	0	100	91-100	81-100	35-83	18-57	3-36
	49-63	Silty clay	CH, SM	A-4, A-7-6	0	0	100	91-100	52-100	49-98	20-60	3-37

Engineering Properties

Kern County, California, Southwest Part

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percent passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				*Pct*	*Pct*					*Pct*	
310:												
Vineland, drained	0-6	Loamy sand	SM	A-2-4	0	0	100	100	77-81	28-32	0-20	NP-3
	6-14	Loamy sand, sand	SM	A-2-4	0	0	100	100	77-81	27-31	0-20	NP-3
	14-22	Stratified coarse sand to fine sandy loam	SM, SP-SM	A-1-b	0	0	100	100	46-50	12-16	0-20	NP-3
	22-26	Stratified coarse sand to fine sandy loam	SM	A-2-4	0	0	100	100	77-81	28-32	0-20	NP-3
	26-38	Stratified sand to loam	SC-SM, SP-SM	A-2-4, A-3	0	0	100	100	75-83	7-15	0-23	NP-6
	38-43	Stratified sand to loam	SC, SM	A-2-4, A-4, A-6	0	0	100	100	69-82	31-44	17-30	2-12
	43-54	Stratified sand to loam	SC-SM, SP-SM	A-2-4, A-3	0	0	100	100	76-83	8-15	0-23	NP-6
	54-58	Stratified sand to loam	CL, ML	A-4, A-6	0	0	100	100	76-89	52-65	16-31	2-12
	58-64	Stratified sand to loam	SC, SM	A-2-4, A-4	0	0	100	100	78-90	28-40	0-27	NP-10

Chemical Soil Properties

Kern County, California, Southwest Part

[Absence of an entry indicates that data were not estimated. This report shows only the major soils in each map unit]

Map symbol and soil name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	*meq/100 g*	*meq/100 g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
102:								
Bakersfield, partially drained	0-3	4.8-16	---	6.1 - 6.5	0-2	0	1.0-5.0	5-15
	3-10	4.8-16	---	6.1 - 6.5	0-2	0	1.0-5.0	5-15
	10-16	4.6-16	---	6.6 - 7.8	0-2	0	1.0-8.0	30-80
	16-29	2.9-15	---	7.9 - 8.4	0-3	0	3.0-8.0	30-80
	29-45	2.7-15	---	7.9 - 8.4	0-3	0	5.0-10.0	30-80
	45-51	9.9-20	---	7.9 - 8.4	0-3	0	5.0-10.0	30-80
	51-58	14-22	---	7.9 - 8.4	0-3	0	8.0-10.0	30-80
	58-66	1.8-6.8	---	7.9 - 8.4	0-3	0	8.0-10.0	30-80
130:								
Cerini	0-10	8.8-15	---	7.4 - 8.4	0-4	0	0.5-3.0	1-5
	10-17	16-31	---	7.4 - 8.4	0-4	0	0.5-3.0	1-5
	17-24	16-31	---	7.4 - 8.4	1-4	0	0.5-3.0	2-5
	24-47	6.6-31	---	7.4 - 8.4	1-4	0	0.5-3.0	2-5
	47-69	6.6-31	---	7.4 - 8.4	1-4	0	0.5-3.0	2-5
133:								
Calflax	0-6	13-20	---	7.9 - 9.0	1-5	0-2	2.0-8.0	2-15
	6-21	21-31	---	7.9 - 9.0	1-5	0-2	2.0-8.0	2-15
	21-30	21-31	---	7.9 - 9.0	1-5	0-2	2.0-8.0	2-15
	30-37	21-31	---	7.9 - 9.0	1-5	0-2	2.0-8.0	2-15
	37-46	8.1-15	---	7.9 - 9.0	1-5	0-2	4.0-16.0	13-30
	46-52	8.1-20	---	7.9 - 9.0	0-5	0-2	4.0-16.0	13-30
	52-60	8.1-19	---	7.9 - 9.0	0-5	0-2	4.0-16.0	13-30
150:								
Excelsior	0-7	4.6-15	---	7.4 - 8.4	1-2	0	0.0-4.0	0-10
	7-23	4.5-15	---	7.4 - 8.4	1-2	0	0.0-4.0	0-10
	23-72	4.3-15	---	7.9 - 8.4	1-3	0-1	0.0-4.0	0-10
151:								
Excelsior, saline-sodic	0-8	4.6-15	---	7.4 - 9.0	1-4	0	1.0-8.0	1-10
	8-19	4.5-15	---	7.4 - 9.0	1-4	0	1.0-8.0	1-10
	19-25	4.3-15	---	7.4 - 9.0	1-4	0	1.0-8.0	1-10
	25-36	4.3-15	---	7.4 - 9.0	1-4	0	1.0-8.0	1-10
	36-41	9.8-15	---	7.4 - 9.0	1-4	0	2.0-8.0	1-10
	41-48	2.7-6.9	---	7.4 - 9.0	1-4	0	4.0-16.0	5-20
	48-62	4.3-15	---	7.4 - 9.0	1-4	0	4.0-16.0	5-20
180:								
Garces	0-7	13-22	---	7.9 - 9.0	1-4	0	2.0-8.0	1-25
	7-14	22-31	---	7.9 - 9.6	1-4	0	2.0-8.0	1-25
	14-24	12-31	---	7.9 - 9.6	1-4	0	8.0-16.0	15-50
	24-37	12-30	---	7.9 - 9.6	1-4	0	8.0-16.0	15-50
	37-55	8.1-16	---	7.9 - 9.6	1-4	0	8.0-16.0	13-50
	55-64	7.9-16	---	7.9 - 9.6	1-4	0	4.0-16.0	13-50

Chemical Soil Properties

Kern County, California, Southwest Part

Map symbol and soil name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbon-ate	Gypsum	Salinity	Sodium adsorption ratio
	In	*meq/100 g*	*meq/100 g*	*pH*	*Pct*	*Pct*	*mmhos/cm*	
251:								
Oldriver, partially drained, sodic	0-11	15-23	---	7.4 - 8.4	0-4	0-3	2.0-8.0	2-15
	11-16	5.5-39	---	7.9 - 9.0	0-4	0-3	2.0-8.0	5-15
	16-22	5.5-38	---	7.9 - 9.0	0-4	0-5	2.0-15.0	10-20
	22-30	5.4-37	---	7.9 - 9.0	0-4	0-5	2.0-15.0	10-25
	30-39	5.3-37	---	7.9 - 9.0	0-4	0-5	2.0-15.0	10-25
	39-49	5.1-36	---	7.9 - 9.0	0-4	0-5	2.0-15.0	10-30
	49-63	5.0-36	---	7.9 - 9.0	0-4	0-5	2.0-10.0	5-20
310:								
Vineland, drained	0-6	1.8-4.9	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	6-14	1.7-4.8	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	14-22	1.6-4.7	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	22-26	1.6-4.7	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	26-38	1.7-7.4	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	38-43	3.9-13	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	43-54	2.3-7.4	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	54-58	3.6-13	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5
	58-64	2.3-11	---	6.6 - 8.4	0-2	0	0.2-0.7	1-5

Map Unit Description (Brief, Generated)

Kern County, California, Southwest Part

[Minor map unit components are excluded from this report]

Map unit: 102 - Bakersfield sandy loam, partially drained, 0 to 1 percent slopes

Component: Bakersfield, partially drained (85%)

The Bakersfield, partially drained component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains, valleys. The parent material consists of alluvium derived from granitoid rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. A seasonal zo of water saturation is at 60 inches during March, April, May, June, July, August. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7s. Irrigated land capability classification is 3s. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 2 percent. The soil has a slightly saline horizon within 30 inches of the soil surface. The soil ha a maximum sodium adsorption ratio of 65 within 30 inches of the soil surface.

Map unit: 130 - Cerini sandy loam, 0 to 2 percent slopes

Component: Cerini (85%)

The Cerini component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans, valleys. The parent material consists of alluvium derived from granitoid and/or sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of wate saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption rat of 3 within 30 inches of the soil surface.

Map unit: 133 - Calflax loam, 0 to 1 percent slopes

Component: Calflax (85%)

The Calflax component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on f skirts, valleys. The parent material consists of alluvium derived from mixed mineralogoy rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7s. Irrigated land capability classification is 3s. This soil does not me hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. The soil has a very slightly saline horizon within 30 inches of the soil surface. The soil has a maximum sodium adsorptior ratio of 8 within 30 inches of the soil surface.

Map Unit Description (Brief, Generated)

Kern County, California, Southwest Part

Map unit: 150 - Excelsior sandy loam, 0 to 2 percent slopes, MLRA 17

Component: Excelsior (85%)

The Excelsior component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is or alluvial fans on valleys. The parent material consists of calcareous coarse-loamy alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is very rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7c. Irrigated land capability classification is 1 This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does no exceed 2 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 5 within 30 inches of the soil surface.

Map unit: 151 - Excelsior fine sandy loam, saline-sodic, 0 to 1 percent slopes

Component: Excelsior, saline-sodic (85%)

The Excelsior, saline-sodic component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on fan skirts, valleys. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of wate saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 2s. This soil does not me hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 4 percent. The soil has a very slightly saline horizon within 30 inches of the soil surface. The soil has a maximum sodium adsorptior ratio of 3 within 30 inches of the soil surface.

Map unit: 180 - Garces loam, 0 to 1 percent slopes

Component: Garces (85%)

The Garces component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on valleys, non-buried fan remnants. The parent material consists of alluvium derived from granitoid. Depth to a roo restrictive layer, natric, is 7 to 20 inches. The natural drainage class is well drained. Water movement in the mos restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7s. Irrigated land capability classification is 3s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. The soil has a moderately saline horizon within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio o 30 within 30 inches of the soil surface.

Map Unit Description (Brief, Generated)

Kern County, California, Southwest Part

Map unit: 251 - Oldriver loam, partially drained, sodic, 0 to 1 percent slopes

Component: Oldriver, partially drained, sodic (85%)

The Oldriver, partially drained, sodic component makes up 85 percent of the map unit. Slopes are 0 to 1 percen This component is on flood plains, valleys. The parent material consists of alluvium derived from granitoid rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 7w. Irrigated land capability classification is 2w. This soil meets hydri criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. The soil has a slightly saline horizon within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 18 within 30 inches of the soil surface.

Map unit: 310 - Vineland loamy sand, drained, 0 to 1 percent slopes

Component: Vineland, drained (85%)

The Vineland, drained component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on valleys, flood plains. The parent material consists of alluvium derived from granitoid rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zon of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent Nonirrigated land capability classification is 7e. Irrigated land capability classification is 3s. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 3 within 30 inches of the soil surface.

Wind Erosion Prediction System Related Attributes

Kern County, California, Southwest Part

[Absence of an entry indicates that data were not estimated. This report shows only the major soils in each map unit]

Map symbol and soil name			Pct. of map unit	Slope			T Factor		Taxonomic Order				Albedo Dry			Restriction and Depth to Top							
Hz	Thick-ness	Texture	Sand	Silt	Clay	Frag-ments	VC OS	CO S	M S	F S	VF S	OM	pH H2O	pH CaCl2	Ks	CEC-7	ECEC	CaCO3	LEP	0.1 bar H2O	0.33 bar H2O	15 bar H2O	Db 0.33 bar	Db oven dry
	cm		< ---------- *Pct* ---------- >												*um/s*	< -- *meq/100 g* -- >		< ---------- *Pct* ---------- >				< -- *g/cm3* -- >	
102:																								
Bakersfield, partially drained			85%		0.5			4		Mollisols				0.09				no restriction within 200 cm						
Ap1	8	SL	68.0	16.0	16.0	2	0.1	3.2	15.4	32.6	16.7	2.00	6.2	---	9.00	13.9	---	1	2.0	---	22.5	13.8	1.55	1.65
Ap2	17	FSL	68.0	16.0	16.0	2	0.1	3.2	15.4	32.6	16.7	1.50	6.2	---	9.00	13.8	---	1	2.0	---	21.9	13.1	1.55	1.65
A	16	FSL	67.7	14.3	18.0	2	0.0	2.4	14.6	33.9	16.8	1.50	7.0	---	9.00	15.3	---	1	2.2	---	22.9	14.4	1.55	1.66
C1	33	SR- S L	68.3	19.7	12.0	2	4.5	14.6	18.1	20.3	10.8	0.50	8.0	---	28.00	10.2	---	2	1.5	---	23.6	8.0	1.55	1.62
C2	40	SR- S L	65.0	29.0	6.0	2	5.6	12.7	15.4	19.3	12.0	0.25	8.0	---	9.00	5.3	---	2	0.9	---	18.5	4.0	1.55	1.59
Ck	16	L	41.1	36.9	22.0	2	3.9	5.4	7.2	12.8	11.8	0.50	8.0	---	28.00	17.6	---	2	3.4	---	28.4	13.6	1.50	1.66
C'1	17	SR- SL SIL	13.0	63.0	24.0	2	1.0	1.4	1.3	4.0	5.3	0.50	8.0	---	9.00	19.0	---	2	3.9	---	23.7	15.5	1.50	1.69
C'2	21	SR- S L	88.0	9.0	3.0	2	0.0	1.2	16.6	57.3	12.9	0.10	8.0	---	211.00	2.7	---	2	0.4	12.5	8.3	2.3	1.65	1.67
130:																								
Cerini			85%		1.0			5		Aridisols				0.30				no restriction within 200 cm						
Ap	25	SL	66.8	19.2	14.0	0	4.4	14.3	17.7	19.8	10.6	0.90	8.1	---	9.00	12.0	---	3	2.0	---	19.7	10.1	1.50	1.59
Bw1	18	L	39.5	37.5	23.0	0	3.5	5.0	6.9	12.4	11.7	0.70	8.2	---	9.00	18.6	---	3	2.0	---	29.6	14.8	1.50	1.59
Bw2	18	L	41.6	37.4	21.0	0	3.9	5.4	7.3	13.0	12.0	0.80	8.3	---	9.00	17.2	---	3	2.0	---	28.8	13.7	1.50	1.59
C1	58	SR- FSL SICL	43.8	40.2	16.0	0	4.3	5.9	7.8	13.5	12.3	0.60	7.9	---	9.00	13.3	---	3	2.0	---	26.5	10.8	1.55	1.64
C2	56	SR- SL SCL	45.0	43.0	12.0	0	4.5	6.1	8.0	13.8	12.6	0.80	7.9	---	28.00	10.4	---	3	4.0	---	24.5	8.6	1.55	1.74

Wind Erosion Prediction System Related Attributes

Kern County, California, Southwest Part

Map symbol and soil name			Pct. of map unit				Slope		T Factor			Taxonomic Order			Albedo Dry			Restriction and Depth to Top						
Hz	Thick-ness	Texture	Sand	Silt	Clay	Frag-ments	VC OS	CO S	M S	F S	VF S	OM	pH H2O	pH CaCl2	Ks	CEC-7	ECEC	CaCO3	LEP	0.1 bar H2O	0.33 bar H2O	15 bar H2O	Db 0.33 bar	Db oven dry
cm			*< ---------- Pct ---------- >*												*um/s*	*< -- meq/100 g -- >*		*< ---------- Pct ---------- >*				*< -- g/cm3 -- >*	
133:																								
Calflax			85%				0.5		5			Aridisols			0.23			no restriction within 200 cm						
Ap	15	L	42.1	37.9	20.0	---	4.0	5.5	7.4	13.1	12.1	0.80	8.3	---	9.00	16.4	---	3	5.0	---	28.0	12.7	1.45	1.68
Bw	38	SR- CL SICL	34.8	33.2	32.0	---	3.0	4.3	6.0	11.0	10.5	0.50	8.8	---	2.70	24.7	---	3	5.0	---	33.0	20.1	1.45	1.68
C1	23	SR- CL SICL	33.5	36.5	30.0	---	3.0	4.2	5.8	10.5	10.0	0.50	8.2	---	2.70	23.3	---	3	5.0	---	32.1	18.7	1.50	1.74
C2	18	SR- CL SICL	34.4	37.6	28.0	---	3.1	4.3	5.9	10.8	10.3	0.75	8.1	---	2.70	22.2	---	3	5.0	---	32.1	18.6	1.50	1.74
C3	23	SL	68.3	19.7	12.0	---	4.5	14.6	18.1	20.3	10.8	0.30	8.3	---	28.00	10.0	---	3	1.0	---	18.0	8.3	1.55	1.60
C4	15	L	44.3	40.7	15.0	---	4.3	5.9	7.9	13.7	12.5	0.30	8.1	---	9.00	12.2	---	3	1.0	---	25.2	9.4	1.50	1.55
C5	20	L	44.3	40.7	15.0	5	4.3	5.9	7.9	13.7	12.5	0.20	7.9	---	9.00	12.0	---	3	1.0	---	23.8	8.8	1.50	1.55
151:																								
Excelsior, saline-sodic			85%				1.0		5			Entisols			0.30			no restriction within 200 cm						
Ap1	20	FSL	55.0	34.7	10.3	---	1.6	7.7	12.9	19.4	13.4	0.75	8.3	---	28.00	9.0	---	3	2.0	---	18.1	8.3	1.56	1.66
Ap2	28	FSL	55.0	34.7	10.3	---	1.6	7.7	12.9	19.4	13.4	0.50	8.5	---	28.00	8.9	---	4	2.0	---	17.7	8.0	1.56	1.66
C1	16	SL	55.5	35.4	9.1	---	6.4	12.7	12.3	14.4	9.7	0.20	8.3	---	28.00	7.7	---	3	2.0	---	16.0	6.4	1.59	1.69
C2	27	SR- FSL SIL	55.0	34.2	10.8	---	1.6	7.7	12.9	19.4	13.4	0.30	8.1	---	28.00	9.1	---	3	2.0	---	18.5	8.8	1.71	1.81
C3	13	FSL	69.6	16.4	14.0	---	0.1	3.2	15.8	33.4	17.1	1.00	8.0	---	9.00	12.0	---	3	4.0	---	18.7	9.0	1.24	1.39
C4	18	SR- LFS SIL	75.0	20.6	4.4	---	0.0	1.8	12.2	37.2	23.8	0.20	8.2	---	92.00	4.0	---	3	2.0	17.3	11.4	3.0	1.38	1.46
C5	36	SR- LFS SIL	51.6	39.1	9.3	---	5.2	7.0	9.2	15.8	14.4	0.30	8.1	---	9.00	7.9	---	3	2.0	---	20.2	5.0	1.27	1.35

Wind Erosion Prediction System Related Attributes

Kern County, California, Southwest Part

Map symbol and soil name			Pct. of map unit		Slope		T Factor		Taxonomic Order				Albedo Dry			Restriction and Depth to Top							
Hz	Thick-ness	Texture	Sand	Silt	Clay	Frag-ments	VC OS	CO S	M S	F S	VF S	OM	pH H2O	pH CaCl2	Ks	CEC-7	ECEC	CaCO3	LEP	0.1 bar H2O	0.33 bar H2O	15 bar H2O	Db 0.33 bar	Db oven dry
	cm		< ---------- *Pct* ---------- >												*um/s*	< -- *meq/100 g* -- >		< ---------- *Pct* ---------- >				< -- *g/cm3* -- >	
180:																								
Garces			85%		0.5		2		Aridisols				0.37			natric at 18 to 51cm								
Ap	18	L	38.5	36.5	25.0	---	3.4	4.9	6.7	12.1	11.4	1.00	8.4	---	9.00	20.3	---	3	5.0	---	30.7	16.4	1.50	1.74
BA	18	CL	33.5	36.5	30.0	---	3.0	4.2	5.8	10.5	10.0	0.75	9.0	---	2.70	23.6	---	3	5.0	---	32.5	19.2	1.45	1.68
Btkn	25	CL	34.4	32.6	33.0	---	3.0	4.3	5.9	10.9	10.3	0.50	9.4	---	2.70	25.4	---	3	5.0	---	33.3	20.7	1.45	1.68
2Btkn	33	L	43.8	40.2	16.0	---	4.3	5.9	7.8	13.5	12.3	0.30	9.4	---	9.00	12.9	---	3	2.0	---	25.8	10.0	1.50	1.59
2Ckn	46	FSL	69.6	16.4	14.0	---	0.1	3.2	15.8	33.4	17.1	0.20	8.8	---	9.00	11.3	---	3	2.0	---	19.7	10.1	1.55	1.64
2Cn	23	FSL	71.3	16.7	12.0	---	0.1	3.3	16.2	34.2	17.5	0.10	8.9	---	28.00	9.6	---	3	2.0	---	18.2	8.5	1.55	1.64
251:																								
Oldriver, partially drained, sodic			85%		0.5		4		Mollisols				0.23			no restriction within 200 cm								
Ap	28	L	38.5	36.5	25.0	2	3.4	4.9	6.7	12.1	11.4	2.50	7.8	---	9.00	21.0	---	3	5.0	---	31.4	18.1	1.50	1.74
C1	13	SR- FSL SIL	71.3	16.7	12.0	2	0.1	3.3	16.2	34.2	17.5	0.75	8.2	---	28.00	10.4	---	3	2.0	---	18.5	9.0	1.50	1.59
C2	15	SR- FSL SIL	67.7	14.3	18.0	2	0.0	2.4	14.6	33.9	16.8	1.00	8.2	---	9.00	15.1	---	3	2.0	---	23.7	12.0	1.50	1.59
C3	20	C	30.0	30.0	40.0	2	2.8	3.1	5.7	10.1	8.3	0.40	8.6	---	9.00	29.9	---	3	5.0	---	30.4	22.1	1.50	1.74
C4	23	SR- FSL SIC	68.8	16.2	15.0	2	0.1	3.2	15.6	33.0	16.9	0.50	8.2	---	9.00	12.5	---	3	2.0	---	21.6	9.5	1.50	1.59
C5	25	SR- FSL SIC	70.1	21.9	8.0	2	0.3	4.9	15.6	30.5	18.8	0.20	8.2	---	28.00	6.8	---	3	2.0	---	16.6	5.0	1.50	1.59
C6	36	SIC	5.4	46.6	48.0	2	0.2	0.3	0.6	1.7	2.6	0.10	8.0	---	0.09	33.4	---	3	8.0	---	32.5	26.1	1.50	1.90

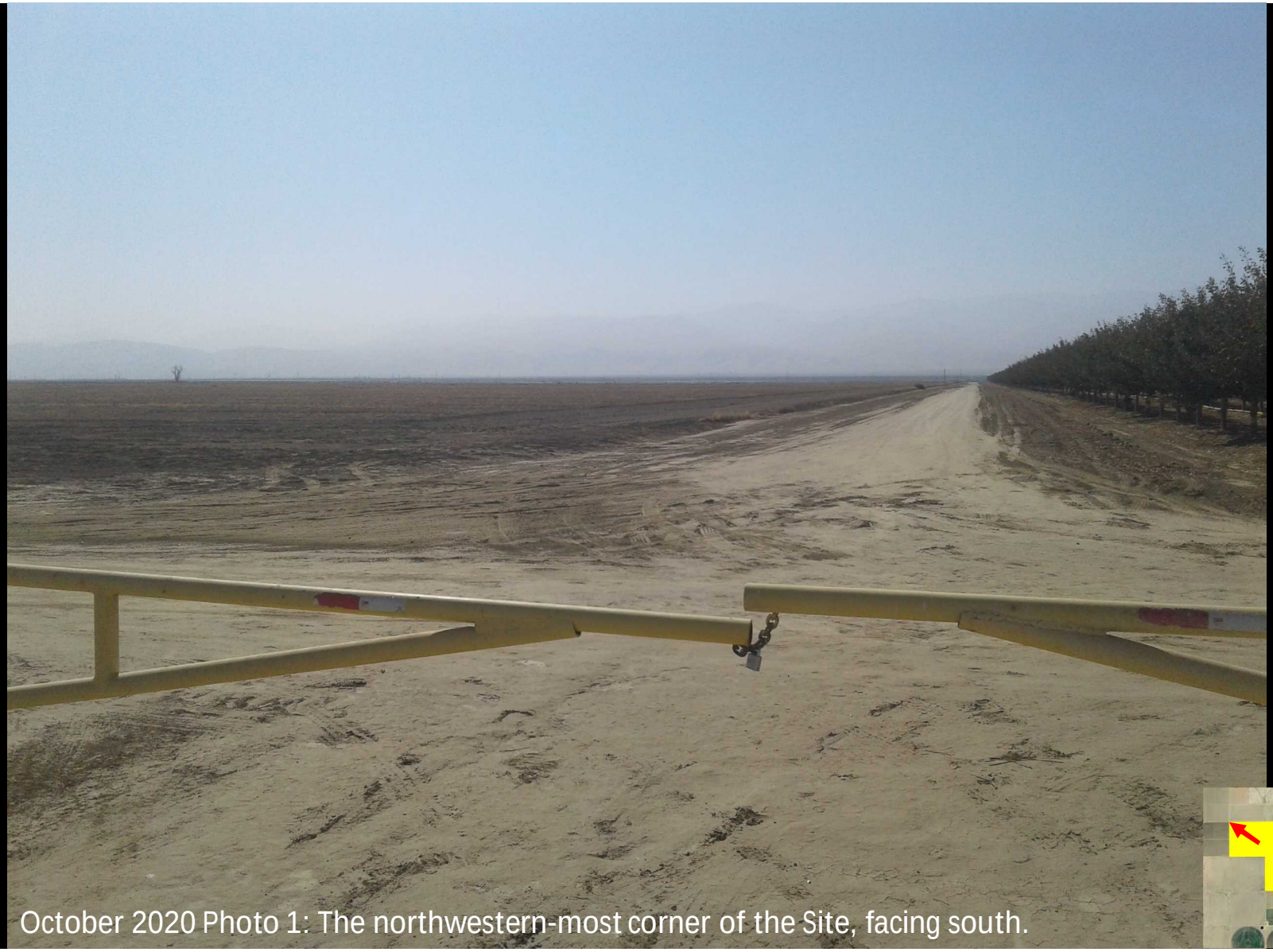
Wind Erosion Prediction System Related Attributes

Kern County, California, Southwest Part

Map symbol and soil name			Pct. of map unit	Slope			T Factor		Taxonomic Order				Albedo Dry			Restriction and Depth to Top							
Hz	Thick-ness	Texture	Sand	Silt	Clay	Frag-ments	VC OS	CO S	M S	F S	VF S	OM	pH H2O	pH CaCl2	Ks	CEC-7	ECEC	CaCO3	LEP	0.1 bar H2O	0.33 bar H2O	15 bar H2O	Db 0.33 bar	Db oven dry
	cm		< ---------- *Pct* ---------- >												*um/s*	< -- *meq/100 g* -- >		< ---------- *Pct* ---------- >				< -- *g/cm3* -- >	
310:																								
Vineland, drained			85%		0.5		5		Entisols				0.23					no restriction within 200 cm						
Ap	15	LS	80.2	16.8	3.0	---	3.7	12.8	20.9	27.4	15.4	0.60	7.5	---	91.50	2.6	---	0	2.0	17.6	11.7	3.2	1.65	1.75
A	21	LS	79.2	16.8	4.0	---	3.4	12.6	20.7	27.2	15.3	0.40	7.0	---	91.50	3.3	---	0	2.0	18.2	12.4	3.6	1.65	1.75
C1	20	SR-COS FSL	90.6	6.4	3.0	---	17.8	30.0	22.0	15.3	5.5	0.20	6.9	---	212.00	2.4	---	0	2.0	12.7	8.4	2.3	1.65	1.75
C2	10	SR-COS FSL	80.2	16.8	3.0	---	3.7	12.8	20.9	27.4	15.4	0.20	7.0	---	91.50	2.4	---	0	2.0	16.5	10.6	2.6	1.65	1.75
C3	31	SR- S L	94.6	1.4	4.0	---	0.7	12.9	36.6	37.3	7.1	0.30	7.4	---	212.00	3.2	---	0	2.0	14.0	10.0	3.4	1.65	1.75
C4	12	SR- S L	67.4	19.6	13.0	---	4.4	14.4	17.9	20.0	10.7	0.50	7.3	---	9.00	9.3	---	0	2.0	---	18.9	9.2	1.55	1.64
C5	28	SR- S L	94.6	1.4	4.0	---	0.7	12.9	36.6	37.3	7.1	0.20	7.6	---	212.00	3.1	---	0	2.0	13.8	9.8	3.2	1.65	1.75
C6	10	SR- S L	43.3	39.7	17.0	---	4.2	5.8	7.7	13.4	12.2	0.70	7.5	---	9.00	12.0	---	0	2.0	---	26.8	11.2	1.50	1.59
C7	16	SR- S L	79.2	16.8	4.0	---	3.4	12.6	20.7	27.2	15.3	0.20	7.6	---	91.50	3.1	---	0	2.0	17.7	11.9	3.3	1.65	1.75

APPENDIX C

OCTOBER 2020 SITE PHOTOGRAPHS



October 2020 Photo 1: The northwestern-most corner of the Site, facing south.

October 2020 Photo 2: The northwestern-most corner of the Site, facing southeast.

October 2020 Photo 3: The northwestern-most corner of the Site, facing southeast.

October 2020 Photo 4: The western-most corner of the Site, facing north.

October 2020 Photo 5: The western-most corner of the Site, facing east.

October 2020 Photo 6: The western-most corner of the Site, facing north. Large-diameter

October 2020 Photo 7: The western area of the Site, facing west. Many large piles of rotting onions.

October 2020 Photo 8: The western area of the Site, facing north. Many large piles of rotting onions.

October 2020 Photo 9: The western area of the Site, facing northeast. No onions in this parcel.

October 2020 Photo 10: The western area of the Site, facing east. No onions in this parcel.

October 2020 Photo 11: The western area of the Site, facing south. No onions in this parcel.

October 2020 Photo 12: The western area of the Site, facing north.

October 2020 Photo 13: The western area of the Site, facing east. Heavy vegetation along road.

October 2020 Photo 14: The western area of the Site, facing northeast.

October 2020 Photo 15: View of bee boxes, facing east.

October 2020 Photo 16: View of bee boxes, facing south.

October 2020 Photo 17: View of bee boxes, facing southeast.

October 2020 Photo 18: View facing north toward canal.

October 2020 Photo 18: View facing southeast. Loose soil and heavy vegetation.

October 2020 Photo 20: View facing south. Loose soil and light to moderate vegetation.

October 2020 Photo 21: View of abandoned equipment, facing east towards canal.

October 2020 Photo 22: View facing north towards canal.

October 2020 Photo 23: View of abandoned equipment facing southeast towards canal.

October 2020 Photo 24: View of vegetated bank between the canal and field, facing northwest along theproposed gen-tie route.

October 2020 Photo 25: View of canal, facing southeast along the proposed gen-tie route. No erosion or deterioration along canal sides.

October 2020 Photo 26: View of canal, facing southeast along the proposed gen-tie route. No erosion or deterioration along canal sides.

October 2020 Photo 27: View of canal, facing northwest along the proposed gen-tie route. No erosion or deterioration along canal sides.

October 2020 Photo 28: View of canal, facing east along the proposed gen-tie route as it crosses the canal. No erosion or deterioration along canal sides.

October 2020 Photo 29: View of canal, facing northeast along the proposed gen-tie route as it crosses the canal. No erosion or deterioration along canal sides.

October 2020 Photo 30: View facing east of warning markers for an underground petroleum pipeline along the proposed gen-tie route.

October 2020 Photo 31: View facing north along gen-tie route.

October 2020 Photo 32: View facing north along gen-tie route.

October 2020 Photo 33: View facing west along gen-tie route.

October 2020 Photo 34: View facing south.

October 2020 Photo 35: View facing east along gen-tie route.

October 2020 Photo 36: View facing west along gen-tie route.

October 2020 Photo 37: View facing west along gen-tie route at the canal.

October 2020 Photo 38: View facing east along gen-tie route at the canal.

October 2020 Photo 39: View facing west along gen-tie route at the canal.

October 2020 Photo 40: View facing east along gen-tie route at the canal. No erosion along canal.

October 2020 Photo 41: View facing west along ge tie route. Heavy vegetation

October 2020 Photo 42: View facing east along gen-tie route. Heavy vegetation.

October 2020 Photo 43: View facing west along gen-tie route. Heavy vegetation.

October 2020 Photo 44: View facing east along gen-tie route. Heavy vegetation.

October 2020 Photo 45: View facing west of private property along gen-tie route.

October 2020 Photo 46: View facing east along gen-tie route.

October 2020 Photo 47: View facing west along gen-tie route.

October 2020 Photo 48: View facing east along gen-tie route.

October 2020 Photo 49: View facing west along gen-tie route.

October 2020 Photo 50: View facing south along gen-tie route.

October 2020 Photo 51: View facing north along gen-tie route.

October 2020 Photo 52: View facing east along gen-tie route.

October 2020 Photo 53: View facing west along gen-tie route.

October 2020 Photo 54: View facing north along gen-tie route.

October 2020 Photo 55: View facing south along gen-tie route.

October 2020 Photo 56: View facing east along gen-tie route.

October 2020 Photo 57: View facing west along gen-tie route.

October 2020 Photo 58: View facing east along gen-tie route as it crosses Highway 99.

October 2020 Photo 59: View facing west along gen-tie route as it crosses Highway 99.

October 2020 Photo 60: View facing east along gen-tie route.

October 2020 Photo 61: View facing west along gen-tie route.

October 2020 Photo 62: View facing east along gen-tie route.

October 2020 Photo 63: View of substation adjacent to gen-tie route.

October 2020 Photo 64: View facing west along gen-tie route.

October 2020 Photo 65: View facing south along gen-tie route.

October 2020 Photo 66: View facing north along gen-tie route.

October 2020 Photo 67: View facing east along gen-tie route.

October 2020 Photo 68: View facing northeast along gen-tie route.

October 2020 Photo 69: View facing west along gen-tie route.

October 2020 Photo 70: View facing south along gen-tie route.

October 2020 Photo 71: View facing north along gen-tie route.

October 2020 Photo 72: View facing west along gen-tie route.

October 2020 Photo 73: View facing east along gen-tie route at the substation.

Appendix L
Traffic Investigation

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RUETTGERS & SCHULER CIVIL ENGINEERS

1800 30th Street, Suite 260
Bakersfield, California 93301
Phone (661) 327-1969
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March 18, 2021

257-54
Electronic Mail & U.S. Mail

Ms. Jaymie L. Brauer
QK, Inc.
5080 California Avenue, Suite 220
Bakersfield, CA 93309

REF: Traffic Investigation for Proposed Sandrini Solar Park Project in Southern Kern County, CA

Dear Ms. Brauer:

The purpose of this letter is to evaluate potential traffic impacts resulting from the construction and operation of a solar energy and battery energy storage project (the Project) proposed by EDPR CA Solar Park, LLC in unincorporated Kern County. This investigation includes an evaluation of the proposed project trip generation for both construction and operation phases, a description of the proposed trip distribution for the anticipated construction traffic, an analysis of roadway and intersection capacities near the Project, as well as an investigation of the average trip length, or average vehicle miles traveled (VMT) for construction traffic accessing the Project.

The Sandrini Solar Park Project is a solar energy generation facility located in southern Kern County, California, approximately 20 miles south of State Route 58 (see Figure 1). There are six separate project sites which are generally bounded by Old River Road, State Route 99, and State Route 166.

The Project will produce up to 300 megawatts (MW). The Project includes inverters, solar generators, medium voltage (MV) transformers, two substations, two generation-tie (gen-tie) routes from the primary and secondary substations to the PG&E Wheeler Ridge Substation, and on-site O&M facility.

EXISTING, BUILD YEAR, & CUMULATIVE TRAFFIC

Existing AM and PM peak hour turning movement volumes were field measured at the study intersections in January 2020 (Study intersections were determined based on the on the metrics described in the "Intersection LOS" section of this letter):

1. Old River Road & Bear Mountain Boulevard (SR 223)
2. Wible Road & Bear Mountain Boulevard (SR 223)
3. Costajo Road & Bear Mountain Boulevard (SR 223)
4. SR 99 Northbound On/Off Ramp & Bear Mountain Boulevard (SR 223)
5. Old River Road & I-5 Northbound Ramps
6. Old River Road & I-5 Southbound Ramps
7. Wible Road & Millux Road
8. Old River Road & Copus Road
9. I-5 Southbound On/Off Ramp & Copus Road
10. I-5 Northbound On/Off Ramp & Copus Road
11. SR 99 Southbound On/Off Ramp & Copus Road
12. Mettler Frontage Road & Copus Road
13. Mettler Frontage Road & SR 99 Northbound On Ramp

Study intersections were determined based on the the guidelines in the Caltrans publication *Guide for the Preparation of Traffic Impact Studies,* discussed further in the Impact Analysis section of the report.

The existing volumes were projected out to the year 2024 using a 2% growth rate in order to analyze traffic for the build year scenario. The 2% growth rate was used as a conservative short term growth from the KernCOG model.

A list of cumulative (on going) projects in the vicinity of the Sandrini project site was provided by the Kern County Planning Department (see attachments). Based on the locations and types of projects provided in the cumulative list, resultant peak hour turning movement volumes were added to the 2024 volumes to account for these cumulative impacts. The 2024 cumulative traffic volumes are shown in Figure 5, attached.

PROJECT TRIP GENERATION AND DISTRIBUTION

Construction Phase

Traffic generated during the construction phase will include personnel vehicles and heavy trucks. These vehicles will access the project by way of Old River Road, Wible Road, and Copus Road. Analysis was conducted in order to capture the highest impact the project may have on the adjacent roadway system. For typical operations, it is anticipated that project traffic will use multiple access points. Trip generation estimates for construction traffic utilizing these roadways are presented in Table 1.

During the peak of construction operations, it is anticipated that an average of 50 workers will be on site daily. This assumption results in 100 daily personal vehicle trips (combined inbound and outbound). Should there be any workers that carpool, the number would be reduced and therefore reduce impacts.

Following the Highway Capacity Manual guidelines, heavy truck volumes were converted to passenger-car equivalent volumes using a factor of 1.7 trips per day to account for the effective reduction in free-flow speed (mean traffic speed under low-flow conditions) caused by the presence of heavy vehicles in the traffic flow. Heavy truck trips were estimated to be 50 per day based on assumptions regarding daily deliveries of materials, equipment, and water anticipated for construction. It was assumed that the trucks would enter the facility throughout the day, and therefore only a portion of the trucks are shown in the peak AM and PM hours.

Traffic accessing the project is anticipated to come mainly from surrounding population centers such as Bakersfield, Frazier Park, and Taft as well as from other nearby population centers. Project traffic, existing traffic, build year traffic, and build year plus project traffic are shown in Figures 2-5, respectively.

Table 1
Project Trip Generation – Construction Phase

			AM Peak Hour Trips		PM Peak Hour Trips	
Traffic Type	Variable	ADT	In Trips	Out Trips	In Trips	Out Trips
Personnel	50 (average per day)	100	100% 50	0% 0	0% 0	100% 50
Heavy Trucks	50	170[1]	100%	0%	0%	100%
	(per day)		14[2]	0	0	14[2]
	Total Trips	270	64	0	0	64

[1]Represents passenger-car equivalent for heavy truck traffic using a factor of 1.7

[2]Represents trips arriving during the Peak Hour only.

Operation & Maintenance Phase

Upon completion of the construction and testing phases, the proposed project would be operated by up to six full-time staff from the onsite O&M facility. O&M staff will visit various parts of the site for inspection, security, maintenance, and system monitoring purposes.

The Project will also wash all solar panels once every four years. This will include approximately six personnel and 5 water trucks to deliver the required water for the panel washing activities. The water truck trips will enter and exit the Project during peak hours, along with all full-time staff and cleaning crew personnel. The highest generator of trips during the operation and maintenance phase will be during the panel washing. Therefore, trip generation estimates for traffic accessing the project site during the panel washing phase are presented in Table 2.

Table 2
Project Trip Generation – Operation & Maintenance Phase

			AM Peak Hour Trips		PM Peak Hour Trips	
Traffic Type	Variable	ADT	In Trips	Out Trips	In Trips	Out Trips
Personnel	6 (per day)	12	100% 6	0% 0	0% 0	100% 6
Heavy Trucks	5	10	100%	0%	0%	100%
	(per day)		5	0	0	5
	Total Trips	22	11	0	0	11

IMPACT ANALYSIS - CONSTRUCTION PHASE

Intersection LOS

An analysis was done to determine the level of service of the intersections during the construction phase of the Project. The guidelines in the Caltrans publication *Guide for the Preparation of Traffic Impact Studies*, dated December 2002, states that a facility is required to be analyzed when a project will generate more than 50 peak hour trips at a facility operating at or below a LOS C. While the project does create more than 50 peak hour trips at some of the major intersections being studied, the scope also took into account the routes used to access the project, by personnel and heavy trucks, and the intersections where the project traffic had the highest volumes.

Also included in the level of service analysis is the cumulative traffic generated by other projects, as provided by Kern County, within a six-mile radius of the project. Based on a review of the project's location, and the surrounding roadway network, it was determined that project traffic generated by other projects further then six miles from the Sandrini Solar Park site would not have a significant impact on the study intersections and roadway segments.

As shown in Table 2, the operation and maintenance phase of the Project will generate considerably less traffic than the construction phase. Therefore, using the same criteria as the construction phase to determine the need to study roadway facilities, no further analysis is required for the operational phase of the Project.

Tables 3 and 4 show the results of the analysis for project related construction traffic.

Table 3
Intersection Level of Service
AM Peak Hour

#	Intersection	Control Type	2020	2024	2024+ Project
1	Old River Rd & Bear Mountain Blvd (SR 223)	AWSC	A	A	A
2	Wible Rd & Bear Mountain Blvd (SR 223)	NB SB	B A	B B	B B
3	Costajo Rd & Bear Mountain Blvd (SR 223)	SB	B	B	B
4	SR 99 NB On/Off Ramp & Bear Mountain Blvd (SR 223)	NB	C	C	C
5	Old River Rd & I-5 NB	WB	A	A	A
6	Old River Rd & I-5 SB	Signal	A	A	A
7	Wible Rd & Millux Rd/Wible Rd	WB	A	-	-
8	Old River Rd & Copus Rd	AWSC	A	A	A
9	I-5 SB Off-Ramp/I-5 SB On-Ramp & Copus Rd	SB	A	A	A
10	I-5 NB On-Ramp/I-5 NB Off-Ramp & Copus Rd	NB	A	A	A
11	SR 99 SB On/Off-Ramp/Mettler Frontage Rd W & Copus Rd	NB SB	A A	A A	A A
12	Mettler Frontage Rd & Copus Rd	NB	A	A	A
13	Mettler Frontage Rd & SR 99 NB On-Ramp	EB	A	A	A

Table 4
Intersection Level of Service
PM Peak Hour

#	Intersection	Control Type	2020	2024	2024+ Project
1	Old River Rd & Bear Mountain Blvd (SR 223)	AWSC	B	B	B
2	Wible Rd & Bear Mountain Blvd (SR 223)	NB SB	B B	B B	B B
3	Costajo Rd & Bear Mountain Blvd (SR 223)	SB	C	C	C
4	SR 99 NB On/Off Ramp & Bear Mountain Blvd (SR 223)	NB	C	C	C
5	Old River Rd & I-5 NB	WB	A	A	A
6	Old River Rd & I-5 SB	Signal	A	A	A
7	Wible Rd & Millux Rd/Wible Rd	WB	A	A	A
8	Old River Rd & Copus Rd	AWSC	A	A	A
9	I-5 SB Off-Ramp/I-5 SB On-Ramp & Copus Rd	SB	A	A	A
10	I-5 NB On-Ramp/I-5 NB Off-Ramp & Copus Rd	NB	A	A	A
11	SR 99 SB On/Off-Ramp/Mettler Frontage Rd W & Copus Rd	NB SB	A A	A A	A A
12	Mettler Frontage Rd & Copus Rd	NB	A	A	A
13	Mettler Frontage Rd & SR 99 NB On-Ramp	EB	A	A	A

As can be seen in the above Level of Service tables (LOS C threshold), all intersections currently operate at acceptable levels of service, and will continue to do so with the addition of Project construction traffic.

Roadway Capacity

Table 5 contains roadway Average Daily Traffic (ADT) and analysis results for roadway segments in the vicinity of the Project. A volume-to-capacity ratio (v/c) of greater than 0.80 corresponds to a LOS of less than C, as defined in the Highway Capacity Manual. The same guidelines used for intersection analysis from the Caltrans guidelines were used to determine the scope of roadways to analyze. The volumes and analysis shown in Table 5 include construction traffic only.

Table 5
Roadway ADT Volumes & Analysis

Street Segment	2020 ADT	Project ADT	2024 ADT	2024+ Project	Existing Capacity	v/c 2020	v/c 2024	v/c 2024+Proj
Bear Mountain Rd (SR 223): Old River Rd to Wible Rd	441	23	442	465	15000	0.03	0.03	0.03
Bear Mountain Rd (SR 223): Wible Rd to Costajo Rd	410	25	410	435	15000	0.03	0.03	0.03
Bear Mountain Rd (SR 223): Costajo Rd to SR 99 NB On/Off Ramps	633	25	637	662	15000	0.04	0.04	0.04
Copus Rd: Old River Rd to I-5 SB Ramps	3178	78	3445	3523	15000	0.21	0.23	0.23
Copus Rd: I-5 SB Ramps to I-5 NB Ramps	3115	55	3115	3170	15000	0.21	0.21	0.21
Copus Rd: I-5 NB Ramps to SR 99 SB Ramps	3388	58	3797	3855	15000	0.23	0.25	0.26
Copus Rd: SR 99 SB Ramps to Mettler Frontage Rd	3356	60	3620	3680	15000	0.22	0.24	0.25
Mettler Frontage Rd: David Rd to SR 99 Ramps	1350	68	1628	1696	15000	0.09	0.11	0.11
Old River Rd: Bear Mountain Blvd (SR 223) to I-5 NB Ramps	4699	18	5304	5322	15000	0.31	0.35	0.35
Old River Rd: I-5 NB Ramps to I-5 SB Ramps	4684	20	5221	5241	15000	0.31	0.35	0.35
Old River Rd: I-5 SB Ramps to Copus Rd	3526	20	3831	3851	15000	0.24	0.26	0.26
Wible Rd: Bear Mountain Rd (SR 223) to Herring Rd	110	23	115	138	15000	0.01	0.01	0.01

All roadway segments within the scope of the study operate with acceptable levels of service in the existing year, and will continue to do so with the addition of cumulative and Project construction traffic in the build year.

IMPACT ANALYSIS – OPERATIONAL & MAINTENANCE PHASE

In accordance with Caltrans guidelines, a traffic impact analysis of study intersections and roadway segments is not required during the operational and maintenance phase, as the project will generate fewer than 50 peak hour trips during this phase. Also, the roadway segments utilized by the project currently operate at an acceptable level of service, and are anticipated to continue to do so with the addition of construction traffic, which is much higher than the project traffic generated during the operational and maintenance phase.

VEHICLE MILES TRAVELED (VMT) EVALUATION

An evaluation of vehicles miles traveled (VMT) was conducted based on applicable California Environmental Quality Act (CEQA) Guidelines. The VMT evaluation included both project construction and project operation and maintenance.

Guidelines for assessing project VMT as part of a transportation impact analysis under CEQA are contained in the State of California, Office of Planning and Research's "Technical Advisory on Evaluating Transportation Impacts in CEQA," dated December 2018. This advisory includes methodology recommendations for analyzing project VMT, including the following regarding vehicle type (page 4).

> Vehicle Types. Proposed (CEQA Guideline) Section 15064.3, subdivision (a), states, "For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project." Here, the term "automobile" refers to on-road passenger vehicles, specifically cars and light trucks.

The Technical Advisory also contains screening thresholds for identifying whether a land use project should be expected to result in a less than significant transportation impact under CEQA. One such threshold pertains to project size. According to the Advisory, a project that generates fewer than 110 trips per day may be assumed not to cause a significant transportation impact.

As shown in Tables 1 and 2, the number of daily passenger vehicle trips generated during the non-peak period of project construction and the peak period of project operation and maintenance (100 and 12, respectively) satisfies the small project screening threshold. Therefore, the project is expected to have a less than significant transportation impact during these phases.

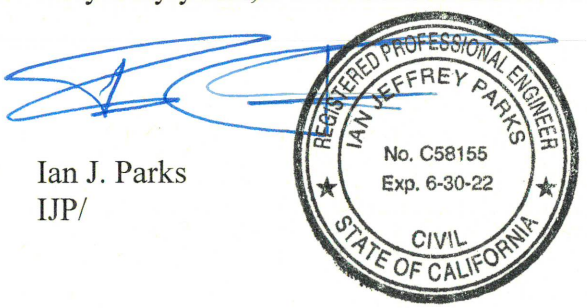
CONCLUSION

Upon review of the Project and corresponding analysis it is concluded that the Project will not create any significant impacts to any of the intersections or roadways anticipated to be used for the Project during the operational, construction and maintenance phases.

Similarly, project VMT will not result in a significant transportation impact under CEQA. The project satisfies the small project screening threshold of 110 trips per day during both construction and the peak period of operation and maintenance.

Please contact me should you have any questions.

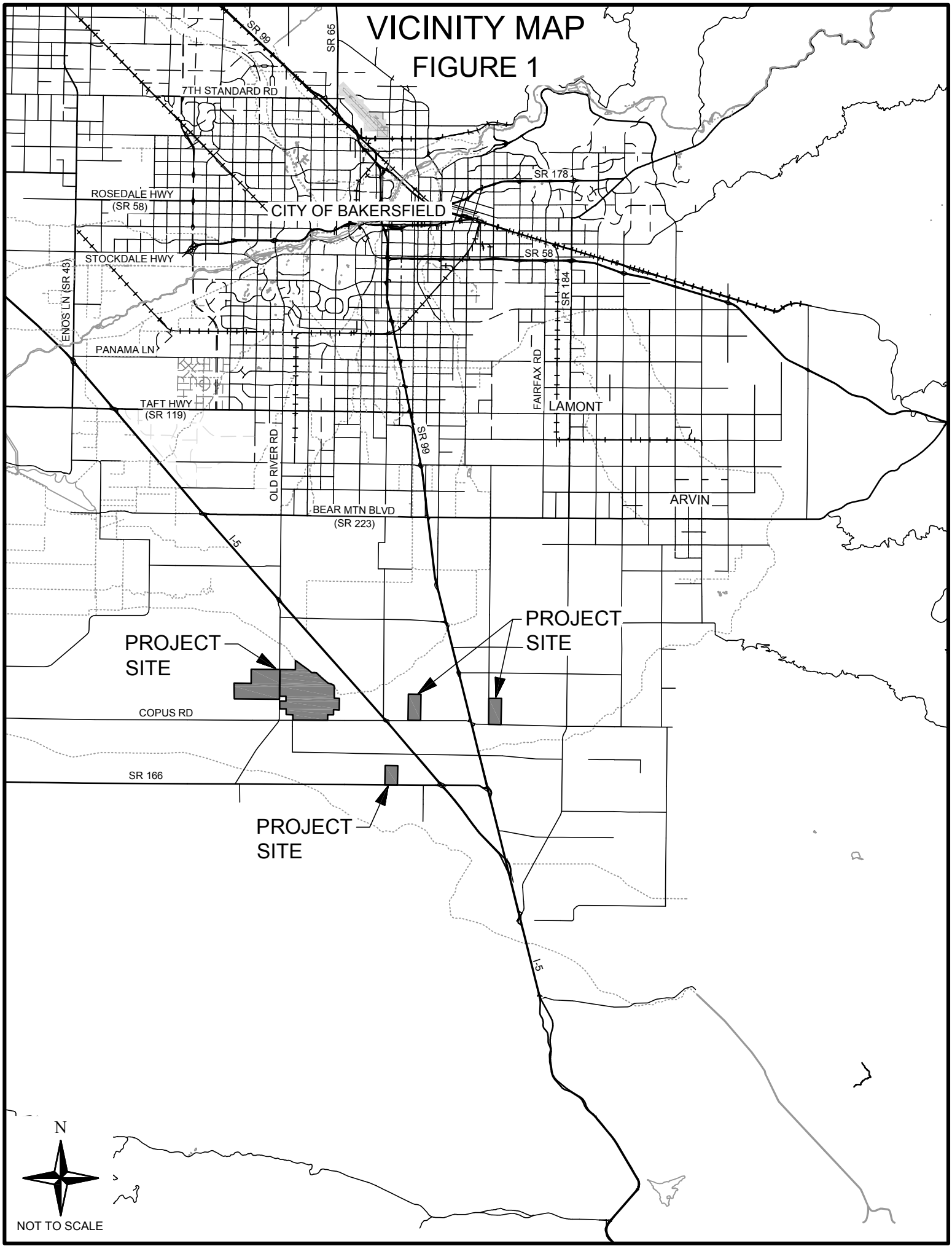
Very truly yours,



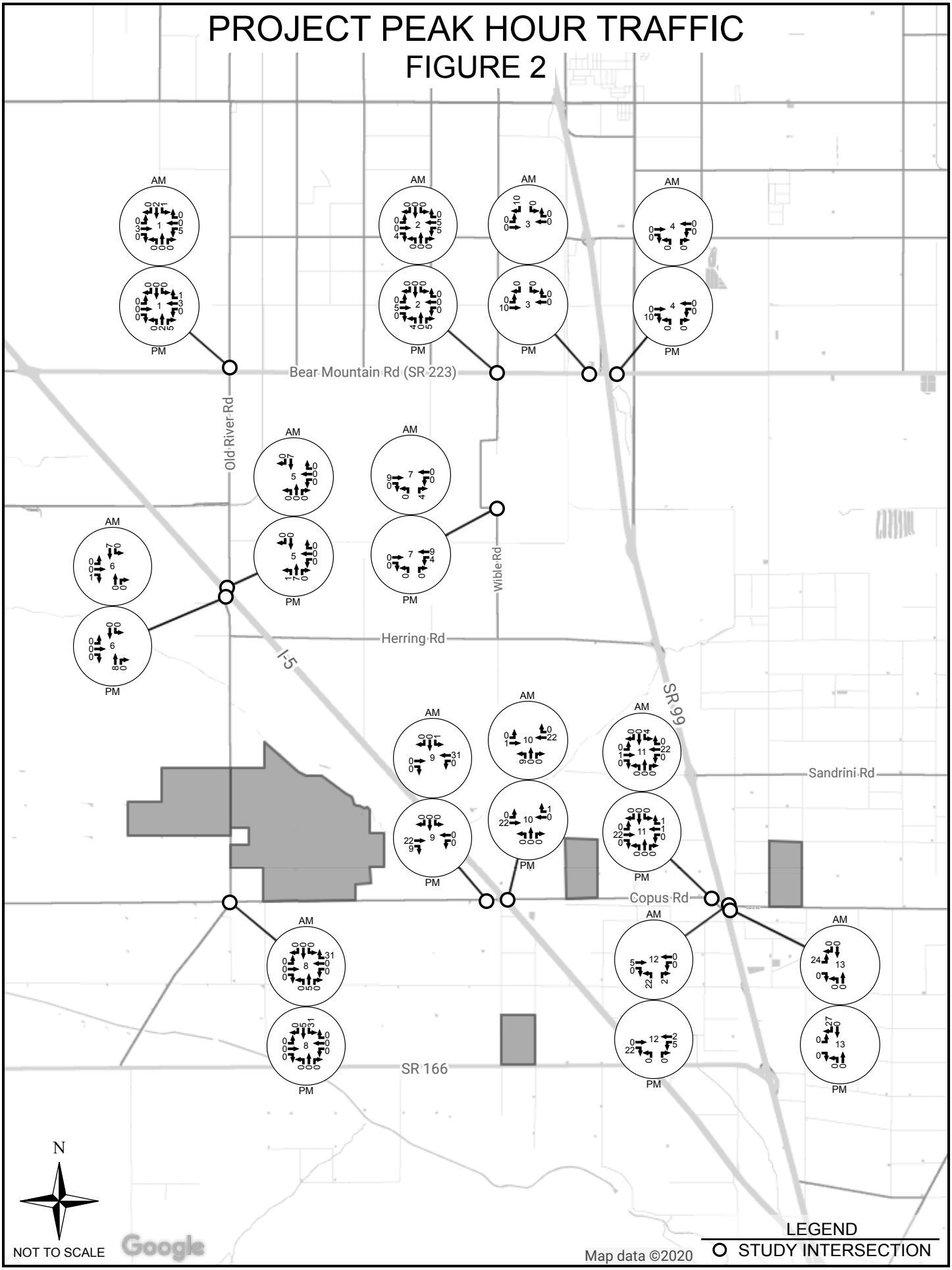
Ian J. Parks
IJP/

VICINITY MAP

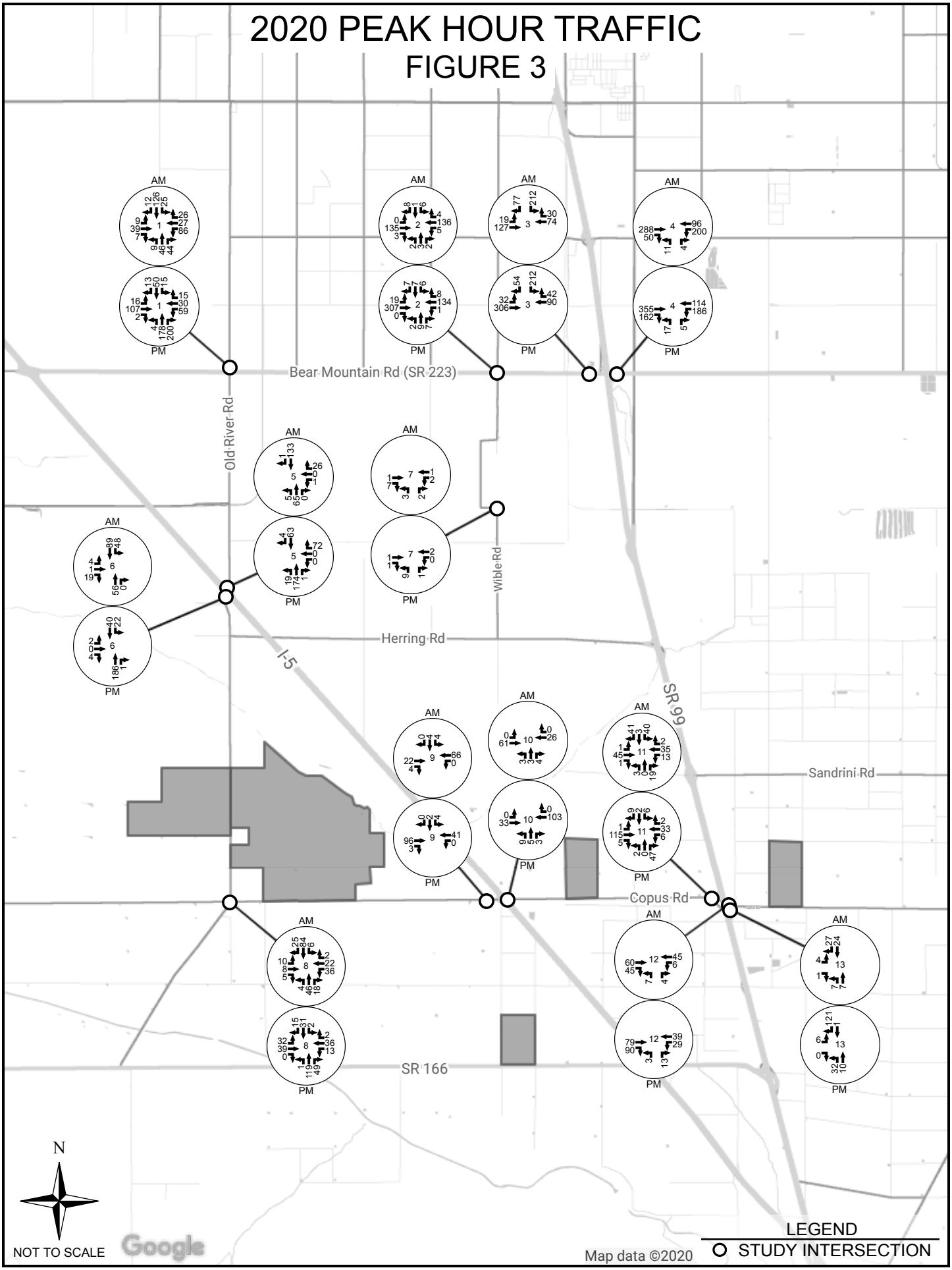
FIGURE 1



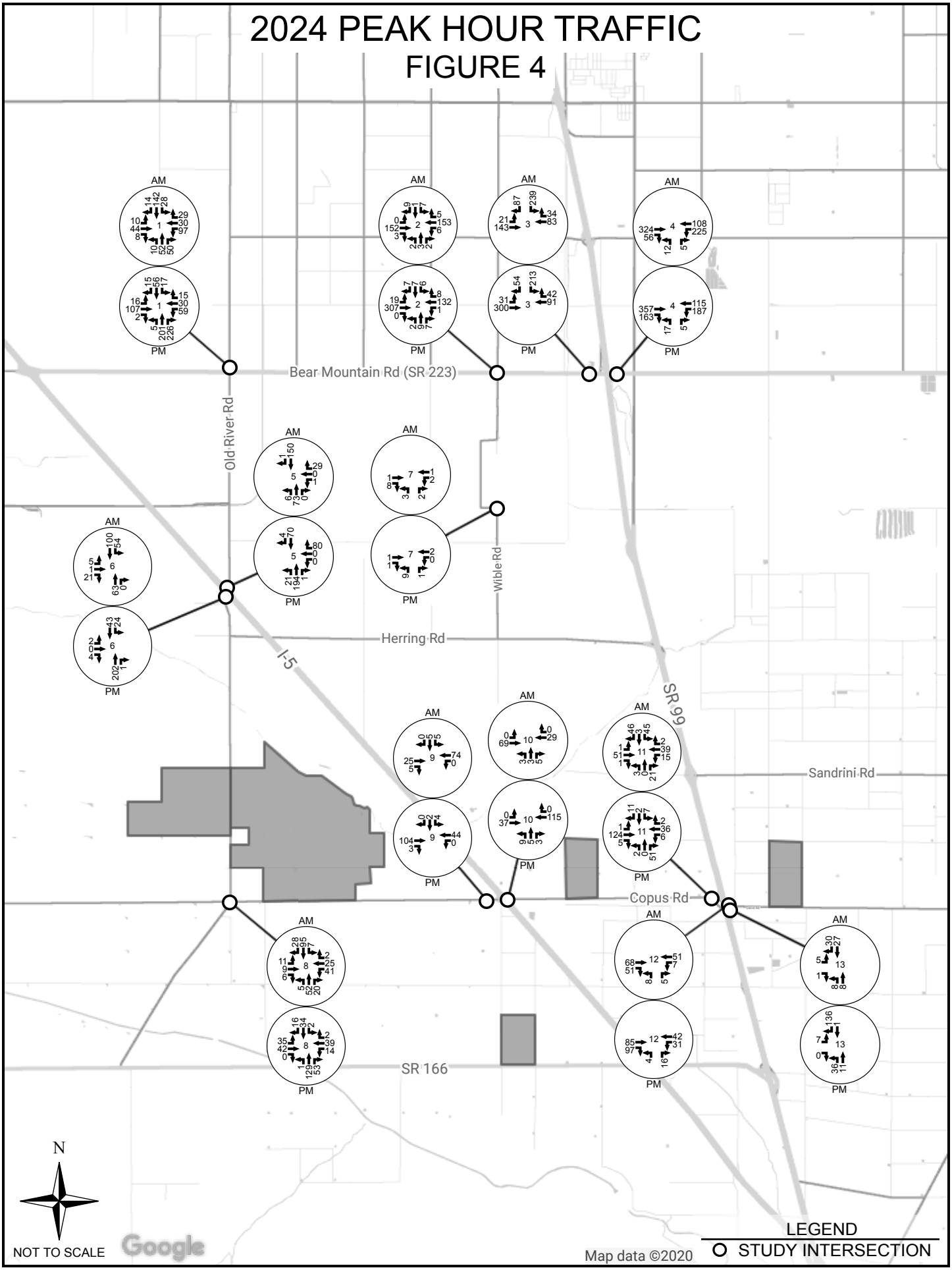
PROJECT PEAK HOUR TRAFFIC
FIGURE 2



2020 PEAK HOUR TRAFFIC
FIGURE 3

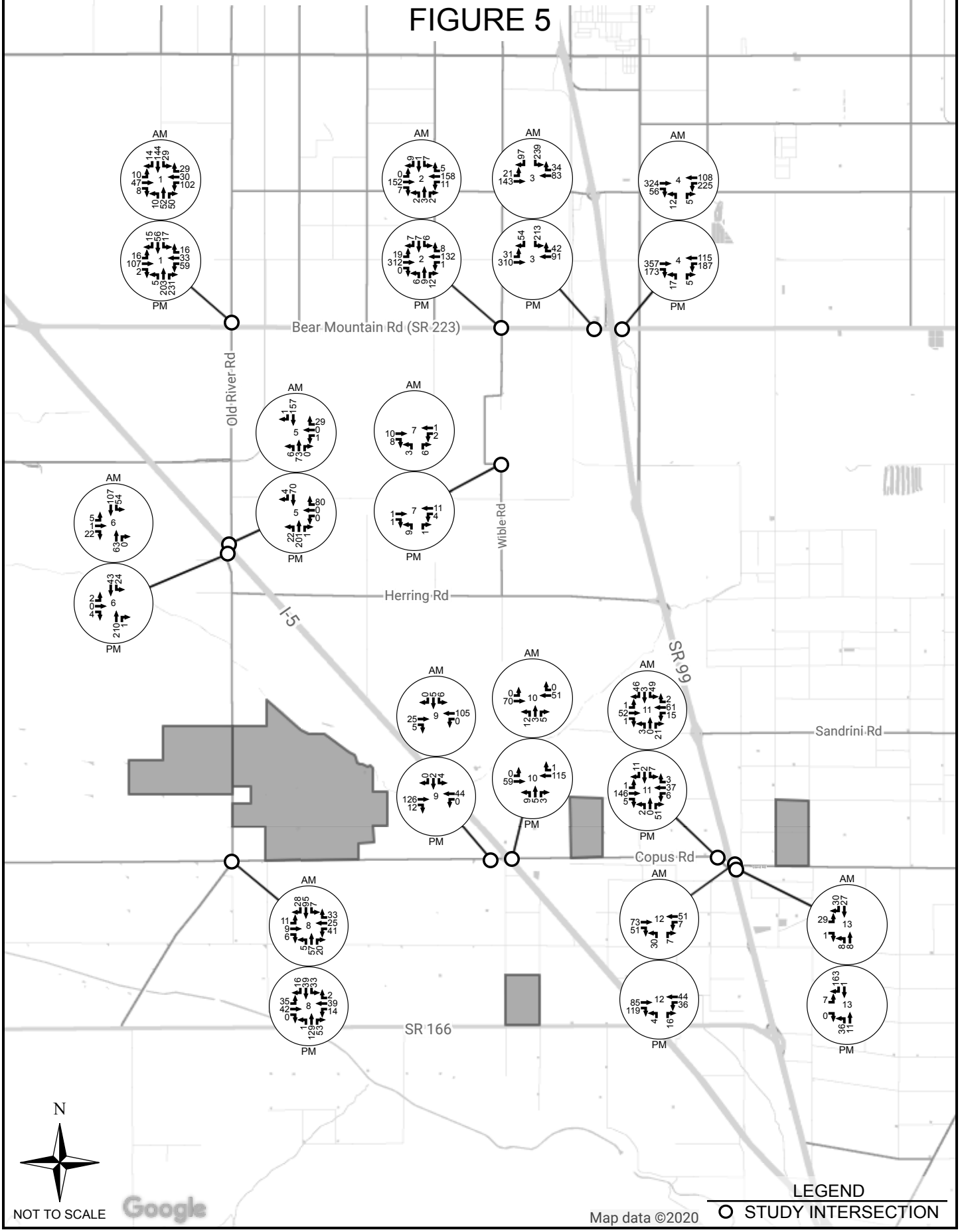


2024 PEAK HOUR TRAFFIC
FIGURE 4



2024+PROJECT PEAK HOUR TRAFFIC

FIGURE 5



Intersection 1
Old River Rd & Bear Mountain Blvd (SR 223)

Intersection	
Intersection Delay, s/veh	8.6
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	9	39	7	0	86	27	26	0	9	46	44	0	25	126	12
Future Vol, veh/h	0	9	39	7	0	86	27	26	0	9	46	44	0	25	126	12
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	10	42	8	0	93	29	28	0	10	50	48	0	27	137	13
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.2	8.8	8.1	8.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	9%	16%	62%	15%
Vol Thru, %	46%	71%	19%	77%
Vol Right, %	44%	13%	19%	7%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	99	55	139	163
LT Vol	9	9	86	25
Through Vol	46	39	27	126
RT Vol	44	7	26	12
Lane Flow Rate	108	60	151	177
Geometry Grp	1	1	1	1
Degree of Util (X)	0.131	0.078	0.196	0.224
Departure Headway (Hd)	4.396	4.727	4.669	4.546
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	815	756	768	790
Service Time	2.427	2.765	2.701	2.574
HCM Lane V/C Ratio	0.133	0.079	0.197	0.224
HCM Control Delay	8.1	8.2	8.8	8.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.4	0.3	0.7	0.9

Intersection	
Intersection Delay, s/veh	9
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	10	44	8	0	97	30	29	0	10	52	50	0	28	142	14
Future Vol, veh/h	0	10	44	8	0	97	30	29	0	10	52	50	0	28	142	14
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	11	48	9	0	105	33	32	0	11	57	54	0	30	154	15
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.4	9.2	8.4	9.3
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	9%	16%	62%	15%
Vol Thru, %	46%	71%	19%	77%
Vol Right, %	45%	13%	19%	8%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	112	62	156	184
LT Vol	10	10	97	28
Through Vol	52	44	30	142
RT Vol	50	8	29	14
Lane Flow Rate	122	67	170	200
Geometry Grp	1	1	1	1
Degree of Util (X)	0.152	0.091	0.225	0.257
Departure Headway (Hd)	4.499	4.851	4.776	4.635
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	795	736	749	774
Service Time	2.542	2.899	2.817	2.675
HCM Lane V/C Ratio	0.153	0.091	0.227	0.258
HCM Control Delay	8.4	8.4	9.2	9.3
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.5	0.3	0.9	1

Intersection	
Intersection Delay, s/veh	9
Intersection LOS	A

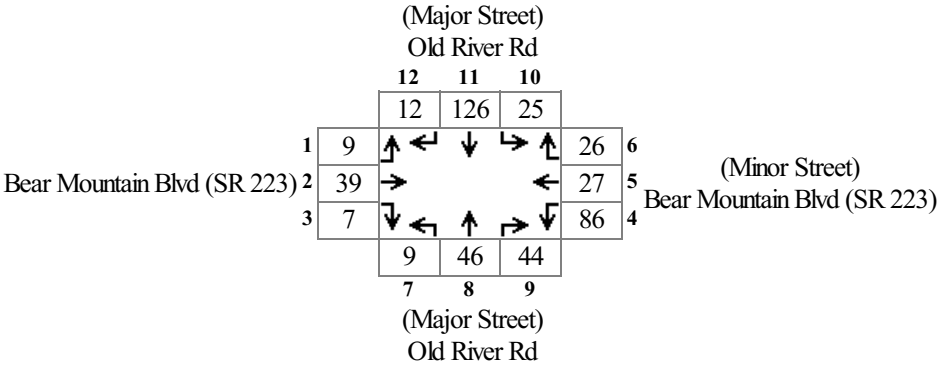
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	10	47	8	0	102	30	29	0	10	52	50	0	29	144	14
Future Vol, veh/h	0	10	47	8	0	102	30	29	0	10	52	50	0	29	144	14
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	11	51	9	0	111	33	32	0	11	57	54	0	32	157	15
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.4	9.3	8.4	9.4
HCM LOS	A	A	A	A

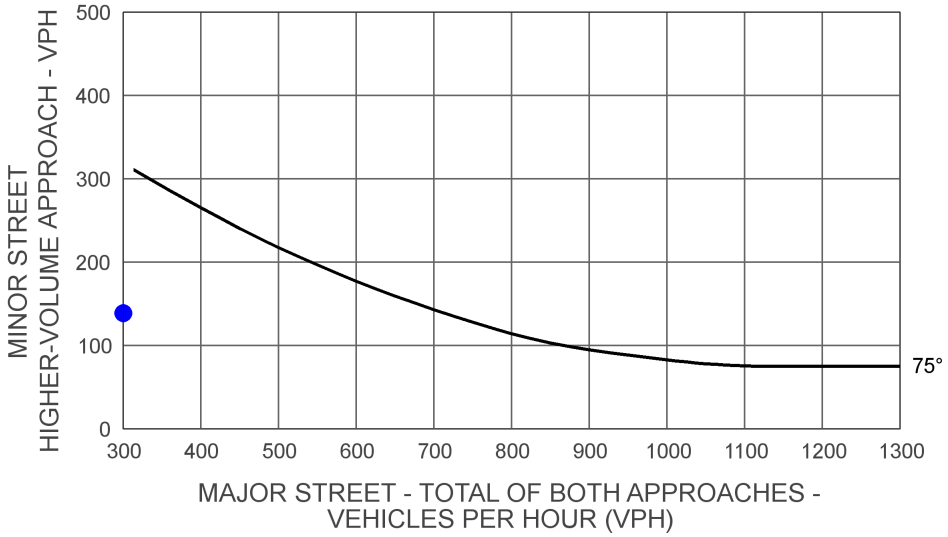
Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	9%	15%	63%	16%
Vol Thru, %	46%	72%	19%	77%
Vol Right, %	45%	12%	18%	7%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	112	65	161	187
LT Vol	10	10	102	29
Through Vol	52	47	30	144
RT Vol	50	8	29	14
Lane Flow Rate	122	71	175	203
Geometry Grp	1	1	1	1
Degree of Util (X)	0.153	0.096	0.233	0.263
Departure Headway (Hd)	4.528	4.873	4.798	4.661
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	789	732	746	768
Service Time	2.574	2.924	2.842	2.702
HCM Lane V/C Ratio	0.155	0.097	0.235	0.264
HCM Control Delay	8.4	8.4	9.3	9.4
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.5	0.3	0.9	1.1

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 1

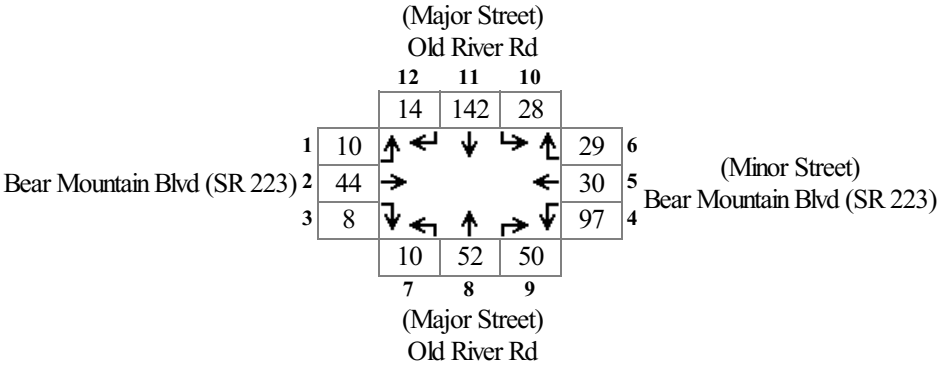


Major Total: 262
Minor High Volume: 139

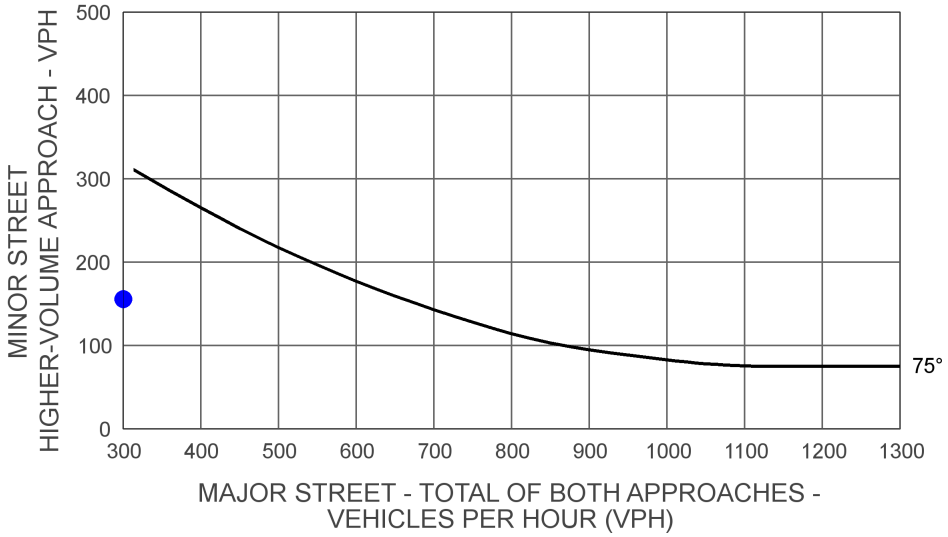


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 1

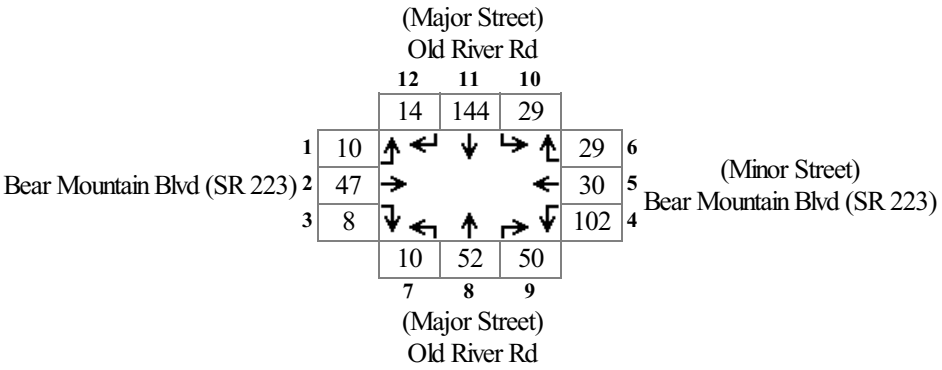


Major Total: 296
Minor High Volume: 156

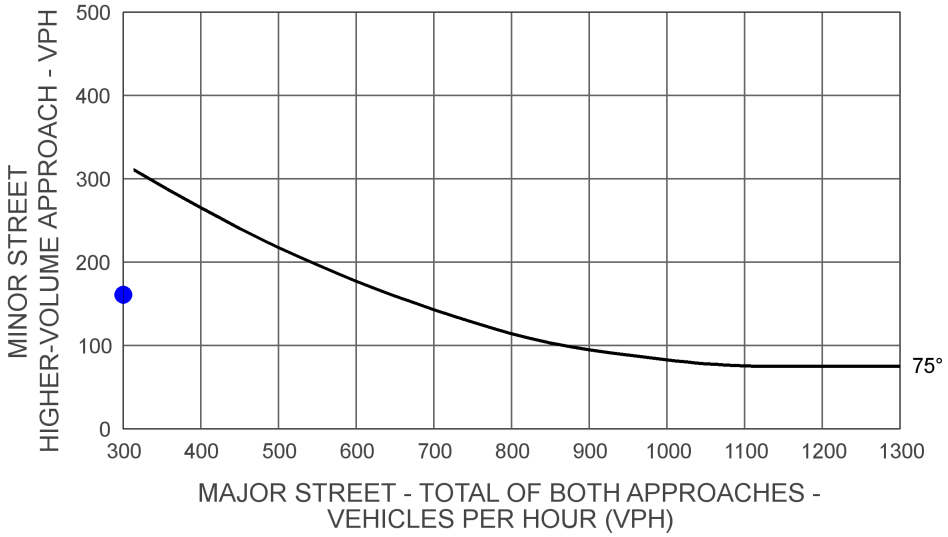


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 1



Major Total: 299
Minor High Volume: 161



Intersection	
Intersection Delay, s/veh	10.8
Intersection LOS	B

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	16	107	2	0	59	30	15	0	4	178	200	0	15	50	13
Future Vol, veh/h	0	16	107	2	0	59	30	15	0	4	178	200	0	15	50	13
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	17	116	2	0	64	33	16	0	4	193	217	0	16	54	14
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	9.6	9.4	11.9	8.8
HCM LOS	A	A	B	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	13%	57%	19%
Vol Thru, %	47%	86%	29%	64%
Vol Right, %	52%	2%	14%	17%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	382	125	104	78
LT Vol	4	16	59	15
Through Vol	178	107	30	50
RT Vol	200	2	15	13
Lane Flow Rate	415	136	113	85
Geometry Grp	1	1	1	1
Degree of Util (X)	0.505	0.198	0.166	0.118
Departure Headway (Hd)	4.377	5.236	5.281	4.998
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	818	678	671	710
Service Time	2.431	3.323	3.372	3.079
HCM Lane V/C Ratio	0.507	0.201	0.168	0.12
HCM Control Delay	11.9	9.6	9.4	8.8
HCM Lane LOS	B	A	A	A
HCM 95th-tile Q	2.9	0.7	0.6	0.4

Intersection	
Intersection Delay, s/veh	11.8
Intersection LOS	B

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	16	107	2	0	59	30	15	0	5	201	226	0	17	56	15
Future Vol, veh/h	0	16	107	2	0	59	30	15	0	5	201	226	0	17	56	15
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	17	116	2	0	64	33	16	0	5	218	246	0	18	61	16
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	9.9	9.7	13.4	9
HCM LOS	A	A	B	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	13%	57%	19%
Vol Thru, %	47%	86%	29%	64%
Vol Right, %	52%	2%	14%	17%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	432	125	104	88
LT Vol	5	16	59	17
Through Vol	201	107	30	56
RT Vol	226	2	15	15
Lane Flow Rate	470	136	113	96
Geometry Grp	1	1	1	1
Degree of Util (X)	0.575	0.207	0.174	0.135
Departure Headway (Hd)	4.408	5.497	5.548	5.186
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	812	656	650	695
Service Time	2.482	3.5	3.552	3.186
HCM Lane V/C Ratio	0.579	0.207	0.174	0.138
HCM Control Delay	13.4	9.9	9.7	9
HCM Lane LOS	B	A	A	A
HCM 95th-tile Q	3.7	0.8	0.6	0.5

Intersection	
Intersection Delay, s/veh	12
Intersection LOS	B

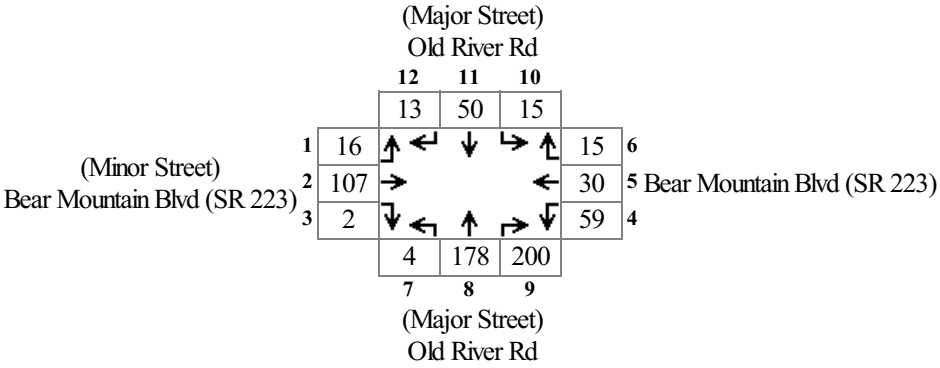
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	16	107	2	0	59	33	16	0	5	203	231	0	17	56	15
Future Vol, veh/h	0	16	107	2	0	59	33	16	0	5	203	231	0	17	56	15
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	17	116	2	0	64	36	17	0	5	221	251	0	18	61	16
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10	9.8	13.7	9
HCM LOS	A	A	B	A

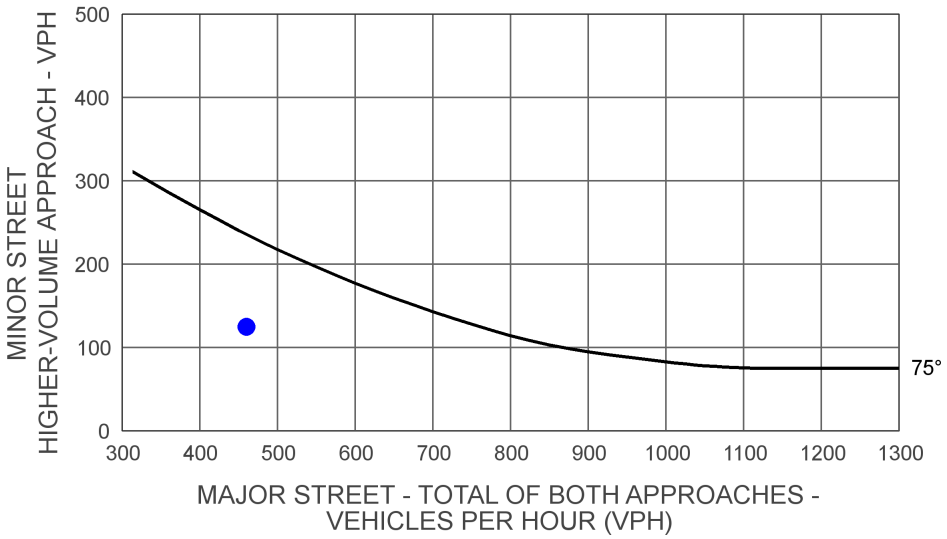
Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	13%	55%	19%
Vol Thru, %	46%	86%	31%	64%
Vol Right, %	53%	2%	15%	17%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	439	125	108	88
LT Vol	5	16	59	17
Through Vol	203	107	33	56
RT Vol	231	2	16	15
Lane Flow Rate	477	136	117	96
Geometry Grp	1	1	1	1
Degree of Util (X)	0.586	0.209	0.181	0.136
Departure Headway (Hd)	4.42	5.529	5.566	5.217
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	806	652	648	692
Service Time	2.498	3.532	3.571	3.217
HCM Lane V/C Ratio	0.592	0.209	0.181	0.139
HCM Control Delay	13.7	10	9.8	9
HCM Lane LOS	B	A	A	A
HCM 95th-tile Q	3.9	0.8	0.7	0.5

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 1

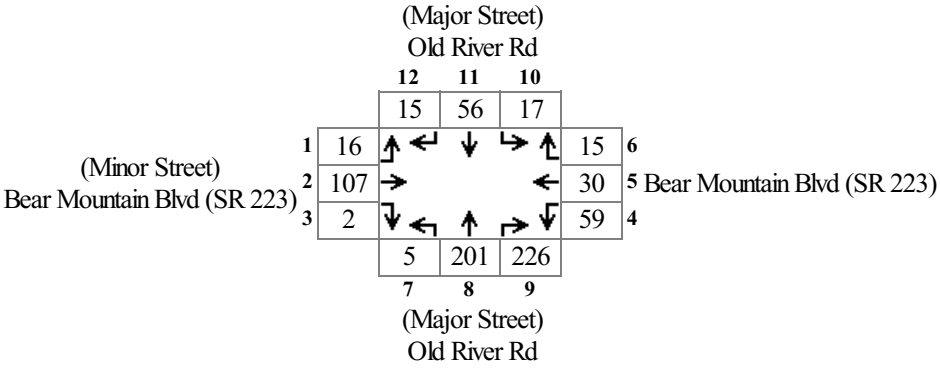


Major Total: 460
Minor High Volume: 125

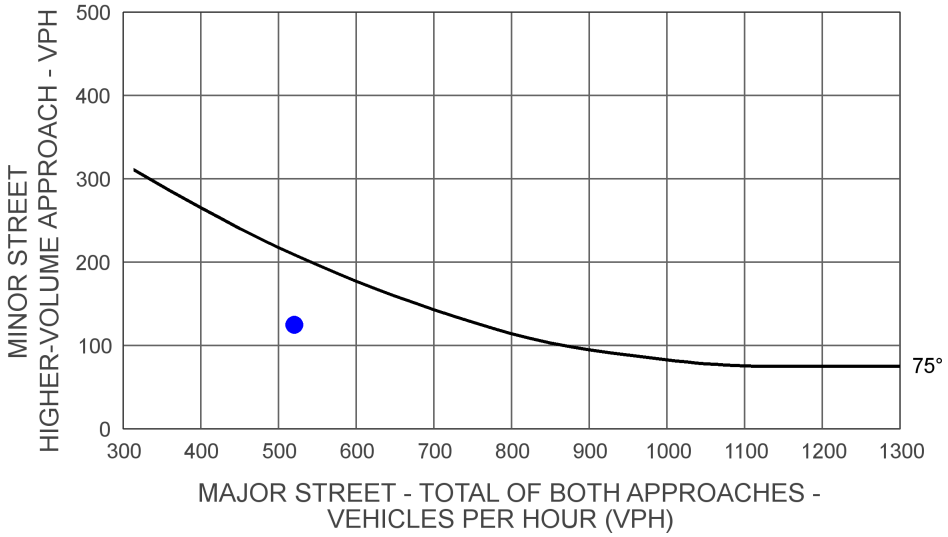


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 1

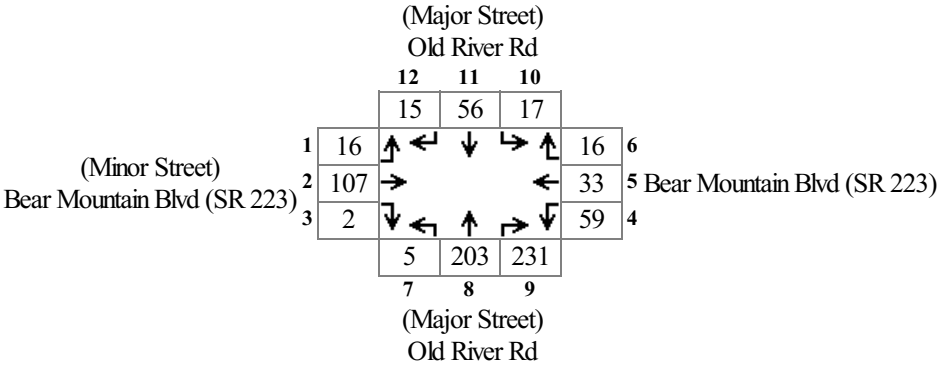


Major Total: 520
Minor High Volume: 125

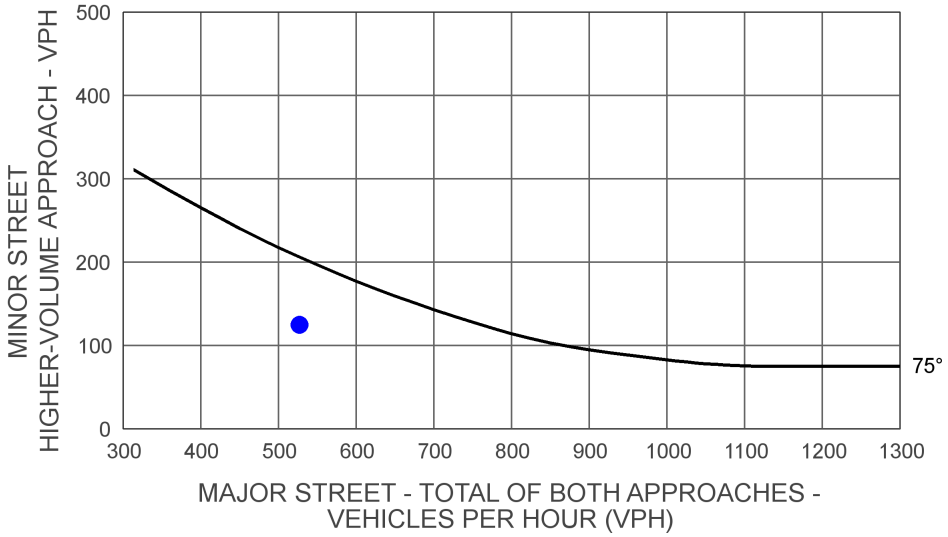


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 1



Major Total: 527
Minor High Volume: 125



Intersection 2
Wible Rd & Bear Mountain Blvd (SR 223)

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	135	3	5	136	4	2	3	2	6	1	8
Future Vol, veh/h	0	135	3	5	136	4	2	3	2	6	1	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	147	3	5	148	4	2	3	2	7	1	9

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	152	0	0	150	0	0	314	311	148	312	311	150
Stage 1	-	-	-	-	-	-	148	148	-	161	161	-
Stage 2	-	-	-	-	-	-	166	163	-	151	150	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1429	-	-	1431	-	-	639	604	899	641	604	896
Stage 1	-	-	-	-	-	-	855	775	-	841	765	-
Stage 2	-	-	-	-	-	-	836	763	-	851	773	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1429	-	-	1431	-	-	630	602	899	635	602	896
Mov Cap-2 Maneuver	-	-	-	-	-	-	630	602	-	635	602	-
Stage 1	-	-	-	-	-	-	855	775	-	841	762	-
Stage 2	-	-	-	-	-	-	823	760	-	845	773	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.3	10.4	9.9
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	674	1429	-	-	1431	-	-	749
HCM Lane V/C Ratio	0.011	-	-	-	0.004	-	-	0.022
HCM Control Delay (s)	10.4	0	-	-	7.5	0	-	9.9
HCM Lane LOS	B	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	0.1

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	152	3	6	153	5	2	3	2	7	1	9
Future Vol, veh/h	0	152	3	6	153	5	2	3	2	7	1	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	165	3	7	166	5	2	3	2	8	1	10

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	172	0	0	168	0	0	354	352	167	352	350	169
Stage 1	-	-	-	-	-	-	167	167	-	182	182	-
Stage 2	-	-	-	-	-	-	187	185	-	170	168	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1405	-	-	1410	-	-	601	573	877	603	574	875
Stage 1	-	-	-	-	-	-	835	760	-	820	749	-
Stage 2	-	-	-	-	-	-	815	747	-	832	759	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1405	-	-	1410	-	-	591	570	877	597	571	875
Mov Cap-2 Maneuver	-	-	-	-	-	-	591	570	-	597	571	-
Stage 1	-	-	-	-	-	-	835	760	-	820	745	-
Stage 2	-	-	-	-	-	-	801	743	-	826	759	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.3	10.7	10.2
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	641	1405	-	-	1410	-	-	715
HCM Lane V/C Ratio	0.012	-	-	-	0.005	-	-	0.026
HCM Control Delay (s)	10.7	0	-	-	7.6	0	-	10.2
HCM Lane LOS	B	A	-	-	A	A	-	B
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	0.1

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	152	7	11	158	5	2	3	2	7	1	9
Future Vol, veh/h	0	152	7	11	158	5	2	3	2	7	1	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	165	8	12	172	5	2	3	2	8	1	10

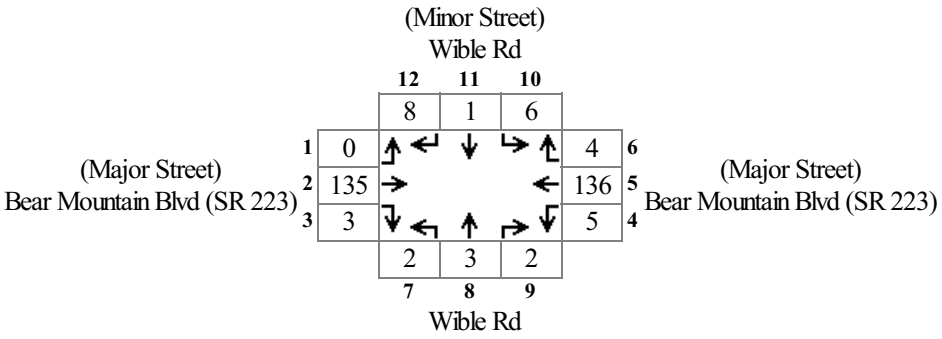
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	177	0	0	173	0	0	373	370	169	370	371	174
Stage 1	-	-	-	-	-	-	169	169	-	198	198	-
Stage 2	-	-	-	-	-	-	204	201	-	172	173	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1399	-	-	1404	-	-	584	560	875	587	559	869
Stage 1	-	-	-	-	-	-	833	759	-	804	737	-
Stage 2	-	-	-	-	-	-	798	735	-	830	756	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1399	-	-	1404	-	-	573	555	875	579	554	869
Mov Cap-2 Maneuver	-	-	-	-	-	-	573	555	-	579	554	-
Stage 1	-	-	-	-	-	-	833	759	-	804	730	-
Stage 2	-	-	-	-	-	-	781	728	-	824	756	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0.5	10.8	10.3
HCM LOS			B	B

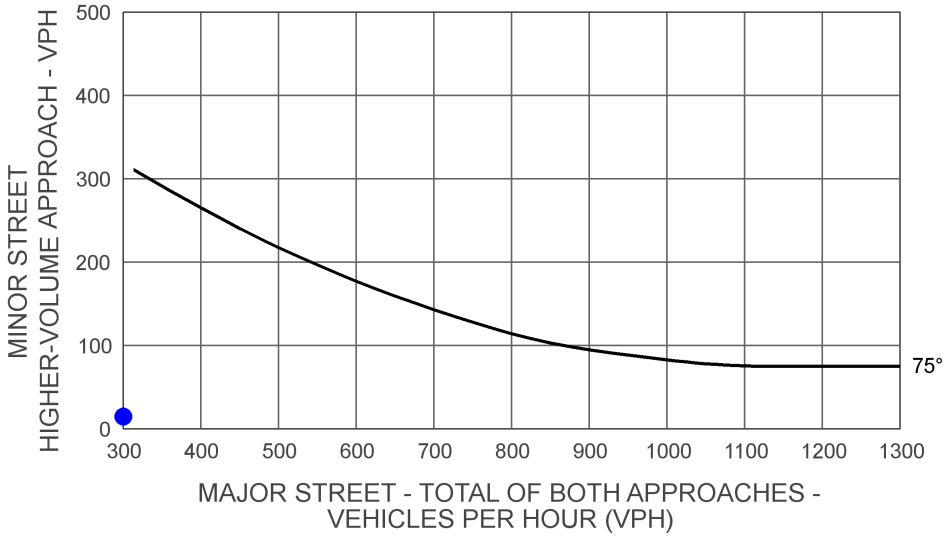
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	626	1399	-	-	1404	-	-	701
HCM Lane V/C Ratio	0.012	-	-	-	0.009	-	-	0.026
HCM Control Delay (s)	10.8	0	-	-	7.6	0	-	10.3
HCM Lane LOS	B	A	-	-	A	A	-	B
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	0.1

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 2

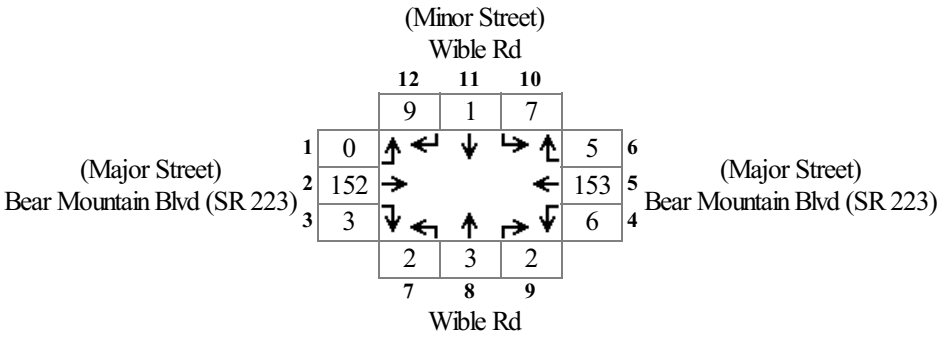


Major Total: 283
Minor High Volume: 15

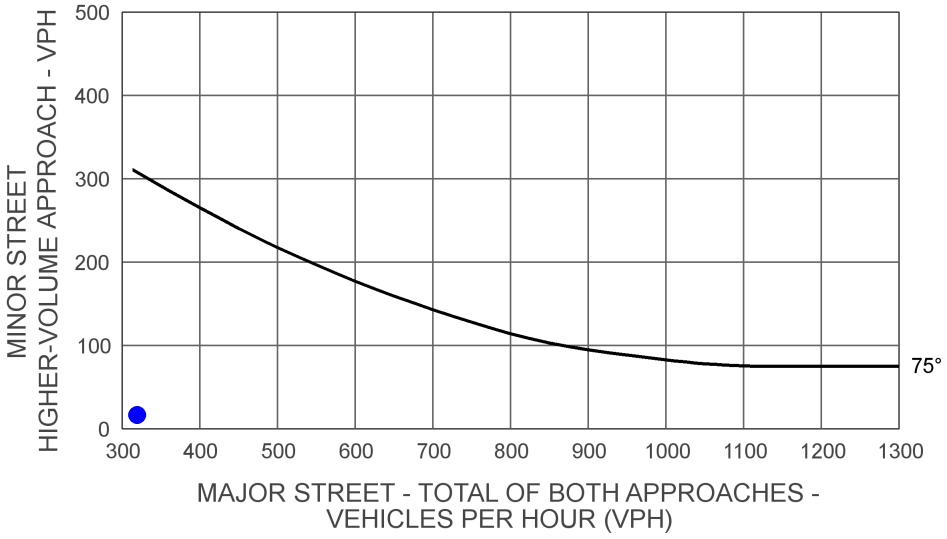


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 2

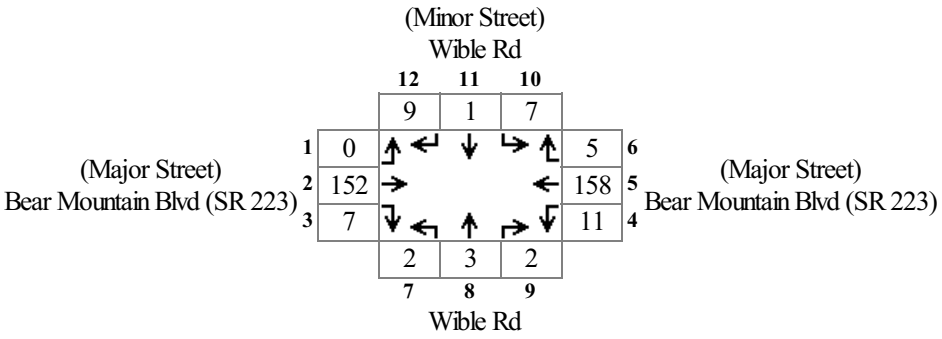


Major Total: 319
Minor High Volume: 17

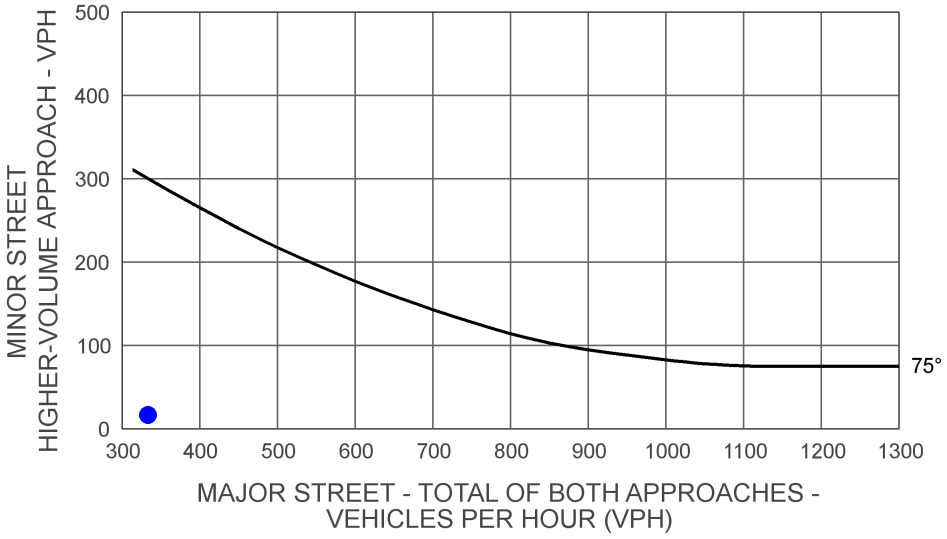


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 2



Major Total: 333
Minor High Volume: 17



Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	19	307	0	1	134	8	2	9	7	6	7	7
Future Vol, veh/h	19	307	0	1	134	8	2	9	7	6	7	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	334	0	1	146	9	2	10	8	7	8	8

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	154	0	0	334	0	0	535	532	334	536	527	150
Stage 1	-	-	-	-	-	-	375	375	-	152	152	-
Stage 2	-	-	-	-	-	-	160	157	-	384	375	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1426	-	-	1225	-	-	456	453	708	455	456	896
Stage 1	-	-	-	-	-	-	646	617	-	850	772	-
Stage 2	-	-	-	-	-	-	842	768	-	639	617	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1426	-	-	1225	-	-	440	444	708	436	447	896
Mov Cap-2 Maneuver	-	-	-	-	-	-	440	444	-	436	447	-
Stage 1	-	-	-	-	-	-	634	606	-	835	771	-
Stage 2	-	-	-	-	-	-	826	767	-	611	606	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.1	12.2	12
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	519	1426	-	-	1225	-	-	537
HCM Lane V/C Ratio	0.038	0.014	-	-	0.001	-	-	0.04
HCM Control Delay (s)	12.2	7.6	0	-	7.9	0	-	12
HCM Lane LOS	B	A	A	-	A	A	-	B
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.1

Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	19	307	0	1	132	8	2	9	7	6	7	7
Future Vol, veh/h	19	307	0	1	132	8	2	9	7	6	7	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	334	0	1	143	9	2	10	8	7	8	8

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	152	0	0	334	0	0	533	529	334	534	525	148
Stage 1	-	-	-	-	-	-	375	375	-	150	150	-
Stage 2	-	-	-	-	-	-	158	154	-	384	375	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1429	-	-	1225	-	-	458	455	708	457	458	899
Stage 1	-	-	-	-	-	-	646	617	-	853	773	-
Stage 2	-	-	-	-	-	-	844	770	-	639	617	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1429	-	-	1225	-	-	442	446	708	438	449	899
Mov Cap-2 Maneuver	-	-	-	-	-	-	442	446	-	438	449	-
Stage 1	-	-	-	-	-	-	634	606	-	838	772	-
Stage 2	-	-	-	-	-	-	828	769	-	611	606	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.1	12.2	12
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	520	1429	-	-	1225	-	-	539
HCM Lane V/C Ratio	0.038	0.014	-	-	0.001	-	-	0.04
HCM Control Delay (s)	12.2	7.6	0	-	7.9	0	-	12
HCM Lane LOS	B	A	A	-	A	A	-	B
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.1

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	19	312	0	1	132	8	6	9	12	6	7	7
Future Vol, veh/h	19	312	0	1	132	8	6	9	12	6	7	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	339	0	1	143	9	7	10	13	7	8	8

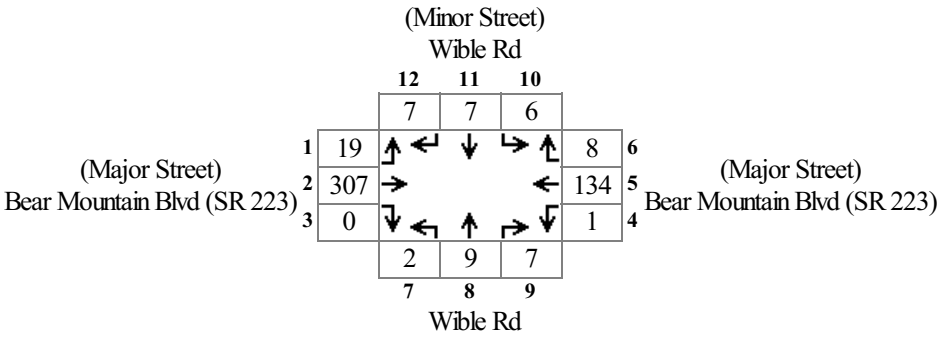
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	152	0	0	339	0	0	538	534	339	542	530	148
Stage 1	-	-	-	-	-	-	380	380	-	150	150	-
Stage 2	-	-	-	-	-	-	158	154	-	392	380	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1429	-	-	1220	-	-	454	452	703	451	455	899
Stage 1	-	-	-	-	-	-	642	614	-	853	773	-
Stage 2	-	-	-	-	-	-	844	770	-	633	614	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1429	-	-	1220	-	-	438	443	703	429	446	899
Mov Cap-2 Maneuver	-	-	-	-	-	-	438	443	-	429	446	-
Stage 1	-	-	-	-	-	-	630	603	-	838	772	-
Stage 2	-	-	-	-	-	-	828	769	-	600	603	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.1	12.2	12
HCM LOS			B	B

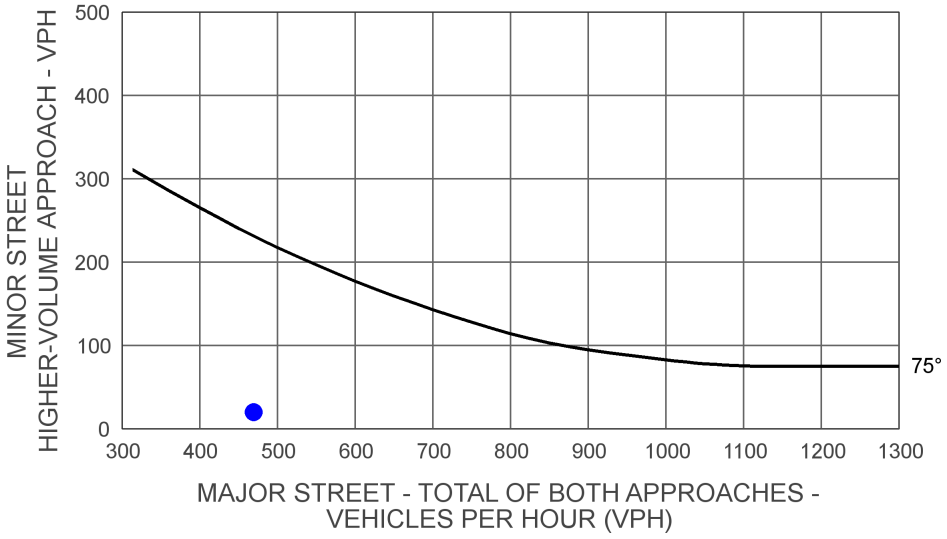
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	529	1429	-	-	1220	-	-	534
HCM Lane V/C Ratio	0.055	0.014	-	-	0.001	-	-	0.041
HCM Control Delay (s)	12.2	7.6	0	-	8	0	-	12
HCM Lane LOS	B	A	A	-	A	A	-	B
HCM 95th %tile Q(veh)	0.2	0	-	-	0	-	-	0.1

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 2

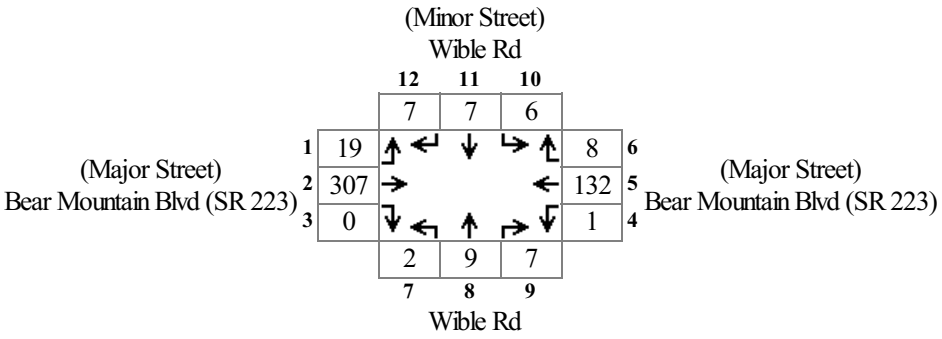


Major Total: 469
Minor High Volume: 20

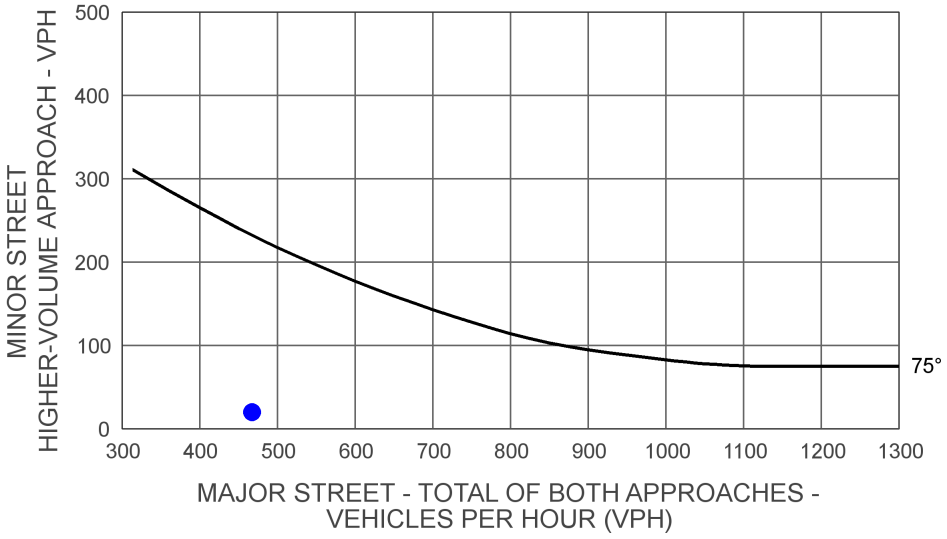


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 2

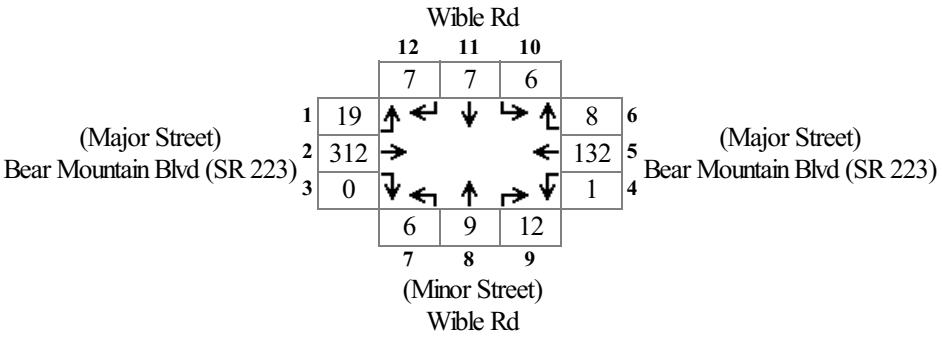


Major Total: 467
Minor High Volume: 20

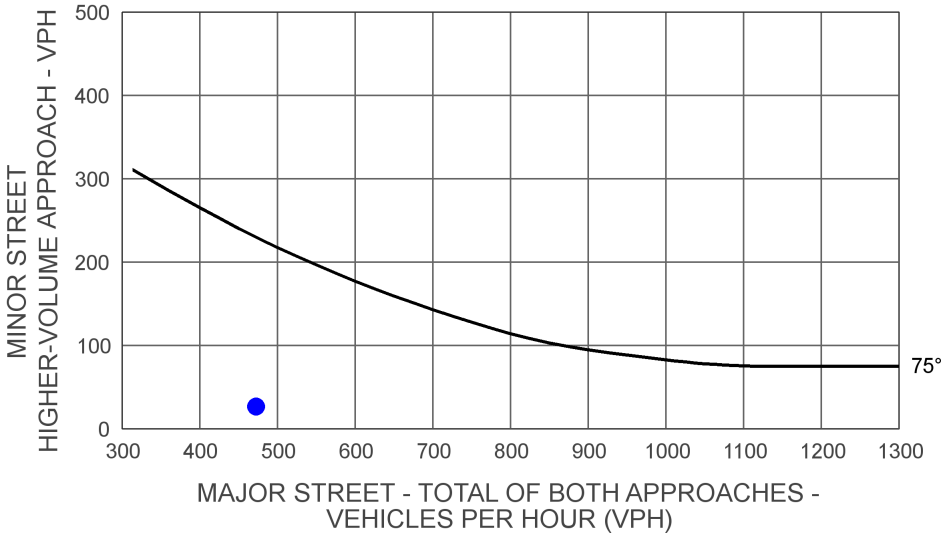


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 2



Major Total: 472
Minor High Volume: 27



Intersection 3
Costajo Rd & Bear Mountain Blvd (SR 223)

Intersection	
Int Delay, s/veh	7.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h	19	127	74	30	212	77
Future Vol, veh/h	19	127	74	30	212	77
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	21	138	80	33	230	84

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	113	0	-	0	276	97
Stage 1	-	-	-	-	97	-
Stage 2	-	-	-	-	179	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1476	-	-	-	714	959
Stage 1	-	-	-	-	927	-
Stage 2	-	-	-	-	852	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1476	-	-	-	703	959
Mov Cap-2 Maneuver	-	-	-	-	703	-
Stage 1	-	-	-	-	927	-
Stage 2	-	-	-	-	839	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	13.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1476	-	-	-	757
HCM Lane V/C Ratio	0.014	-	-	-	0.415
HCM Control Delay (s)	7.5	0	-	-	13.1
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	2.1

Intersection	
Int Delay, s/veh	8.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h	21	143	83	34	239	87
Future Vol, veh/h	21	143	83	34	239	87
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	23	155	90	37	260	95

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	127	0	-	0	310	109
Stage 1	-	-	-	-	109	-
Stage 2	-	-	-	-	201	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1459	-	-	-	682	945
Stage 1	-	-	-	-	916	-
Stage 2	-	-	-	-	833	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1459	-	-	-	670	945
Mov Cap-2 Maneuver	-	-	-	-	670	-
Stage 1	-	-	-	-	916	-
Stage 2	-	-	-	-	819	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	14.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1459	-	-	-	726
HCM Lane V/C Ratio	0.016	-	-	-	0.488
HCM Control Delay (s)	7.5	0	-	-	14.6
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	2.7

Intersection	
Int Delay, s/veh	8.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h	21	143	83	34	239	97
Future Vol, veh/h	21	143	83	34	239	97
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	23	155	90	37	260	105

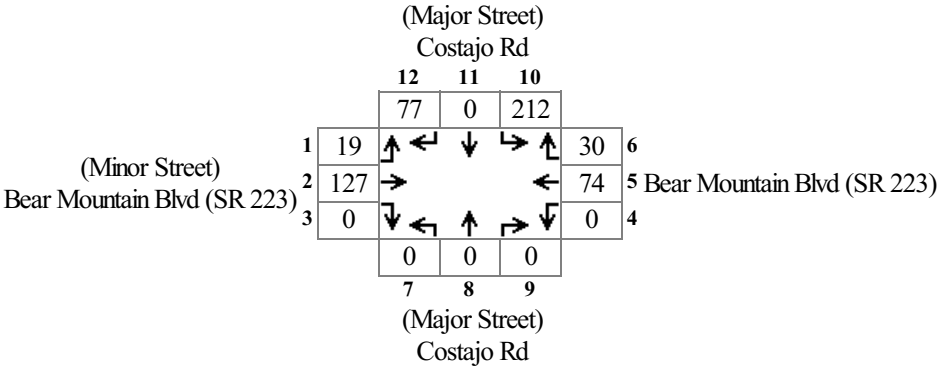
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	127	0	-	0	310	109
Stage 1	-	-	-	-	109	-
Stage 2	-	-	-	-	201	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1459	-	-	-	682	945
Stage 1	-	-	-	-	916	-
Stage 2	-	-	-	-	833	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1459	-	-	-	670	945
Mov Cap-2 Maneuver	-	-	-	-	670	-
Stage 1	-	-	-	-	916	-
Stage 2	-	-	-	-	819	-

Approach	EB	WB	SB
HCM Control Delay, s	1	0	14.7
HCM LOS			B

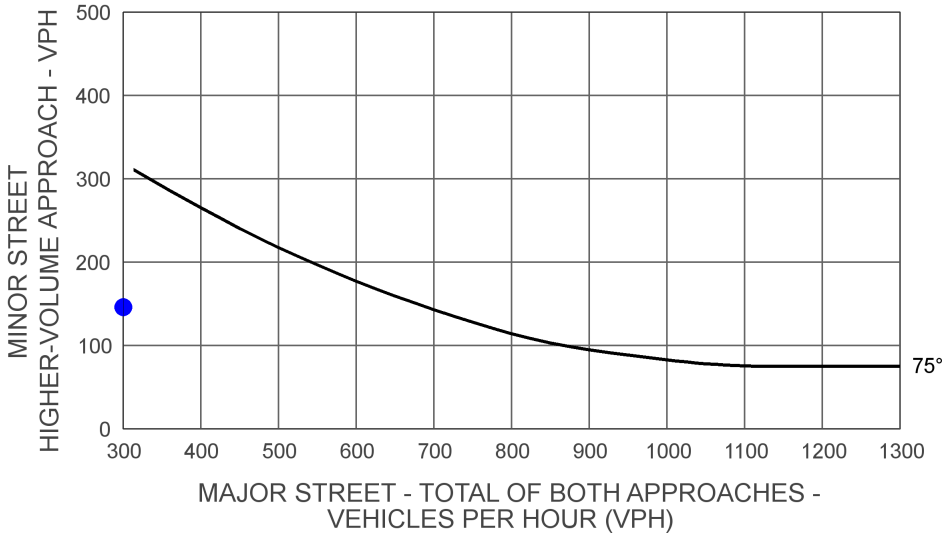
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1459	-	-	-	731
HCM Lane V/C Ratio	0.016	-	-	-	0.5
HCM Control Delay (s)	7.5	0	-	-	14.7
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	2.8

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 3

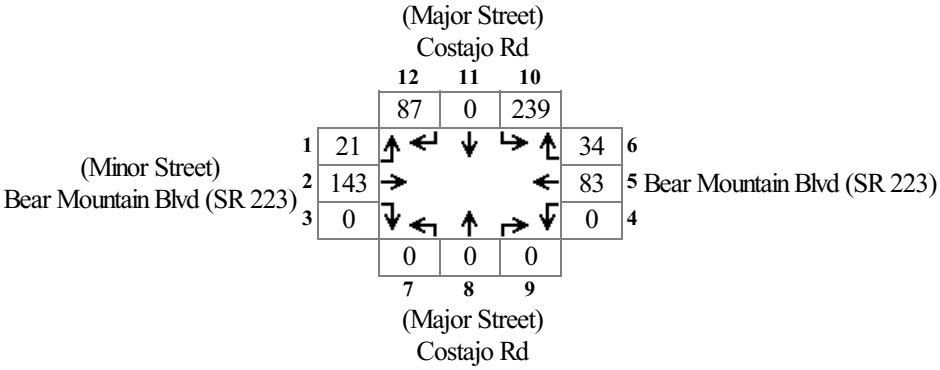


Major Total: 289
Minor High Volume: 146

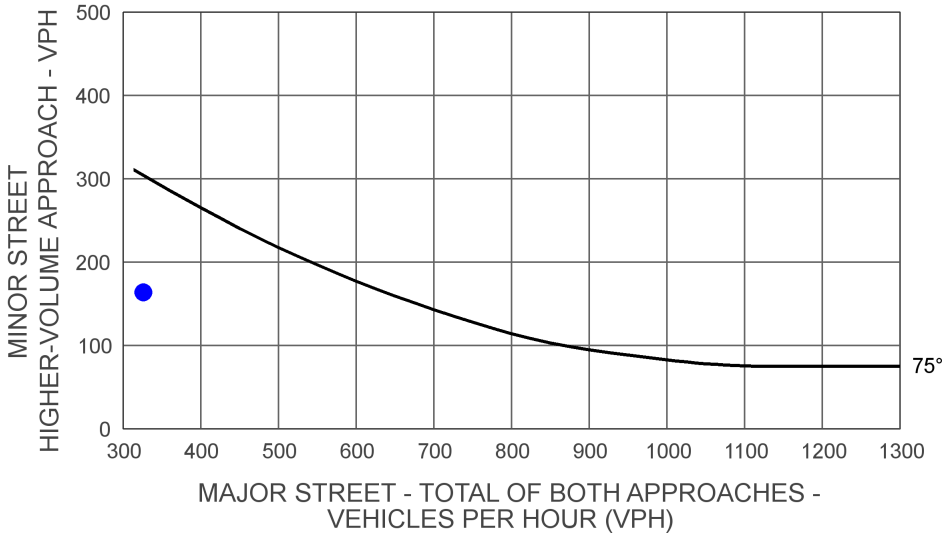


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 3

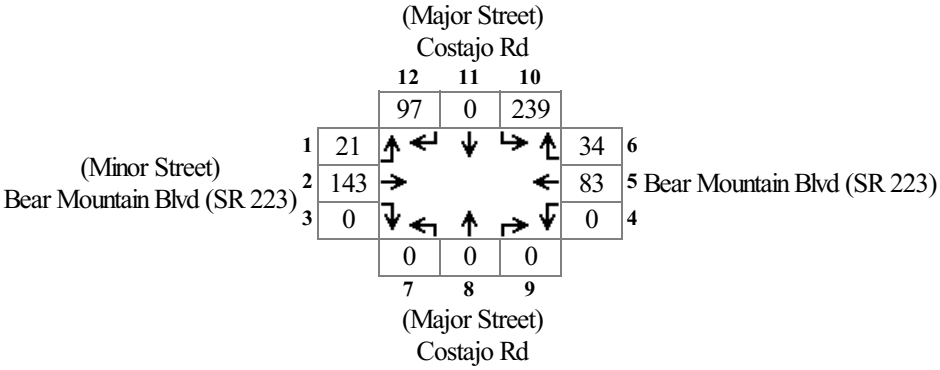


Major Total: 326
Minor High Volume: 164

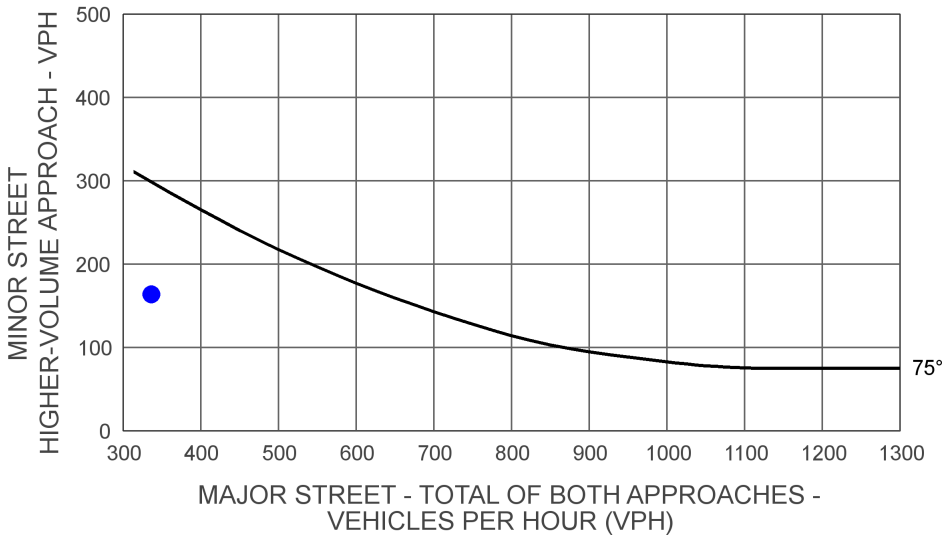


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 3



Major Total: 336
Minor High Volume: 164



Intersection	
Int Delay, s/veh	7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h	32	306	90	42	212	54
Future Vol, veh/h	32	306	90	42	212	54
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	35	333	98	46	230	59

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	143	0	-	0	523	121
Stage 1	-	-	-	-	121	-
Stage 2	-	-	-	-	402	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1440	-	-	-	514	930
Stage 1	-	-	-	-	904	-
Stage 2	-	-	-	-	676	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1440	-	-	-	499	930
Mov Cap-2 Maneuver	-	-	-	-	499	-
Stage 1	-	-	-	-	904	-
Stage 2	-	-	-	-	656	-

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	18.5
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1440	-	-	-	551
HCM Lane V/C Ratio	0.024	-	-	-	0.525
HCM Control Delay (s)	7.6	0	-	-	18.5
HCM Lane LOS	A	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	3

Intersection	
Int Delay, s/veh	7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h	31	300	91	42	213	54
Future Vol, veh/h	31	300	91	42	213	54
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	34	326	99	46	232	59

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	145	0	-	0	515	122
Stage 1	-	-	-	-	122	-
Stage 2	-	-	-	-	393	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1437	-	-	-	520	929
Stage 1	-	-	-	-	903	-
Stage 2	-	-	-	-	682	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1437	-	-	-	505	929
Mov Cap-2 Maneuver	-	-	-	-	505	-
Stage 1	-	-	-	-	903	-
Stage 2	-	-	-	-	662	-

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	18.3
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1437	-	-	-	556
HCM Lane V/C Ratio	0.023	-	-	-	0.522
HCM Control Delay (s)	7.6	0	-	-	18.3
HCM Lane LOS	A	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	3

Intersection	
Int Delay, s/veh	7.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h	31	310	91	42	213	54
Future Vol, veh/h	31	310	91	42	213	54
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	34	337	99	46	232	59

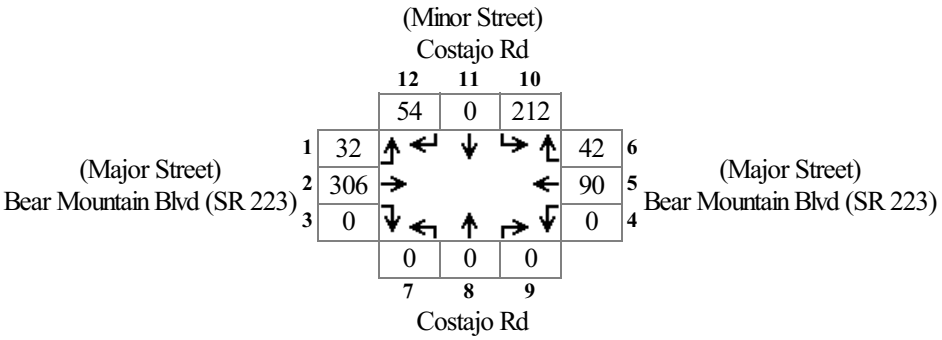
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	145	0	-	0	526	122
Stage 1	-	-	-	-	122	-
Stage 2	-	-	-	-	404	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1437	-	-	-	512	929
Stage 1	-	-	-	-	903	-
Stage 2	-	-	-	-	674	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1437	-	-	-	497	929
Mov Cap-2 Maneuver	-	-	-	-	497	-
Stage 1	-	-	-	-	903	-
Stage 2	-	-	-	-	654	-

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	18.7
HCM LOS			C

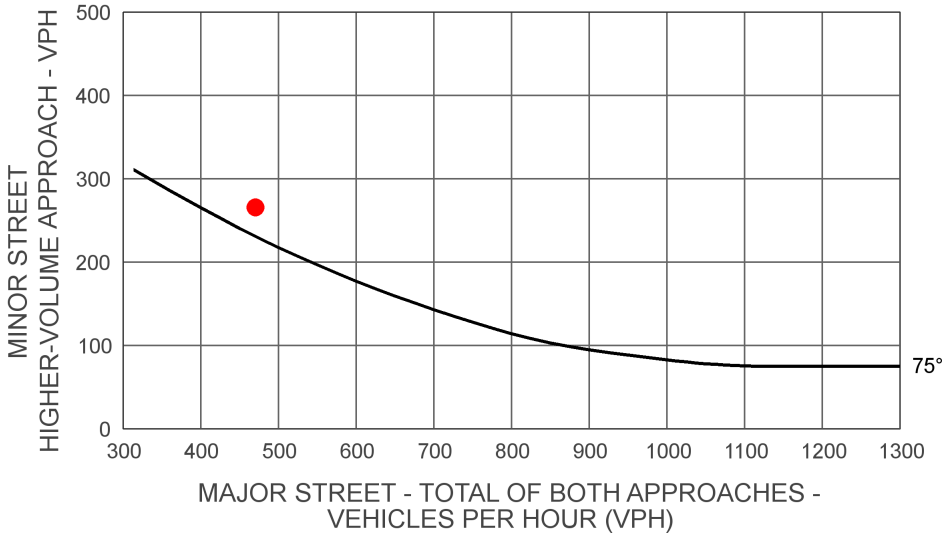
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1437	-	-	-	549
HCM Lane V/C Ratio	0.023	-	-	-	0.529
HCM Control Delay (s)	7.6	0	-	-	18.7
HCM Lane LOS	A	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	3.1

Rural Peak Hour Signal Warrant
Intersection Meets Signal Warrant

Scenario: PM Existing
Intersection #: 3

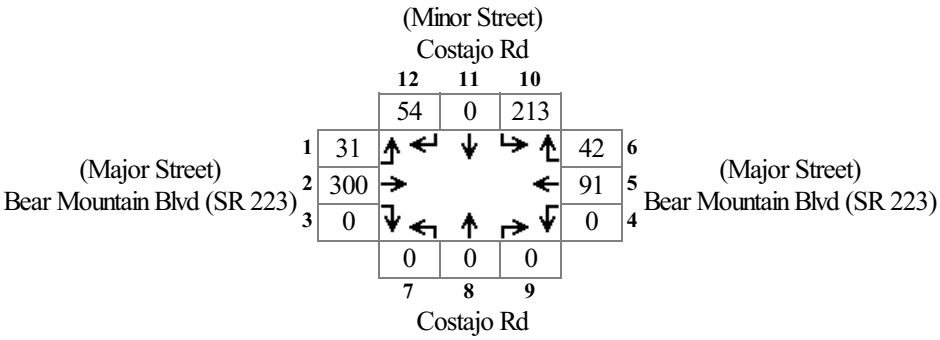


Major Total: 470
Minor High Volume: 266

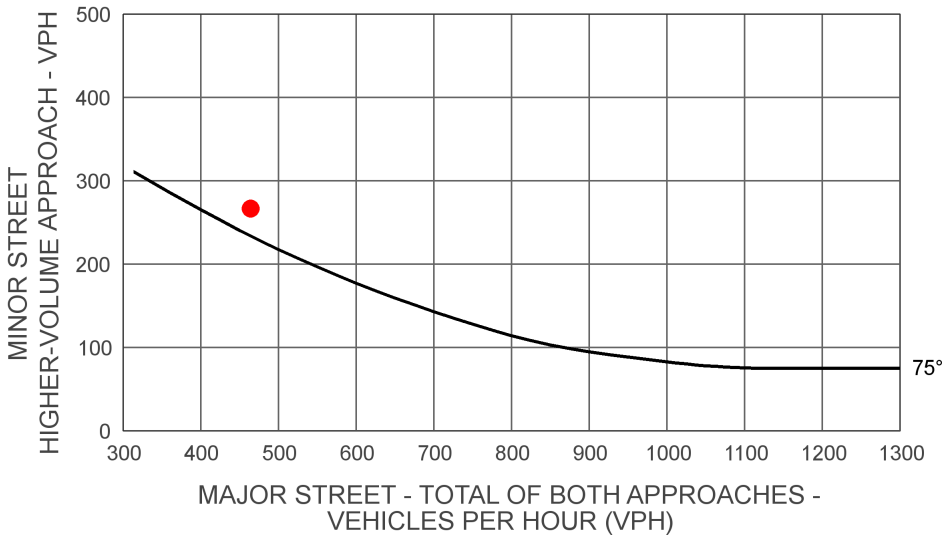


Rural Peak Hour Signal Warrant
Intersection Meets Signal Warrant

Scenario: PM Future
Intersection #: 3

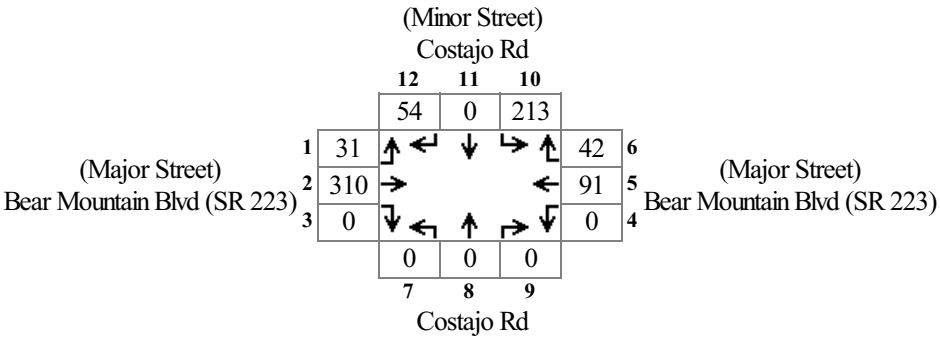


Major Total: 464
Minor High Volume: 267

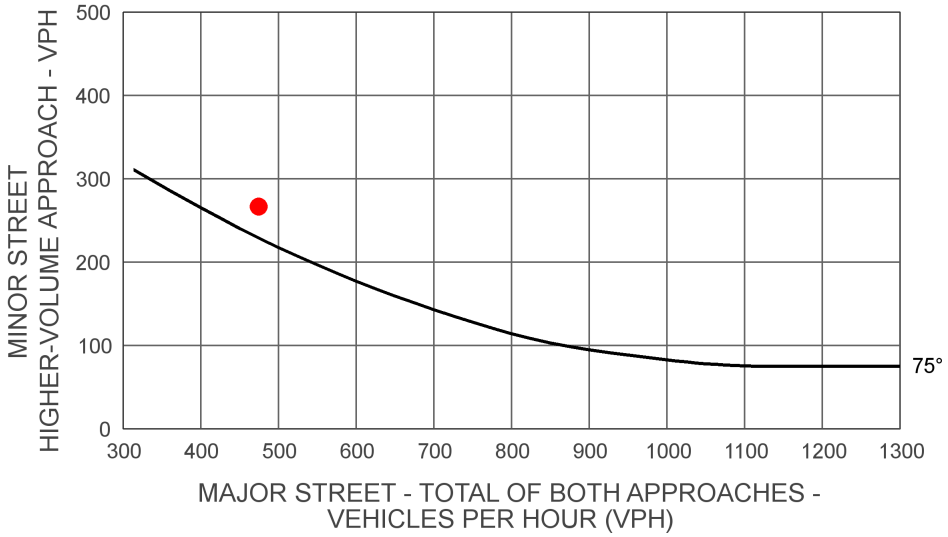


Rural Peak Hour Signal Warrant
Intersection Meets Signal Warrant

Scenario: PM Future+Project
Intersection #: 3



Major Total: 474
Minor High Volume: 267



Intersection 4
SR 99 NB On/Off Ramp & Bear Mountain Blvd (SR 223)

Intersection	
Int Delay, s/veh	3.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	288	50	200	96	11	4
Future Vol, veh/h	288	50	200	96	11	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	313	54	217	104	12	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	367	0	879	340
Stage 1	-	-	-	-	340	-
Stage 2	-	-	-	-	539	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1192	-	318	702
Stage 1	-	-	-	-	721	-
Stage 2	-	-	-	-	585	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1192	-	257	702
Mov Cap-2 Maneuver	-	-	-	-	257	-
Stage 1	-	-	-	-	721	-
Stage 2	-	-	-	-	472	-

Approach	EB	WB	NB
HCM Control Delay, s	0	5.9	17.2
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	257	702	-	-	1192	-
HCM Lane V/C Ratio	0.047	0.006	-	-	0.182	-
HCM Control Delay (s)	19.7	10.2	-	-	8.7	0
HCM Lane LOS	C	B	-	-	A	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0.7	-

Intersection	
Int Delay, s/veh	3.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	324	56	225	108	12	5
Future Vol, veh/h	324	56	225	108	12	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	352	61	245	117	13	5

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	413	0	990	383
Stage 1	-	-	-	-	383	-
Stage 2	-	-	-	-	607	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1146	-	273	664
Stage 1	-	-	-	-	689	-
Stage 2	-	-	-	-	544	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1146	-	210	664
Mov Cap-2 Maneuver	-	-	-	-	210	-
Stage 1	-	-	-	-	689	-
Stage 2	-	-	-	-	419	-

Approach	EB	WB	NB
HCM Control Delay, s	0	6.1	19.5
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	210	664	-	-	1146	-
HCM Lane V/C Ratio	0.062	0.008	-	-	0.213	-
HCM Control Delay (s)	23.3	10.5	-	-	9	0
HCM Lane LOS	C	B	-	-	A	A
HCM 95th %tile Q(veh)	0.2	0	-	-	0.8	-

Intersection	
Int Delay, s/veh	3.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	324	56	225	108	12	5
Future Vol, veh/h	324	56	225	108	12	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	352	61	245	117	13	5

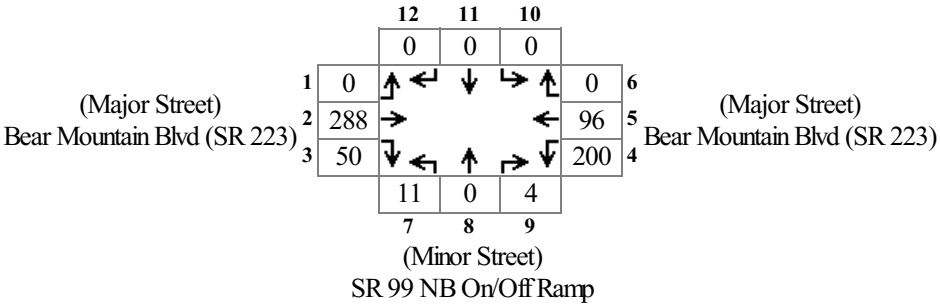
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	413	0	990	383
Stage 1	-	-	-	-	383	-
Stage 2	-	-	-	-	607	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1146	-	273	664
Stage 1	-	-	-	-	689	-
Stage 2	-	-	-	-	544	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1146	-	210	664
Mov Cap-2 Maneuver	-	-	-	-	210	-
Stage 1	-	-	-	-	689	-
Stage 2	-	-	-	-	419	-

Approach	EB	WB	NB
HCM Control Delay, s	0	6.1	19.5
HCM LOS			C

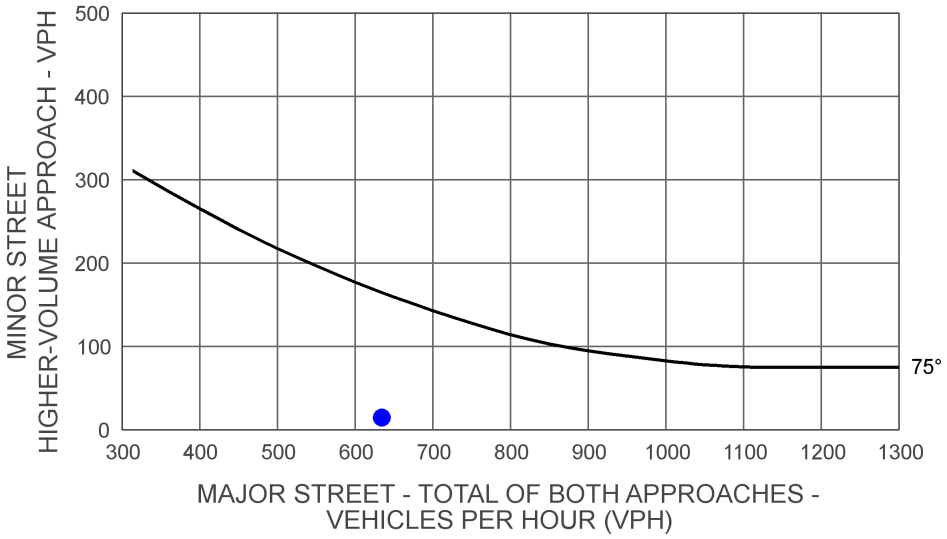
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	210	664	-	-	1146	-
HCM Lane V/C Ratio	0.062	0.008	-	-	0.213	-
HCM Control Delay (s)	23.3	10.5	-	-	9	0
HCM Lane LOS	C	B	-	-	A	A
HCM 95th %tile Q(veh)	0.2	0	-	-	0.8	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 4

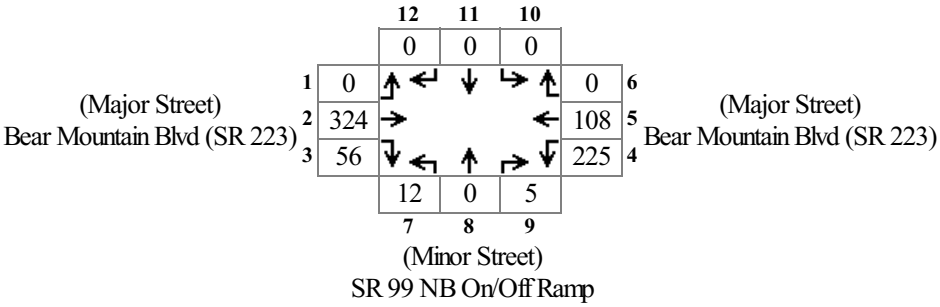


Major Total: 634
Minor High Volume: 15

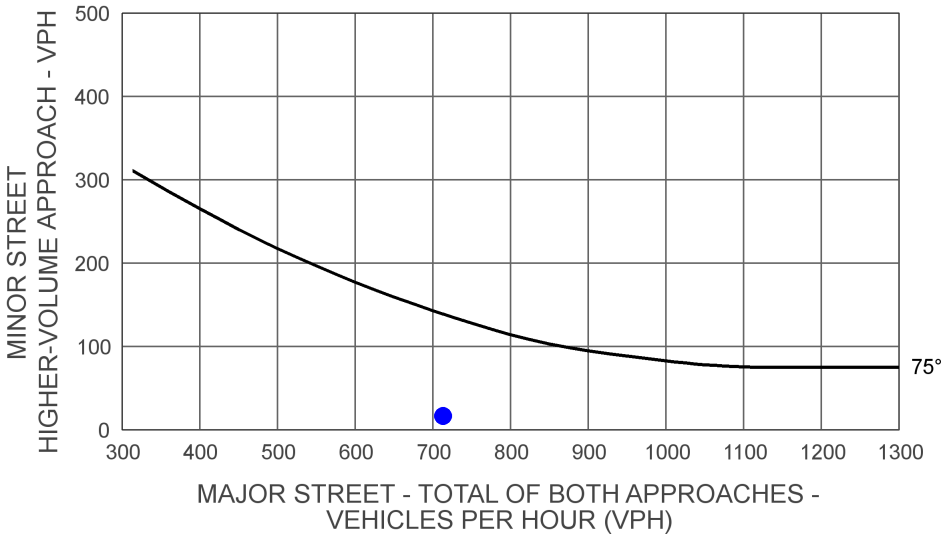


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 4

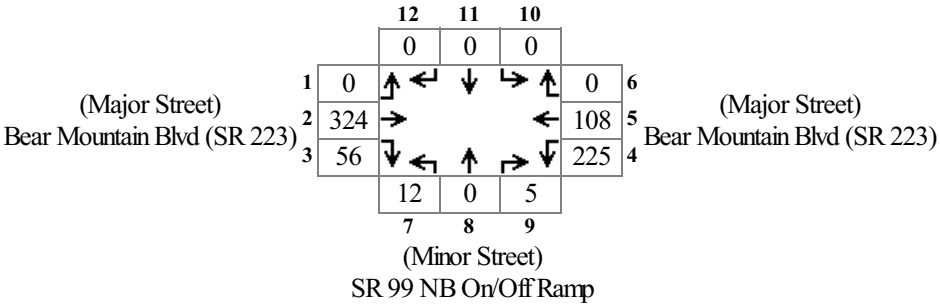


Major Total: 713
Minor High Volume: 17

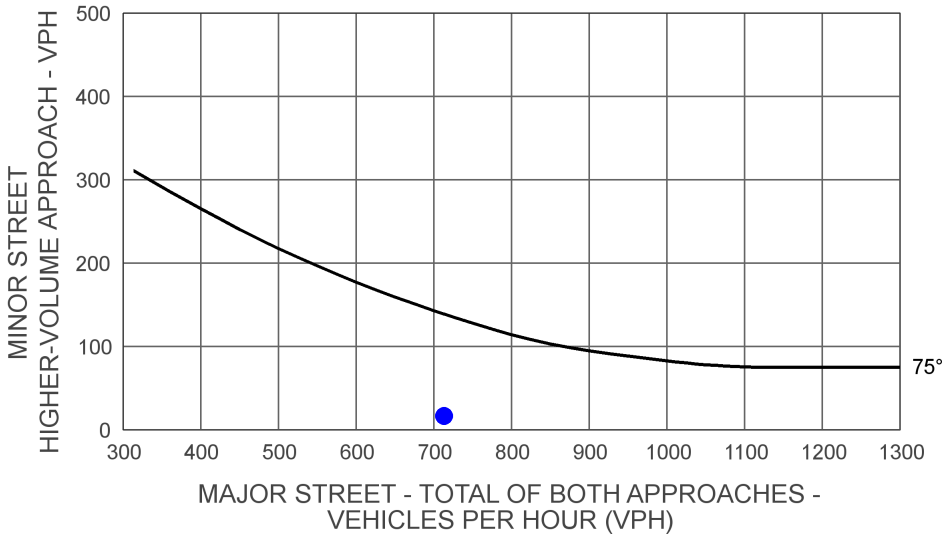


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 4



Major Total: 713
Minor High Volume: 17



Intersection	
Int Delay, s/veh	2.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	355	162	186	114	17	5
Future Vol, veh/h	355	162	186	114	17	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	386	176	202	124	18	5

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	562	0	1002	474
Stage 1	-	-	-	-	474	-
Stage 2	-	-	-	-	528	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1009	-	269	590
Stage 1	-	-	-	-	626	-
Stage 2	-	-	-	-	592	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1009	-	211	590
Mov Cap-2 Maneuver	-	-	-	-	211	-
Stage 1	-	-	-	-	626	-
Stage 2	-	-	-	-	465	-

Approach	EB	WB	NB
HCM Control Delay, s	0	5.9	20.9
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	211	590	-	-	1009	-
HCM Lane V/C Ratio	0.088	0.009	-	-	0.2	-
HCM Control Delay (s)	23.7	11.2	-	-	9.5	0
HCM Lane LOS	C	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	0	-	-	0.7	-

Intersection	
Int Delay, s/veh	2.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	357	163	187	115	17	5
Future Vol, veh/h	357	163	187	115	17	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	388	177	203	125	18	5

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	565	0	1009	477
Stage 1	-	-	-	-	477	-
Stage 2	-	-	-	-	532	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1007	-	266	588
Stage 1	-	-	-	-	624	-
Stage 2	-	-	-	-	589	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1007	-	208	588
Mov Cap-2 Maneuver	-	-	-	-	208	-
Stage 1	-	-	-	-	624	-
Stage 2	-	-	-	-	461	-

Approach	EB	WB	NB
HCM Control Delay, s	0	5.9	21.1
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	208	588	-	-	1007	-
HCM Lane V/C Ratio	0.089	0.009	-	-	0.202	-
HCM Control Delay (s)	24	11.2	-	-	9.5	0
HCM Lane LOS	C	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	0	-	-	0.8	-

Intersection	
Int Delay, s/veh	2.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	357	173	187	115	17	5
Future Vol, veh/h	357	173	187	115	17	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	388	188	203	125	18	5

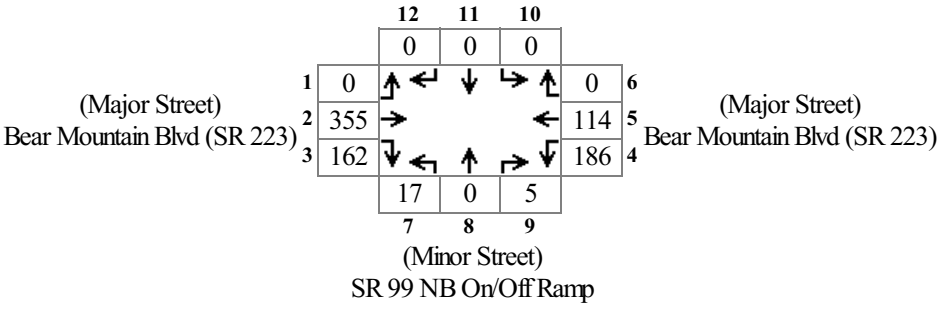
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	576	0	1014	482
Stage 1	-	-	-	-	482	-
Stage 2	-	-	-	-	532	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	997	-	264	584
Stage 1	-	-	-	-	621	-
Stage 2	-	-	-	-	589	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	997	-	206	584
Mov Cap-2 Maneuver	-	-	-	-	206	-
Stage 1	-	-	-	-	621	-
Stage 2	-	-	-	-	460	-

Approach	EB	WB	NB
HCM Control Delay, s	0	5.9	21.2
HCM LOS			C

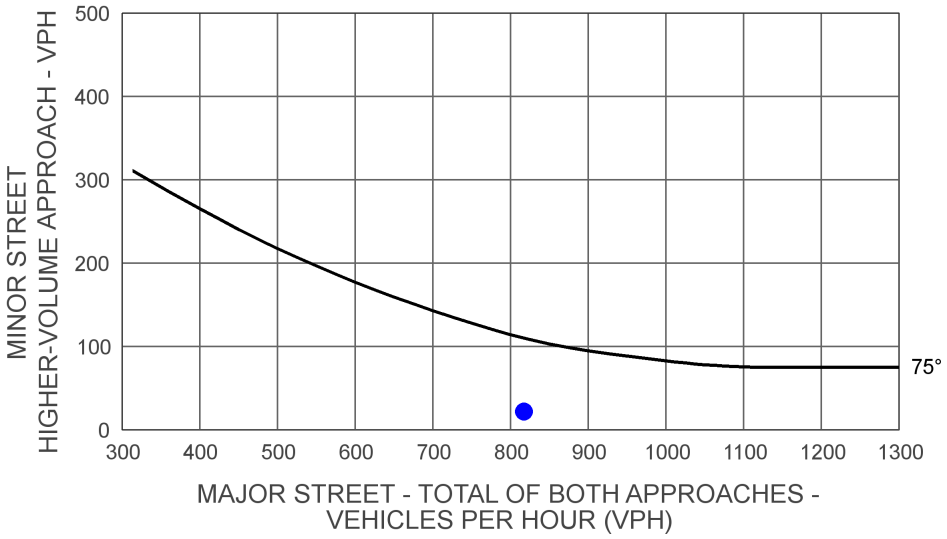
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	206	584	-	-	997	-
HCM Lane V/C Ratio	0.09	0.009	-	-	0.204	-
HCM Control Delay (s)	24.2	11.2	-	-	9.5	0
HCM Lane LOS	C	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	0	-	-	0.8	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 4

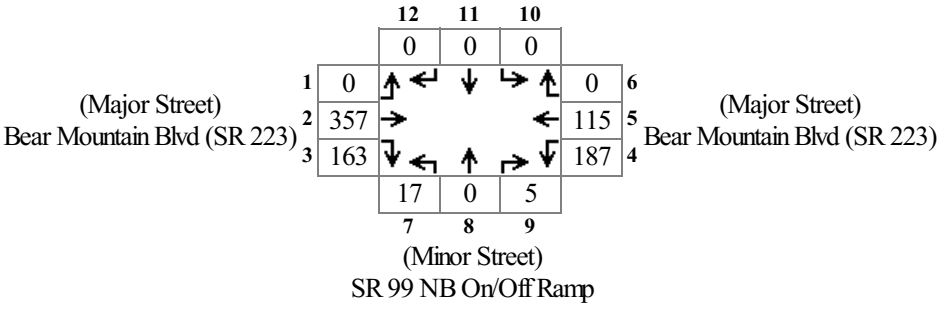


Major Total: 817
Minor High Volume: 22

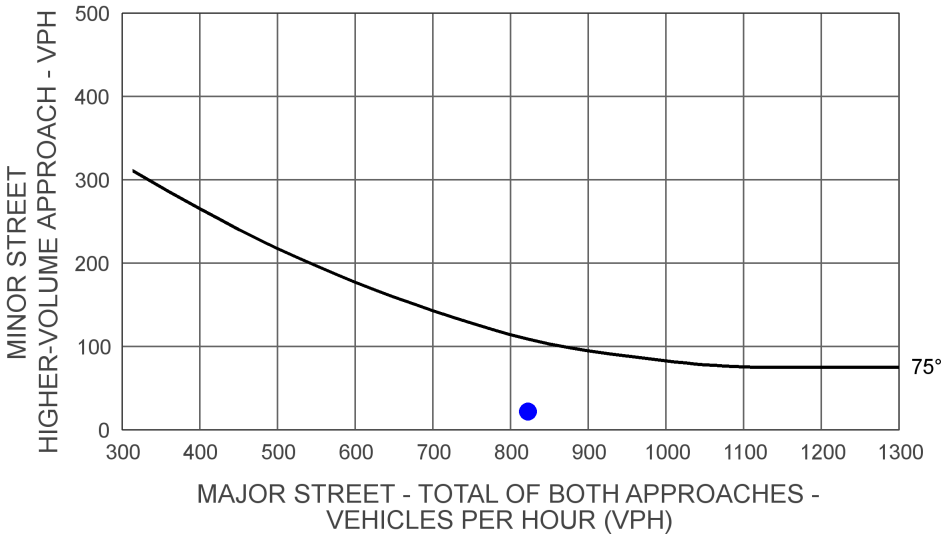


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 4

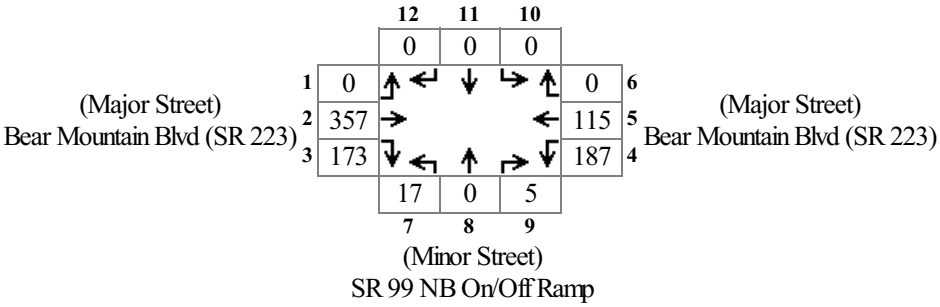


Major Total: 822
Minor High Volume: 22

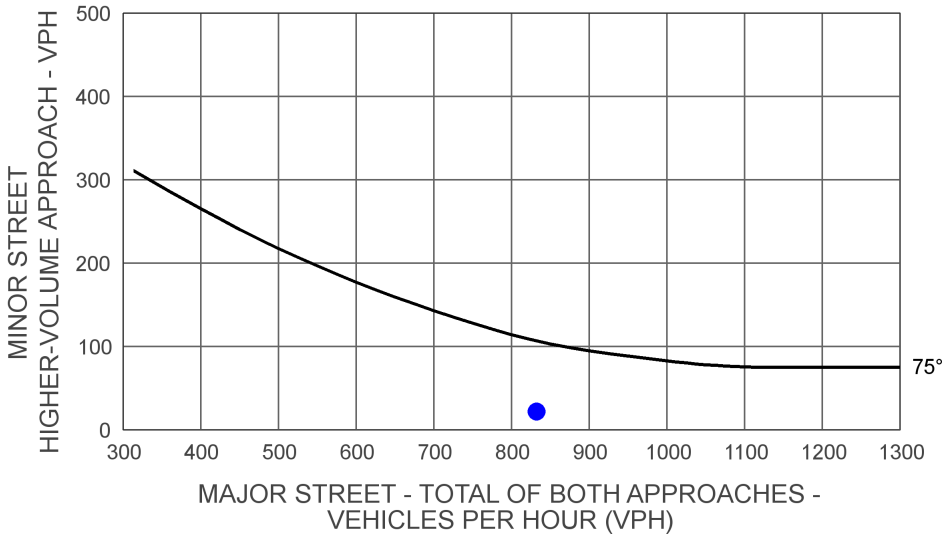


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 4



Major Total: 832
Minor High Volume: 22



Intersection 5
Old River Rd & I-5 NB

Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	0	0	1	0	26	5	65	0	0	133	1
Future Vol, veh/h	0	0	0	1	0	26	5	65	0	0	133	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	0	-	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	1	0	28	5	71	0	0	145	1

Major/Minor	Minor1			Major1			Major2		
Conflicting Flow All	227	228	71	146	0	0	71	0	0
Stage 1	82	82	-	-	-	-	-	-	-
Stage 2	145	146	-	-	-	-	-	-	-
Critical Hdwy	6.42	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	5.42	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.42	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	761	671	991	1436	-	-	1529	-	-
Stage 1	941	827	-	-	-	-	-	-	-
Stage 2	882	776	-	-	-	-	-	-	-
Platoon blocked, %					-	-		-	-
Mov Cap-1 Maneuver	758	0	991	1436	-	-	1529	-	-
Mov Cap-2 Maneuver	758	0	-	-	-	-	-	-	-
Stage 1	937	0	-	-	-	-	-	-	-
Stage 2	882	0	-	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.7	0.5	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1436	-	-	758	991	1529	-	-
HCM Lane V/C Ratio	0.004	-	-	0.001	0.029	-	-	-
HCM Control Delay (s)	7.5	0	-	9.8	8.7	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0	0.1	0	-	-

Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	0	0	1	0	29	6	73	0	0	150	1
Future Vol, veh/h	0	0	0	1	0	29	6	73	0	0	150	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	0	-	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	1	0	32	7	79	0	0	163	1

Major/Minor	Minor1			Major1			Major2		
Conflicting Flow All	256	256	79	164	0	0	79	0	0
Stage 1	92	92	-	-	-	-	-	-	-
Stage 2	164	164	-	-	-	-	-	-	-
Critical Hdwy	6.42	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	5.42	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.42	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	733	648	981	1414	-	-	1519	-	-
Stage 1	932	819	-	-	-	-	-	-	-
Stage 2	865	762	-	-	-	-	-	-	-
Platoon blocked, %					-	-		-	-
Mov Cap-1 Maneuver	729	0	981	1414	-	-	1519	-	-
Mov Cap-2 Maneuver	729	0	-	-	-	-	-	-	-
Stage 1	927	0	-	-	-	-	-	-	-
Stage 2	865	0	-	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.8	0.6	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1414	-	-	729	981	1519	-	-
HCM Lane V/C Ratio	0.005	-	-	0.001	0.032	-	-	-
HCM Control Delay (s)	7.6	0	-	9.9	8.8	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0	0.1	0	-	-

Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	0	0	1	0	29	6	73	0	0	157	1
Future Vol, veh/h	0	0	0	1	0	29	6	73	0	0	157	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	0	-	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	1	0	32	7	79	0	0	171	1

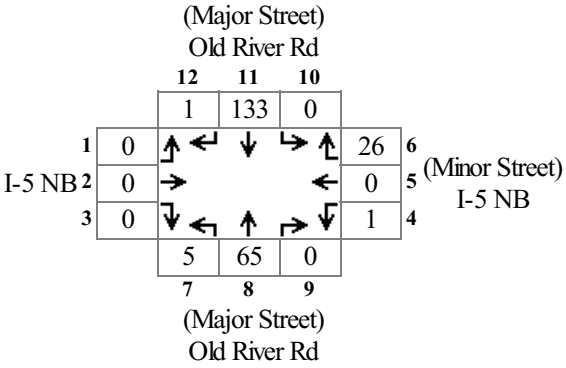
Major/Minor	Minor1			Major1			Major2		
Conflicting Flow All	263	264	79	172	0	0	79	0	0
Stage 1	92	92	-	-	-	-	-	-	-
Stage 2	171	172	-	-	-	-	-	-	-
Critical Hdwy	6.42	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	5.42	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.42	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	726	641	981	1405	-	-	1519	-	-
Stage 1	932	819	-	-	-	-	-	-	-
Stage 2	859	756	-	-	-	-	-	-	-
Platoon blocked, %					-	-		-	-
Mov Cap-1 Maneuver	722	0	981	1405	-	-	1519	-	-
Mov Cap-2 Maneuver	722	0	-	-	-	-	-	-	-
Stage 1	927	0	-	-	-	-	-	-	-
Stage 2	859	0	-	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.8	0.6	0
HCM LOS	A		

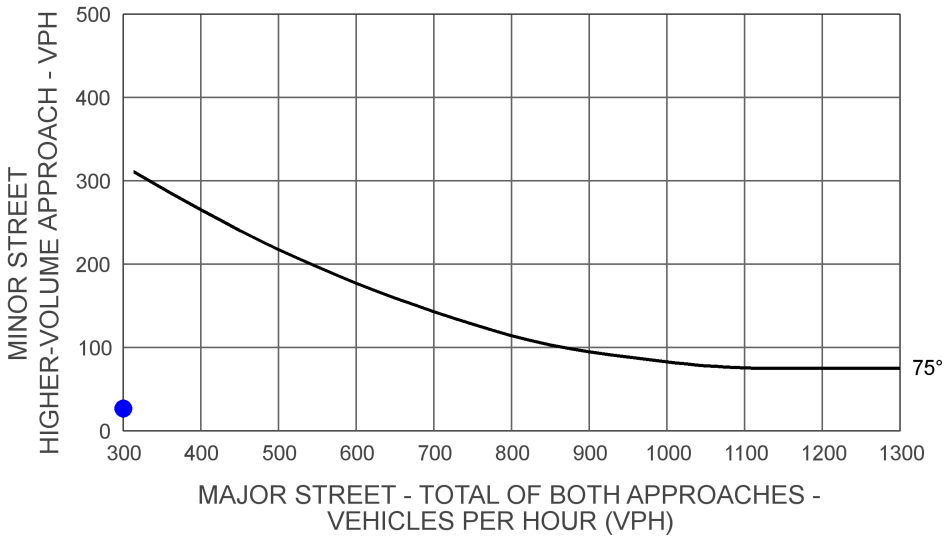
Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1405	-	-	722	981	1519	-	-
HCM Lane V/C Ratio	0.005	-	-	0.002	0.032	-	-	-
HCM Control Delay (s)	7.6	0	-	10	8.8	0	-	-
HCM Lane LOS	A	A	-	B	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	0	0.1	0	-	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 5

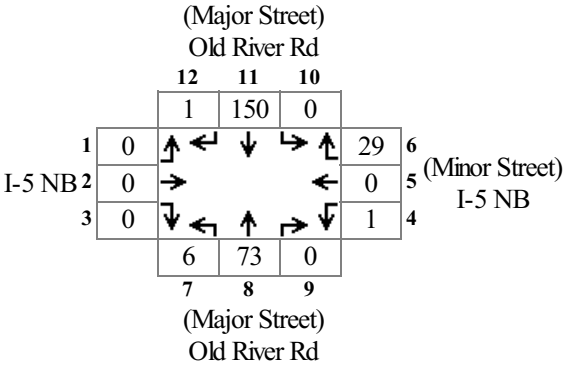


Major Total: 204
Minor High Volume: 27

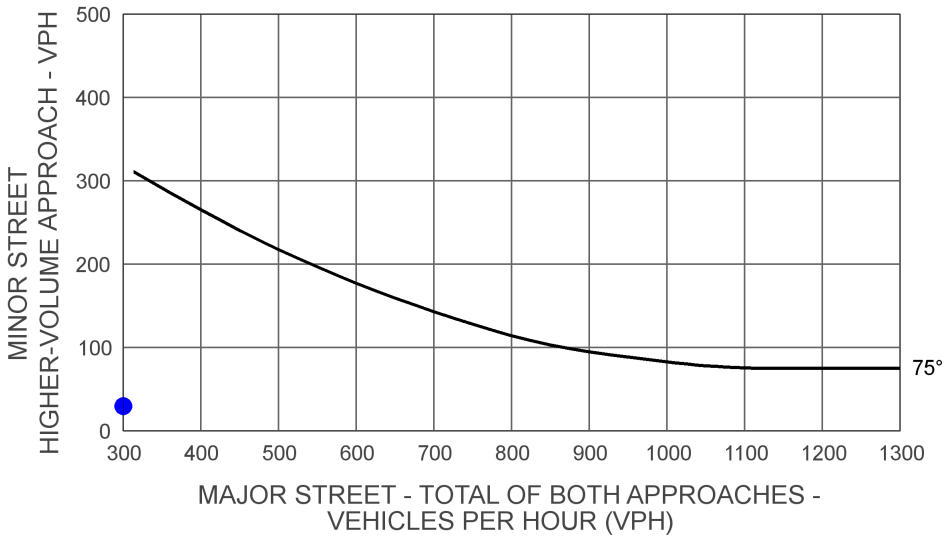


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 5

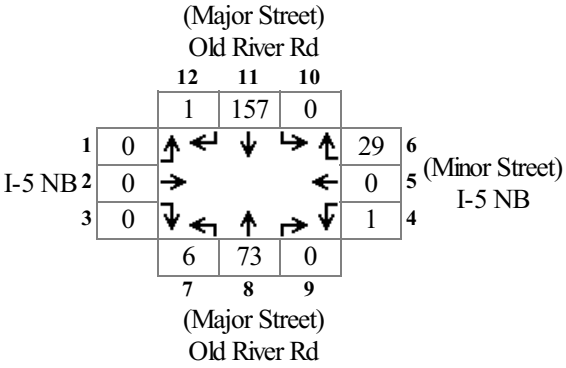


Major Total: 230
Minor High Volume: 30

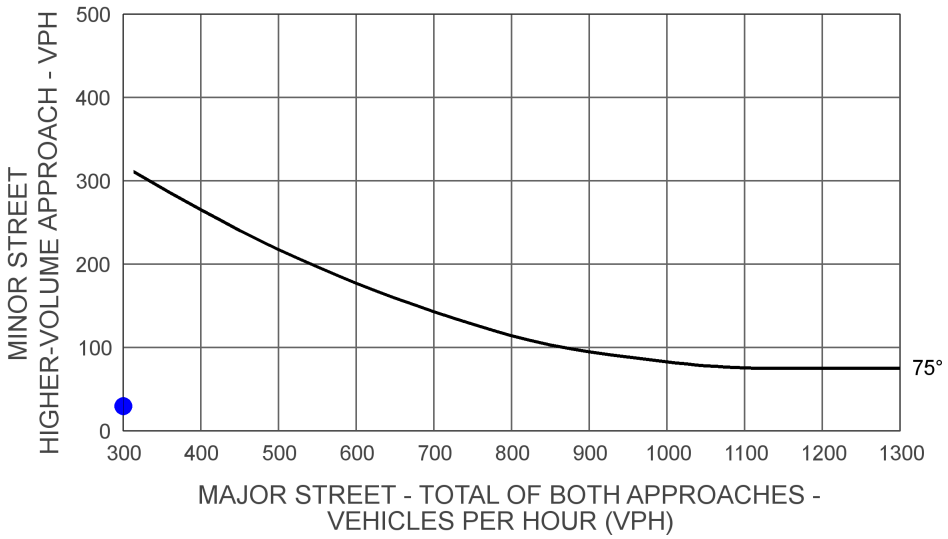


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 5



Major Total: 237
Minor High Volume: 30



Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	0	0	0	0	72	19	174	1	0	63	4
Future Vol, veh/h	0	0	0	0	0	72	19	174	1	0	63	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	0	-	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	0	0	78	21	189	1	0	68	4

Major/Minor	Minor1			Major1			Major2		
Conflicting Flow All	302	304	190	73	0	0	190	0	0
Stage 1	231	231	-	-	-	-	-	-	-
Stage 2	71	73	-	-	-	-	-	-	-
Critical Hdwy	6.42	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	5.42	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.42	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	690	609	852	1527	-	-	1384	-	-
Stage 1	807	713	-	-	-	-	-	-	-
Stage 2	952	834	-	-	-	-	-	-	-
Platoon blocked, %					-	-		-	-
Mov Cap-1 Maneuver	680	0	852	1527	-	-	1384	-	-
Mov Cap-2 Maneuver	680	0	-	-	-	-	-	-	-
Stage 1	795	0	-	-	-	-	-	-	-
Stage 2	952	0	-	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.7	0.7	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1527	-	-	-	852	1384	-	-
HCM Lane V/C Ratio	0.014	-	-	-	0.092	-	-	-
HCM Control Delay (s)	7.4	0	-	0	9.7	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	0.3	0	-	-

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	0	0	0	0	80	21	194	1	0	70	4
Future Vol, veh/h	0	0	0	0	0	80	21	194	1	0	70	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	0	-	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	0	0	87	23	211	1	0	76	4

Major/Minor	Minor1			Major1			Major2		
Conflicting Flow All	335	337	211	80	0	0	212	0	0
Stage 1	257	257	-	-	-	-	-	-	-
Stage 2	78	80	-	-	-	-	-	-	-
Critical Hdwy	6.42	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	5.42	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.42	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	660	584	829	1518	-	-	1358	-	-
Stage 1	786	695	-	-	-	-	-	-	-
Stage 2	945	828	-	-	-	-	-	-	-
Platoon blocked, %					-	-		-	-
Mov Cap-1 Maneuver	649	0	829	1518	-	-	1358	-	-
Mov Cap-2 Maneuver	649	0	-	-	-	-	-	-	-
Stage 1	773	0	-	-	-	-	-	-	-
Stage 2	945	0	-	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.9	0.7	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1518	-	-	-	829	1358	-	-
HCM Lane V/C Ratio	0.015	-	-	-	0.105	-	-	-
HCM Control Delay (s)	7.4	0	-	0	9.9	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	0.3	0	-	-

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	0	0	0	0	80	22	201	1	0	70	4
Future Vol, veh/h	0	0	0	0	0	80	22	201	1	0	70	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	0	-	-	-	0	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	0	0	87	24	218	1	0	76	4

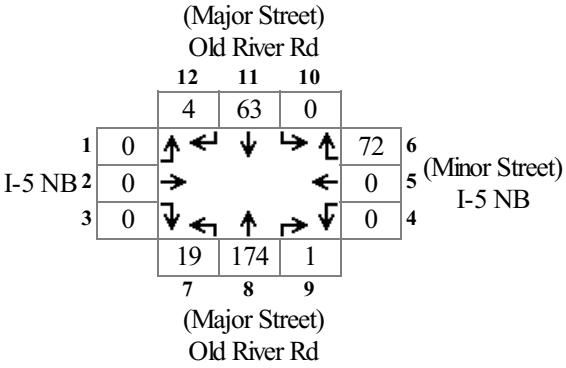
Major/Minor	Minor1			Major1			Major2		
Conflicting Flow All	345	347	219	80	0	0	220	0	0
Stage 1	267	267	-	-	-	-	-	-	-
Stage 2	78	80	-	-	-	-	-	-	-
Critical Hdwy	6.42	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	5.42	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.42	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	652	576	821	1518	-	-	1349	-	-
Stage 1	778	688	-	-	-	-	-	-	-
Stage 2	945	828	-	-	-	-	-	-	-
Platoon blocked, %					-	-		-	-
Mov Cap-1 Maneuver	640	0	821	1518	-	-	1349	-	-
Mov Cap-2 Maneuver	640	0	-	-	-	-	-	-	-
Stage 1	764	0	-	-	-	-	-	-	-
Stage 2	945	0	-	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.9	0.7	0
HCM LOS	A		

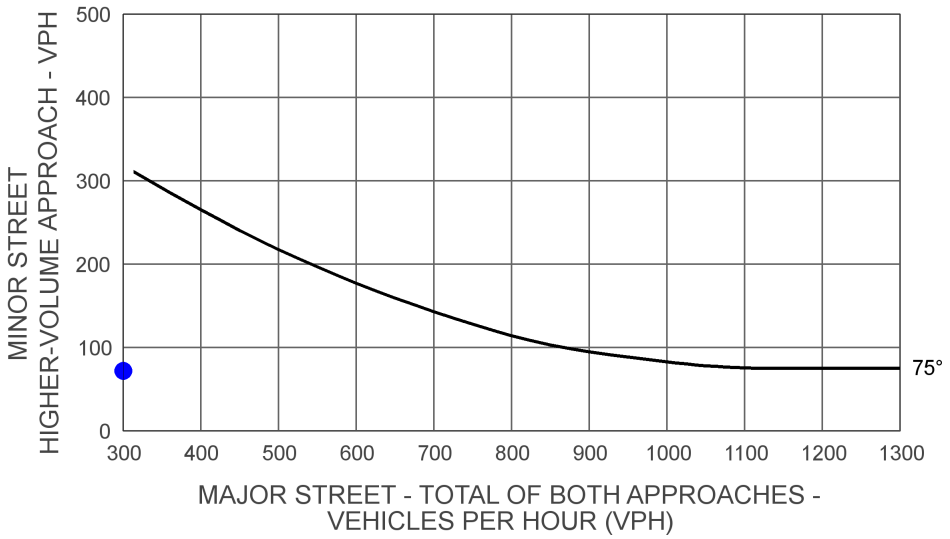
Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1518	-	-	-	821	1349	-	-
HCM Lane V/C Ratio	0.016	-	-	-	0.106	-	-	-
HCM Control Delay (s)	7.4	0	-	0	9.9	0	-	-
HCM Lane LOS	A	A	-	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	-	-	0.4	0	-	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 5

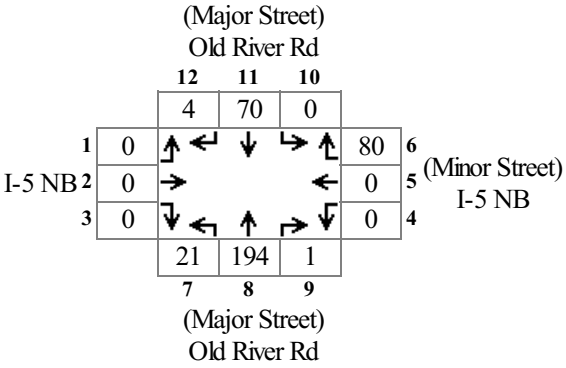


Major Total: 261
Minor High Volume: 72

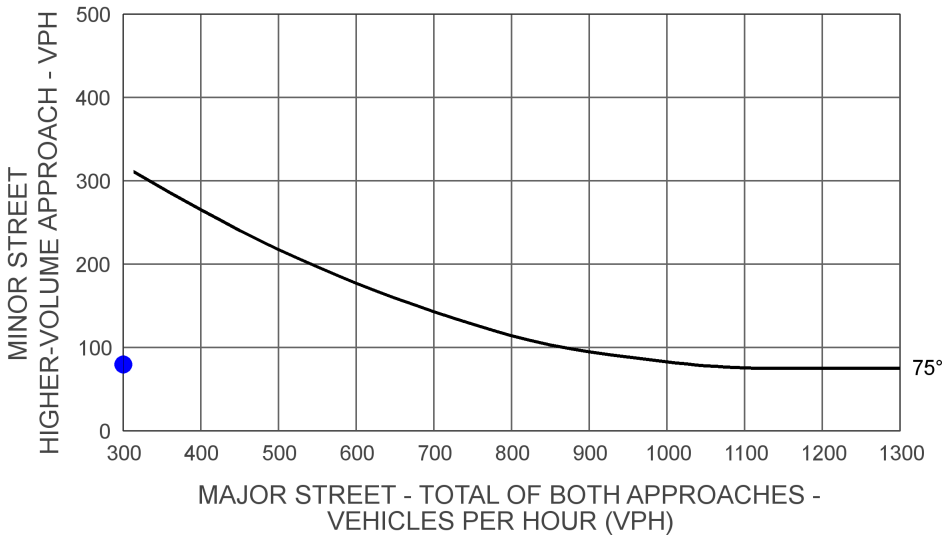


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 5

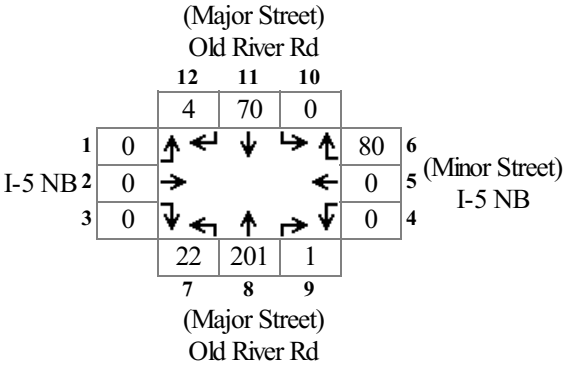


Major Total: 290
Minor High Volume: 80

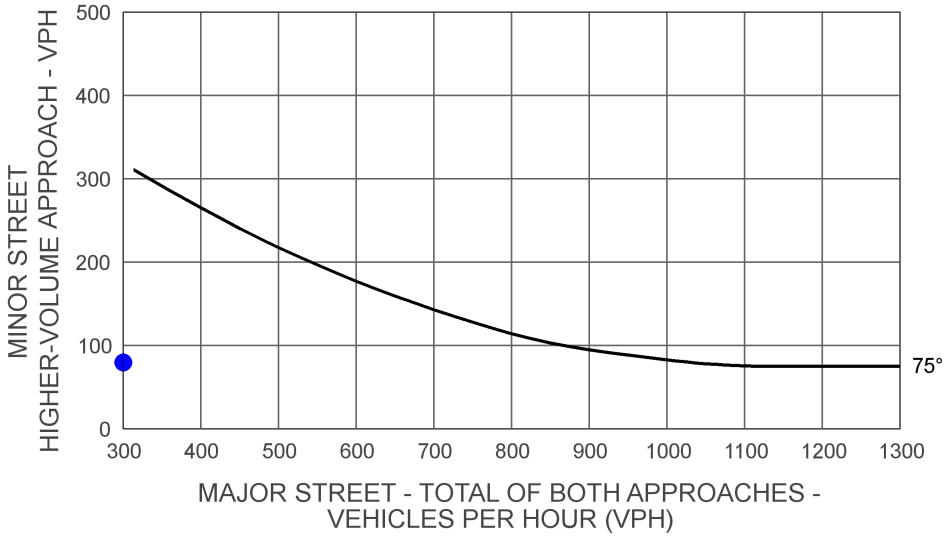


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 5



Major Total: 298
Minor High Volume: 80



Intersection 6
Old River Rd & I-5 SB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	4	1	19	0	0	0	0	56	0	48	89	0
Future Volume (veh/h)	4	1	19	0	0	0	0	56	0	48	89	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1750	1863	1716				0	1863	1750	1750	1863	0
Adj Flow Rate, veh/h	4	1	21				0	61	0	52	97	0
Adj No. of Lanes	0	1	1				0	1	0	0	1	0
Peak Hour Factor	0.92	0.92	0.92				0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	36	9	37				0	1443	0	511	900	0
Arrive On Green	0.03	0.03	0.03				0.00	0.77	0.00	0.77	0.77	0.00
Sat Flow, veh/h	1433	358	1458				0	1863	0	503	1162	0
Grp Volume(v), veh/h	5	0	21				0	61	0	149	0	0
Grp Sat Flow(s),veh/h/ln	1791	0	1458				0	1863	0	1665	0	0
Q Serve(g_s), s	0.1	0.0	0.6				0.0	0.3	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.1	0.0	0.6				0.0	0.3	0.0	0.8	0.0	0.0
Prop In Lane	0.80		1.00				0.00		0.00	0.35		0.00
Lane Grp Cap(c), veh/h	45	0	37				0	1443	0	1411	0	0
V/C Ratio(X)	0.11	0.00	0.57				0.00	0.04	0.00	0.11	0.00	0.00
Avail Cap(c_a), veh/h	716	0	583				0	1443	0	1411	0	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	19.1	0.0	19.3				0.0	1.0	0.0	1.1	0.0	0.0
Incr Delay (d2), s/veh	1.1	0.0	13.4				0.0	0.1	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.4				0.0	0.2	0.0	0.4	0.0	0.0
LnGrp Delay(d),s/veh	20.1	0.0	32.7				0.0	1.1	0.0	1.3	0.0	0.0
LnGrp LOS	C		C					A		A		
Approach Vol, veh/h		26						61			149	
Approach Delay, s/veh		30.3						1.1			1.3	
Approach LOS		C						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		35.0		5.0		35.0		
Change Period (Y+Rc), s		4.0		4.0		4.0		
Max Green Setting (Gmax), s		16.0		16.0		16.0		
Max Q Clear Time (g_c+I1), s		2.3		2.6		2.8		
Green Ext Time (p_c), s		0.5		0.0		0.5		

Intersection Summary	
HCM 2010 Ctrl Delay	4.4
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	1	21	0	0	0	0	63	0	54	100	0
Future Volume (veh/h)	5	1	21	0	0	0	0	63	0	54	100	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1750	1863	1716				0	1863	1750	1750	1863	0
Adj Flow Rate, veh/h	5	1	23				0	68	0	59	109	0
Adj No. of Lanes	0	1	1				0	1	0	0	1	0
Peak Hour Factor	0.92	0.92	0.92				0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	46	9	45				0	602	0	536	402	0
Arrive On Green	0.03	0.03	0.03				0.00	0.32	0.00	0.32	0.32	0.00
Sat Flow, veh/h	1490	298	1458				0	1863	0	442	1243	0
Grp Volume(v), veh/h	6	0	23				0	68	0	168	0	0
Grp Sat Flow(s),veh/h/ln	1788	0	1458				0	1863	0	1685	0	0
Q Serve(g_s), s	0.0	0.0	0.2				0.0	0.3	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.2				0.0	0.3	0.0	0.8	0.0	0.0
Prop In Lane	0.83		1.00				0.00		0.00	0.35		0.00
Lane Grp Cap(c), veh/h	55	0	45				0	602	0	937	0	0
V/C Ratio(X)	0.11	0.00	0.51				0.00	0.11	0.00	0.18	0.00	0.00
Avail Cap(c_a), veh/h	4045	0	3298				0	8727	0	8055	0	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	5.8	0.0	5.9				0.0	2.9	0.0	3.1	0.0	0.0
Incr Delay (d2), s/veh	0.9	0.0	8.8				0.0	0.1	0.0	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.2				0.0	0.2	0.0	0.4	0.0	0.0
LnGrp Delay(d),s/veh	6.7	0.0	14.8				0.0	3.0	0.0	3.2	0.0	0.0
LnGrp LOS	A		B					A		A		
Approach Vol, veh/h		29						68			168	
Approach Delay, s/veh		13.1						3.0			3.2	
Approach LOS		B						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		8.0		4.4		8.0		
Change Period (Y+Rc), s		4.0		4.0		4.0		
Max Green Setting (Gmax), s		58.0		28.0		58.0		
Max Q Clear Time (g_c+I1), s		2.3		2.2		2.8		
Green Ext Time (p_c), s		0.8		0.1		0.8		

Intersection Summary	
HCM 2010 Ctrl Delay	4.2
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	1	22	0	0	0	0	63	0	54	107	0
Future Volume (veh/h)	5	1	22	0	0	0	0	63	0	54	107	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1750	1863	1716				0	1863	1750	1750	1863	0
Adj Flow Rate, veh/h	5	1	24				0	68	0	59	116	0
Adj No. of Lanes	0	1	1				0	1	0	0	1	0
Peak Hour Factor	0.92	0.92	0.92				0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	47	9	46				0	601	0	526	408	0
Arrive On Green	0.03	0.03	0.03				0.00	0.32	0.00	0.32	0.32	0.00
Sat Flow, veh/h	1490	298	1458				0	1863	0	426	1265	0
Grp Volume(v), veh/h	6	0	24				0	68	0	175	0	0
Grp Sat Flow(s),veh/h/ln	1788	0	1458				0	1863	0	1691	0	0
Q Serve(g_s), s	0.0	0.0	0.2				0.0	0.3	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.2				0.0	0.3	0.0	0.9	0.0	0.0
Prop In Lane	0.83		1.00				0.00		0.00	0.34		0.00
Lane Grp Cap(c), veh/h	57	0	46				0	601	0	934	0	0
V/C Ratio(X)	0.11	0.00	0.52				0.00	0.11	0.00	0.19	0.00	0.00
Avail Cap(c_a), veh/h	3752	0	3060				0	8718	0	8080	0	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	5.8	0.0	5.9				0.0	2.9	0.0	3.1	0.0	0.0
Incr Delay (d2), s/veh	0.8	0.0	8.8				0.0	0.1	0.0	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.2				0.0	0.2	0.0	0.5	0.0	0.0
LnGrp Delay(d),s/veh	6.6	0.0	14.7				0.0	3.0	0.0	3.2	0.0	0.0
LnGrp LOS	A		B					A		A		
Approach Vol, veh/h		30						68			175	
Approach Delay, s/veh		13.1						3.0			3.2	
Approach LOS		B						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		8.0		4.4		8.0		
Change Period (Y+Rc), s		4.0		4.0		4.0		
Max Green Setting (Gmax), s		58.0		26.0		58.0		
Max Q Clear Time (g_c+I1), s		2.3		2.2		2.9		
Green Ext Time (p_c), s		0.8		0.1		0.8		

Intersection Summary	
HCM 2010 Ctrl Delay	4.3
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	2	0	4	0	0	0	0	186	1	22	40	0
Future Volume (veh/h)	2	0	4	0	0	0	0	186	1	22	40	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1750	1863	1716				0	1863	1750	1750	1863	0
Adj Flow Rate, veh/h	2	0	4				0	202	1	24	43	0
Adj No. of Lanes	0	1	1				0	1	0	0	1	0
Peak Hour Factor	0.92	0.92	0.92				0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	11	0	9				0	1470	7	510	862	0
Arrive On Green	0.01	0.00	0.01				0.00	0.79	0.79	0.79	0.79	0.00
Sat Flow, veh/h	1774	0	1458				0	1852	9	489	1087	0
Grp Volume(v), veh/h	2	0	4				0	0	203	67	0	0
Grp Sat Flow(s),veh/h/ln	1774	0	1458				0	0	1861	1576	0	0
Q Serve(g_s), s	0.0	0.0	0.1				0.0	0.0	1.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.1				0.0	0.0	1.0	0.3	0.0	0.0
Prop In Lane	1.00		1.00				0.00		0.00	0.36		0.00
Lane Grp Cap(c), veh/h	11	0	9				0	0	1477	1373	0	0
V/C Ratio(X)	0.17	0.00	0.43				0.00	0.00	0.14	0.05	0.00	0.00
Avail Cap(c_a), veh/h	710	0	583				0	0	1477	1373	0	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	19.8	0.0	19.8				0.0	0.0	1.0	0.9	0.0	0.0
Incr Delay (d2), s/veh	7.1	0.0	27.6				0.0	0.0	0.2	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1				0.0	0.0	0.6	0.2	0.0	0.0
LnGrp Delay(d),s/veh	26.8	0.0	47.4				0.0	0.0	1.2	1.0	0.0	0.0
LnGrp LOS	C		D						A	A		
Approach Vol, veh/h		6						203			67	
Approach Delay, s/veh		40.6						1.2			1.0	
Approach LOS		D						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		35.7		4.3		35.7		
Change Period (Y+Rc), s		4.0		4.0		4.0		
Max Green Setting (Gmax), s		16.0		16.0		16.0		
Max Q Clear Time (g_c+I1), s		3.0		2.1		2.3		
Green Ext Time (p_c), s		0.7		0.0		0.7		

Intersection Summary	
HCM 2010 Ctrl Delay	2.0
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	2	0	4	0	0	0	0	202	1	24	43	0
Future Volume (veh/h)	2	0	4	0	0	0	0	202	1	24	43	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1750	1863	1716				0	1863	1750	1750	1863	0
Adj Flow Rate, veh/h	2	0	4				0	220	1	26	47	0
Adj No. of Lanes	0	1	1				0	1	0	0	1	0
Peak Hour Factor	0.92	0.92	0.92				0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	15	0	12				0	625	3	521	434	0
Arrive On Green	0.01	0.00	0.01				0.00	0.34	0.34	0.34	0.34	0.00
Sat Flow, veh/h	1774	0	1458				0	1853	8	358	1286	0
Grp Volume(v), veh/h	2	0	4				0	0	221	73	0	0
Grp Sat Flow(s),veh/h/ln	1774	0	1458				0	0	1861	1644	0	0
Q Serve(g_s), s	0.0	0.0	0.0				0.0	0.0	1.1	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0				0.0	0.0	1.1	0.3	0.0	0.0
Prop In Lane	1.00		1.00				0.00		0.00	0.36		0.00
Lane Grp Cap(c), veh/h	15	0	12				0	0	628	955	0	0
V/C Ratio(X)	0.14	0.00	0.33				0.00	0.00	0.35	0.08	0.00	0.00
Avail Cap(c_a), veh/h	3201	0	2631				0	0	11143	9594	0	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	6.0	0.0	6.0				0.0	0.0	3.0	2.8	0.0	0.0
Incr Delay (d2), s/veh	4.2	0.0	15.5				0.0	0.0	0.3	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1				0.0	0.0	0.6	0.2	0.0	0.0
LnGrp Delay(d),s/veh	10.2	0.0	21.6				0.0	0.0	3.4	2.8	0.0	0.0
LnGrp LOS	B		C						A	A		
Approach Vol, veh/h		6						221			73	
Approach Delay, s/veh		17.8						3.4			2.8	
Approach LOS		B						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		8.1		4.1		8.1		
Change Period (Y+Rc), s		4.0		4.0		4.0		
Max Green Setting (Gmax), s		73.0		22.0		73.0		
Max Q Clear Time (g_c+I1), s		3.1		2.0		2.3		
Green Ext Time (p_c), s		1.0		0.0		1.0		

Intersection Summary	
HCM 2010 Ctrl Delay	3.5
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	2	0	4	0	0	0	0	210	1	24	43	0
Future Volume (veh/h)	2	0	4	0	0	0	0	210	1	24	43	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1750	1863	1716				0	1863	1750	1750	1863	0
Adj Flow Rate, veh/h	2	0	4				0	228	1	26	47	0
Adj No. of Lanes	0	1	1				0	1	0	0	1	0
Peak Hour Factor	0.92	0.92	0.92				0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	14	0	12				0	633	3	518	441	0
Arrive On Green	0.01	0.00	0.01				0.00	0.34	0.34	0.34	0.34	0.00
Sat Flow, veh/h	1774	0	1458				0	1853	8	352	1291	0
Grp Volume(v), veh/h	2	0	4				0	0	229	73	0	0
Grp Sat Flow(s),veh/h/ln	1774	0	1458				0	0	1861	1643	0	0
Q Serve(g_s), s	0.0	0.0	0.0				0.0	0.0	1.1	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0				0.0	0.0	1.1	0.3	0.0	0.0
Prop In Lane	1.00		1.00				0.00		0.00	0.36		0.00
Lane Grp Cap(c), veh/h	14	0	12				0	0	635	959	0	0
V/C Ratio(X)	0.14	0.00	0.34				0.00	0.00	0.36	0.08	0.00	0.00
Avail Cap(c_a), veh/h	2892	0	2377				0	0	1289	4109	95	0	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	6.1	0.0	6.1				0.0	0.0	3.0	2.8	0.0	0.0
Incr Delay (d2), s/veh	4.3	0.0	15.8				0.0	0.0	0.3	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1				0.0	0.0	0.6	0.2	0.0	0.0
LnGrp Delay(d),s/veh	10.3	0.0	21.8				0.0	0.0	3.4	2.8	0.0	0.0
LnGrp LOS	B		C						A	A		
Approach Vol, veh/h		6						229			73	
Approach Delay, s/veh		18.0						3.4			2.8	
Approach LOS		B						A			A	

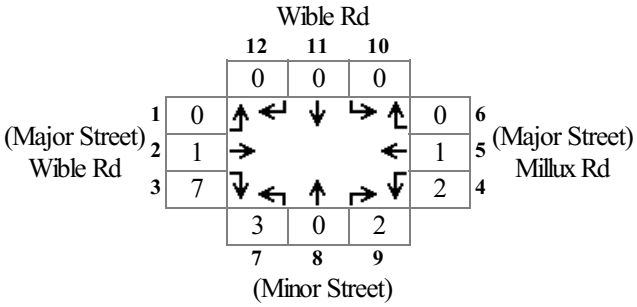
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		8.2		4.1		8.2		
Change Period (Y+Rc), s		4.0		4.0		4.0		
Max Green Setting (Gmax), s		85.0		20.0		85.0		
Max Q Clear Time (g_c+I1), s		3.1		2.0		2.3		
Green Ext Time (p_c), s		1.1		0.0		1.1		

Intersection Summary	
HCM 2010 Ctrl Delay	3.5
HCM 2010 LOS	A

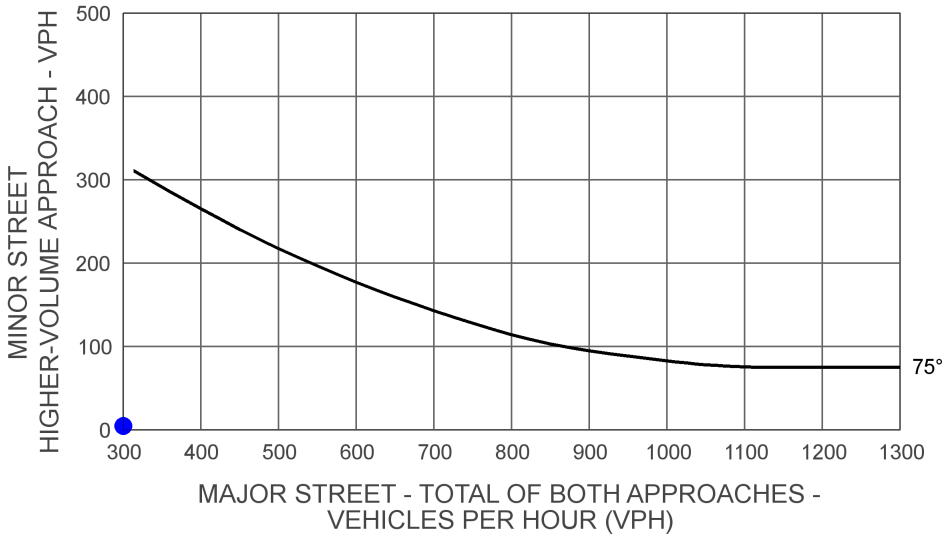
Intersection 7
Wible Rd & Millux Rd/Wible Rd

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 7

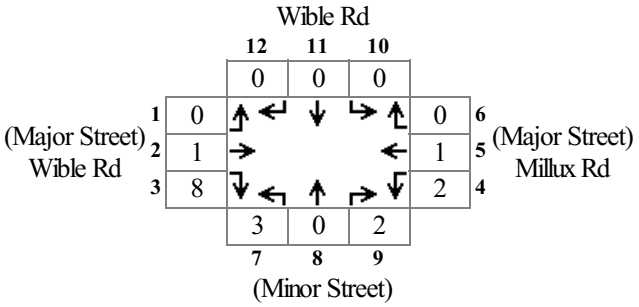


Major Total: 11
Minor High Volume: 5

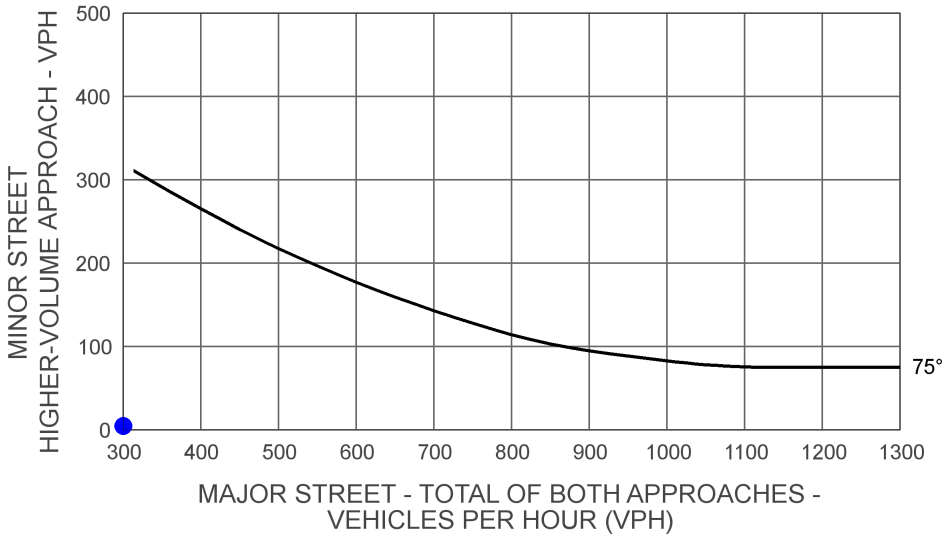


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 7

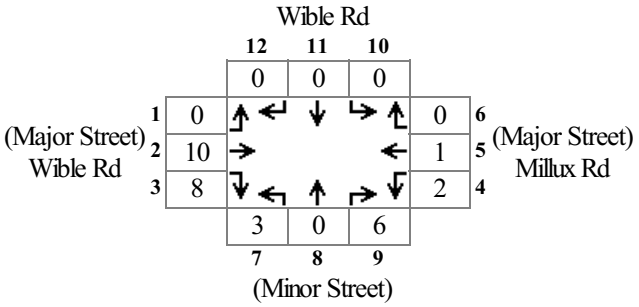


Major Total: 12
Minor High Volume: 5

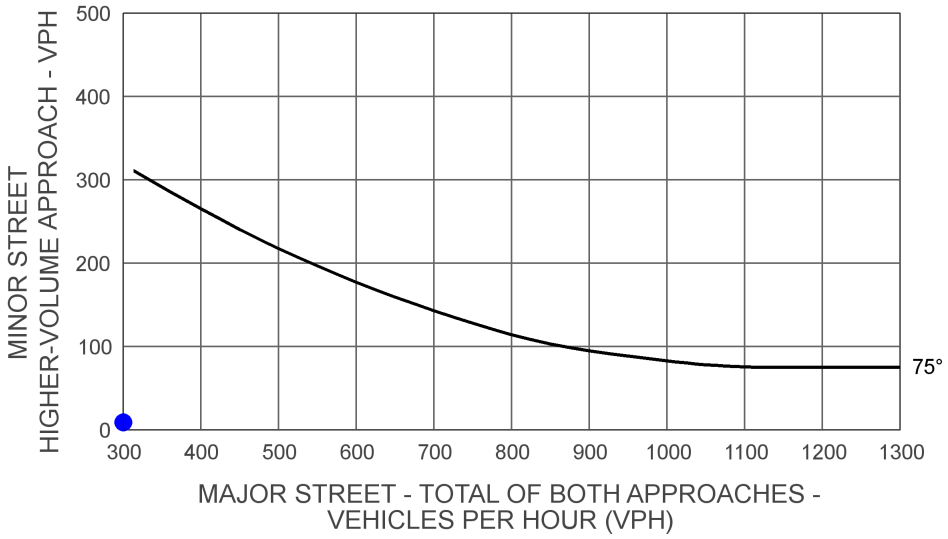


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 7



Major Total: 21
Minor High Volume: 9



Intersection	
Int Delay, s/veh	4.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	1	1	0	2	9	1
Future Vol, veh/h	1	1	0	2	9	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Stop	Stop	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	1	0	2	10	1

Major/Minor	Major1		Minor2		Major2	
Conflicting Flow All	0	0	2	22	2	-
Stage 1	-	-	0	20	-	-
Stage 2	-	-	2	2	-	-
Critical Hdwy	-	-	6.42	6.52	4.12	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	5.42	5.52	-	-
Follow-up Hdwy	-	-	3.518	4.018	2.218	-
Pot Cap-1 Maneuver	-	-	1021	872	1620	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	1021	894	-	-
Platoon blocked, %	-	-				-
Mov Cap-1 Maneuver	-	-	1015	0	1620	-
Mov Cap-2 Maneuver	-	-	1015	0	-	-
Stage 1	-	-	-	0	-	-
Stage 2	-	-	1021	0	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0		6.5
HCM LOS		-	

Minor Lane/Major Mvmt	NBL	NBR	EBT	EBR	WBLn1
Capacity (veh/h)	1620	-	-	-	-
HCM Lane V/C Ratio	0.006	-	-	-	-
HCM Control Delay (s)	7.2	-	-	-	-
HCM Lane LOS	A	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-

Intersection	
Int Delay, s/veh	7.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	1	1	4	11	9	1
Future Vol, veh/h	1	1	4	11	9	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Stop	Stop	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	1	4	12	10	1

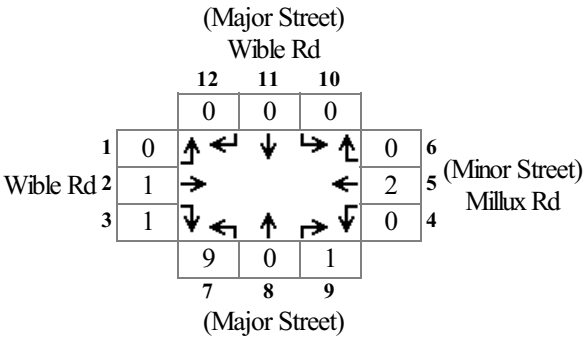
Major/Minor	Major1		Minor2		Major2	
Conflicting Flow All	0	0	2	22	2	-
Stage 1	-	-	0	20	-	-
Stage 2	-	-	2	2	-	-
Critical Hdwy	-	-	6.42	6.52	4.12	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	5.42	5.52	-	-
Follow-up Hdwy	-	-	3.518	4.018	2.218	-
Pot Cap-1 Maneuver	-	-	1021	872	1620	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	1021	894	-	-
Platoon blocked, %	-	-				-
Mov Cap-1 Maneuver	-	-	1015	0	1620	-
Mov Cap-2 Maneuver	-	-	1015	0	-	-
Stage 1	-	-	-	0	-	-
Stage 2	-	-	1021	0	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	8.6	6.5
HCM LOS		A	

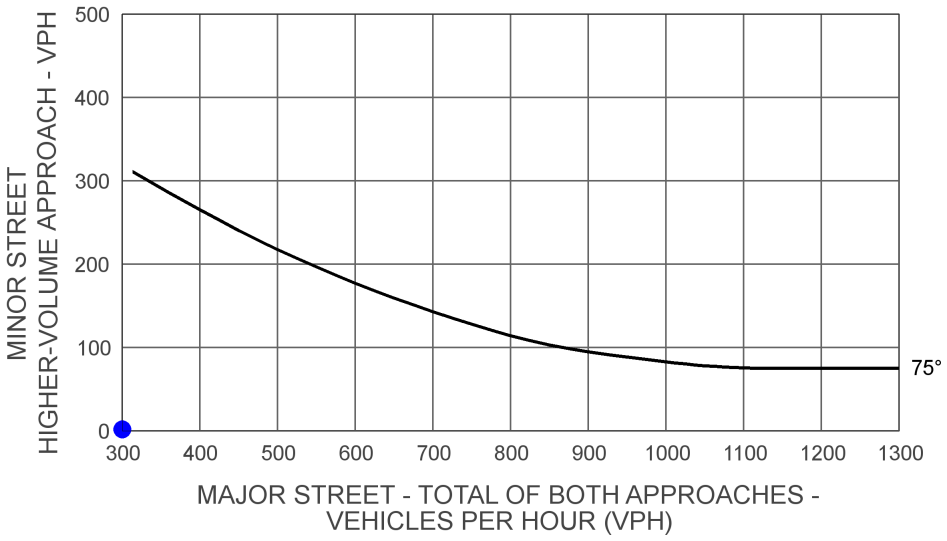
Minor Lane/Major Mvmt	NBL	NBR	EBT	EBR	WBLn1
Capacity (veh/h)	1620	-	-	-	1015
HCM Lane V/C Ratio	0.006	-	-	-	0.016
HCM Control Delay (s)	7.2	-	-	-	8.6
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 7

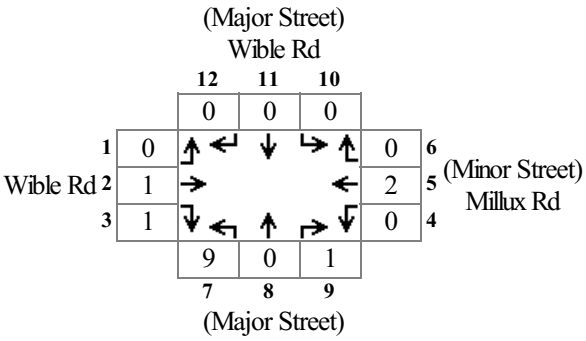


Major Total: 10
Minor High Volume: 2

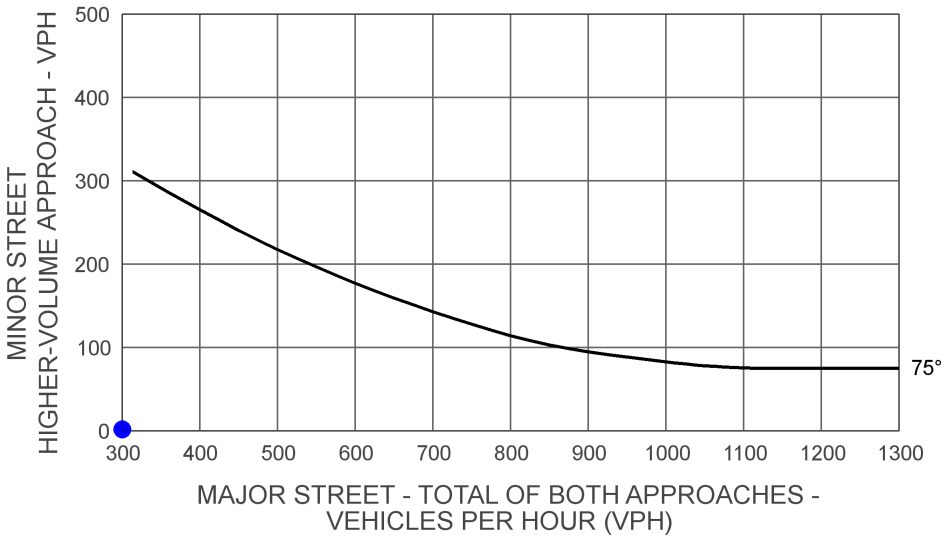


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 7

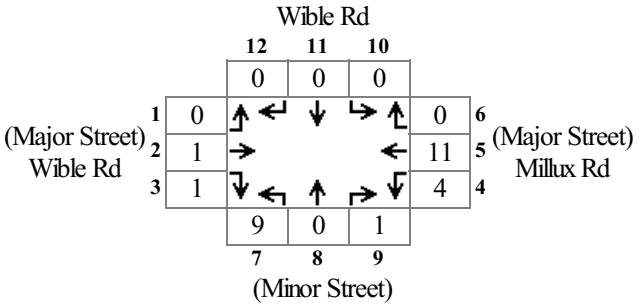


Major Total: 10
Minor High Volume: 2

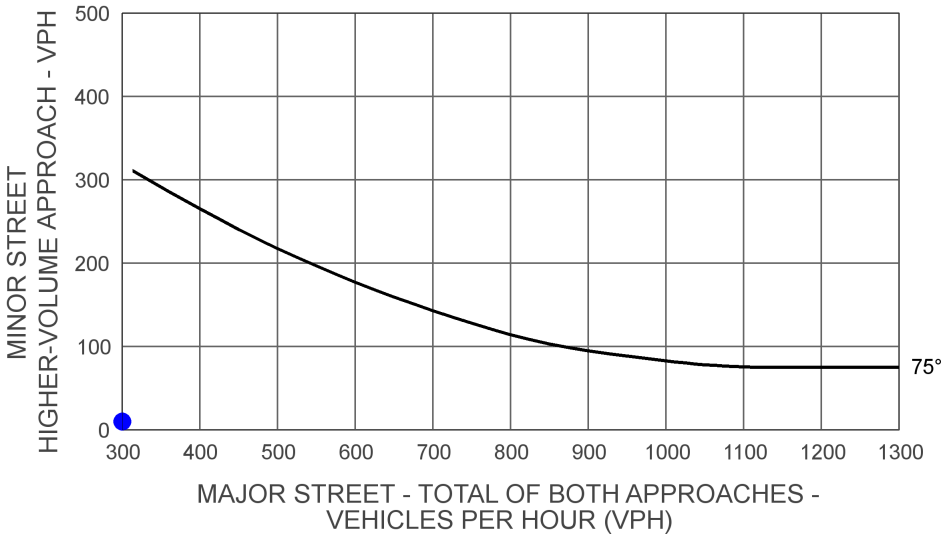


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 7



Major Total: 17
Minor High Volume: 10



Intersection 8
Old River Rd & Copus Rd

Intersection	
Intersection Delay, s/veh	7.7
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	10	8	5	0	36	22	2	0	4	46	18	0	6	84	25
Future Vol, veh/h	0	10	8	5	0	36	22	2	0	4	46	18	0	6	84	25
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	11	9	5	0	39	24	2	0	4	50	20	0	7	91	27
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.5	7.9	7.5	7.8
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	43%	60%	5%
Vol Thru, %	68%	35%	37%	73%
Vol Right, %	26%	22%	3%	22%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	68	23	60	115
LT Vol	4	10	36	6
Through Vol	46	8	22	84
RT Vol	18	5	2	25
Lane Flow Rate	74	25	65	125
Geometry Grp	1	1	1	1
Degree of Util (X)	0.083	0.031	0.08	0.14
Departure Headway (Hd)	4.039	4.395	4.396	4.027
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	874	820	802	879
Service Time	2.126	2.395	2.493	2.103
HCM Lane V/C Ratio	0.085	0.03	0.081	0.142
HCM Control Delay	7.5	7.5	7.9	7.8
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.3	0.1	0.3	0.5

Intersection	
Intersection Delay, s/veh	7.8
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	11	9	6	0	41	25	2	0	5	52	20	0	7	95	28
Future Vol, veh/h	0	11	9	6	0	41	25	2	0	5	52	20	0	7	95	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	12	10	7	0	45	27	2	0	5	57	22	0	8	103	30
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.6	8	7.6	7.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	42%	60%	5%
Vol Thru, %	68%	35%	37%	73%
Vol Right, %	26%	23%	3%	22%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	77	26	68	130
LT Vol	5	11	41	7
Through Vol	52	9	25	95
RT Vol	20	6	2	28
Lane Flow Rate	84	28	74	141
Geometry Grp	1	1	1	1
Degree of Util (X)	0.095	0.035	0.094	0.159
Departure Headway (Hd)	4.183	4.455	4.558	4.057
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	862	808	791	869
Service Time	2.183	2.457	2.558	2.151
HCM Lane V/C Ratio	0.097	0.035	0.094	0.162
HCM Control Delay	7.6	7.6	8	7.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.3	0.1	0.3	0.6

Intersection	
Intersection Delay, s/veh	7.9
Intersection LOS	A

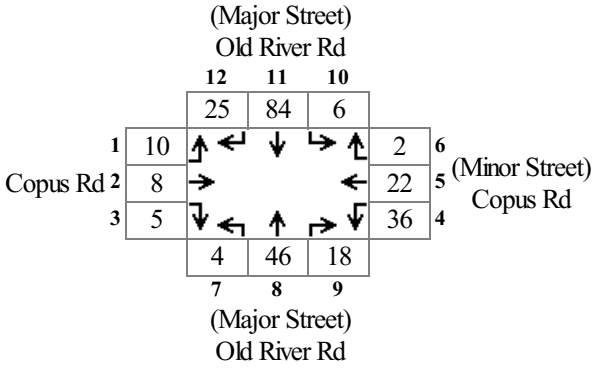
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	11	9	6	0	41	25	33	0	5	57	20	0	7	95	28
Future Vol, veh/h	0	11	9	6	0	41	25	33	0	5	57	20	0	7	95	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	12	10	7	0	45	27	36	0	5	62	22	0	8	103	30
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.7	8	7.8	8
HCM LOS	A	A	A	A

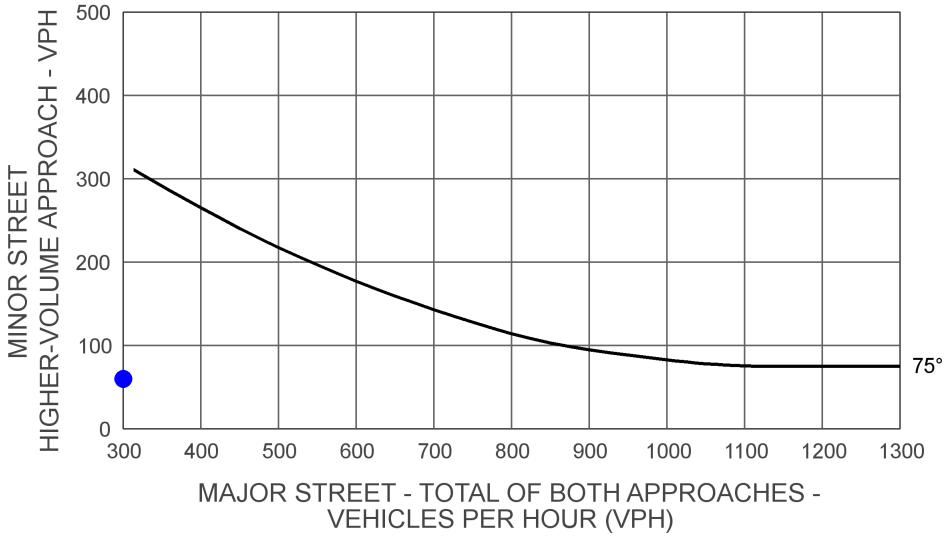
Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	42%	41%	5%
Vol Thru, %	70%	35%	25%	73%
Vol Right, %	24%	23%	33%	22%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	82	26	99	130
LT Vol	5	11	41	7
Through Vol	57	9	25	95
RT Vol	20	6	33	28
Lane Flow Rate	89	28	108	141
Geometry Grp	1	1	1	1
Degree of Util (X)	0.105	0.035	0.13	0.162
Departure Headway (Hd)	4.259	4.51	4.357	4.231
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	845	798	826	853
Service Time	2.267	2.517	2.362	2.231
HCM Lane V/C Ratio	0.105	0.035	0.131	0.165
HCM Control Delay	7.8	7.7	8	8
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.4	0.1	0.4	0.6

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 8

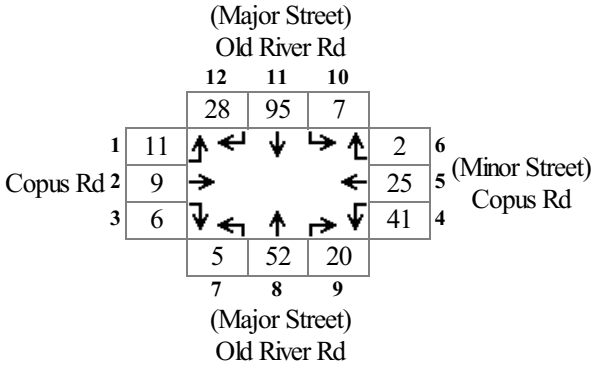


Major Total: 183
Minor High Volume: 60

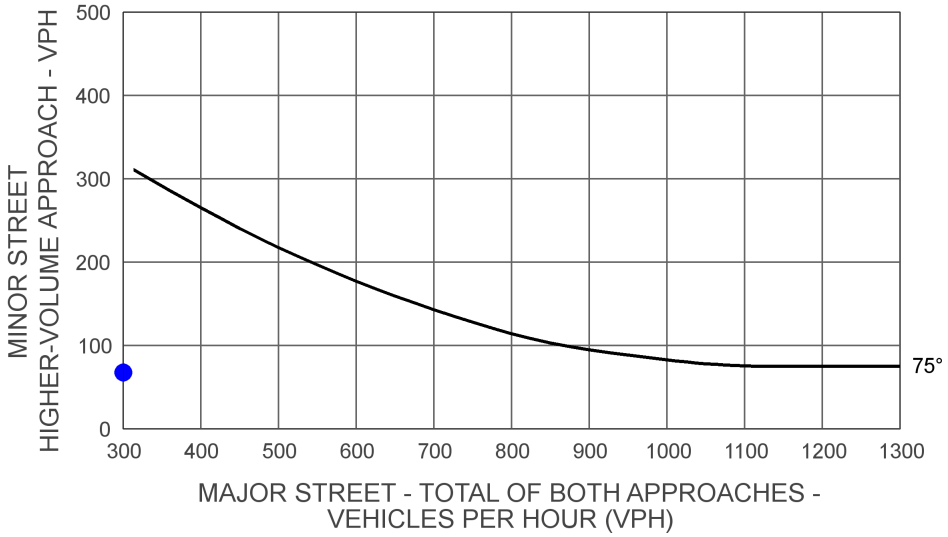


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 8

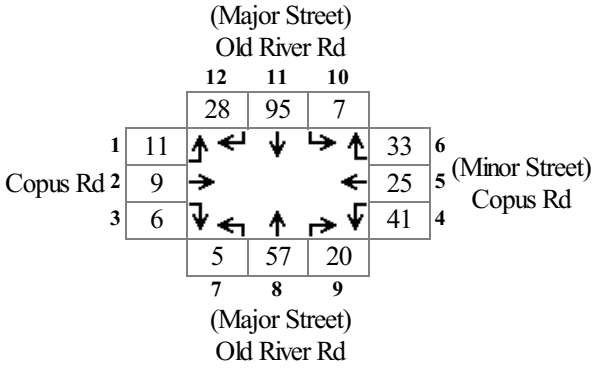


Major Total: 207
Minor High Volume: 68

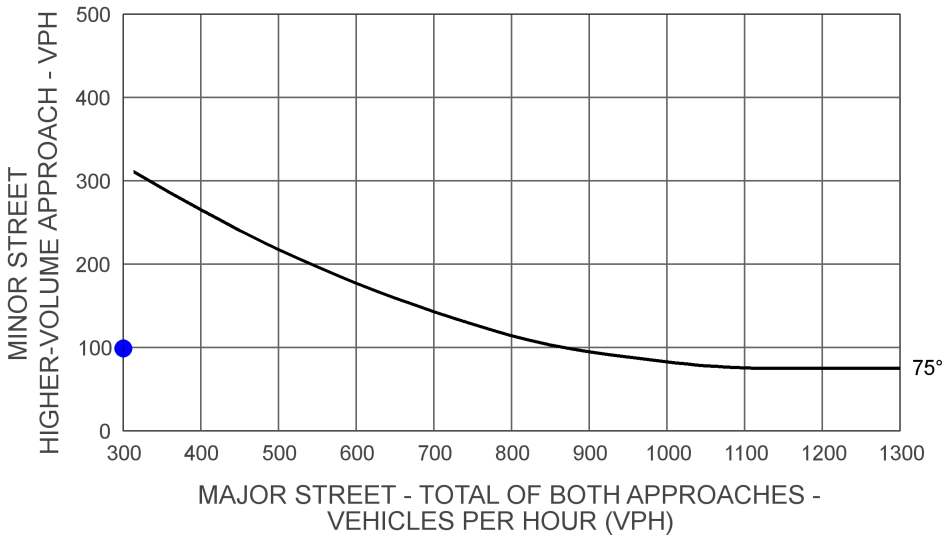


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 8



Major Total: 212
Minor High Volume: 99



Intersection	
Intersection Delay, s/veh	8
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	32	39	0	0	13	36	2	0	1	119	49	0	2	31	15
Future Vol, veh/h	0	32	39	0	0	13	36	2	0	1	119	49	0	2	31	15
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	35	42	0	0	14	39	2	0	1	129	53	0	2	34	16
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.1	7.9	8.2	7.6
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	45%	25%	4%
Vol Thru, %	70%	55%	71%	65%
Vol Right, %	29%	0%	4%	31%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	169	71	51	48
LT Vol	1	32	13	2
Through Vol	119	39	36	31
RT Vol	49	0	2	15
Lane Flow Rate	184	77	55	52
Geometry Grp	1	1	1	1
Degree of Util (X)	0.211	0.099	0.07	0.062
Departure Headway (Hd)	4.132	4.603	4.567	4.259
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	871	781	787	843
Service Time	2.144	2.618	2.583	2.273
HCM Lane V/C Ratio	0.211	0.099	0.07	0.062
HCM Control Delay	8.2	8.1	7.9	7.6
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.8	0.3	0.2	0.2

Intersection	
Intersection Delay, s/veh	8.2
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	35	42	0	0	14	39	2	0	1	129	53	0	2	34	16
Future Vol, veh/h	0	35	42	0	0	14	39	2	0	1	129	53	0	2	34	16
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	38	46	0	0	15	42	2	0	1	140	58	0	2	37	17
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.2	8	8.4	7.6
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	45%	25%	4%
Vol Thru, %	70%	55%	71%	65%
Vol Right, %	29%	0%	4%	31%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	183	77	55	52
LT Vol	1	35	14	2
Through Vol	129	42	39	34
RT Vol	53	0	2	16
Lane Flow Rate	199	84	60	57
Geometry Grp	1	1	1	1
Degree of Util (X)	0.23	0.108	0.077	0.068
Departure Headway (Hd)	4.166	4.654	4.622	4.307
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	863	772	777	833
Service Time	2.18	2.674	2.642	2.325
HCM Lane V/C Ratio	0.231	0.109	0.077	0.068
HCM Control Delay	8.4	8.2	8	7.6
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.9	0.4	0.2	0.2

Intersection	
Intersection Delay, s/veh	8.3
Intersection LOS	A

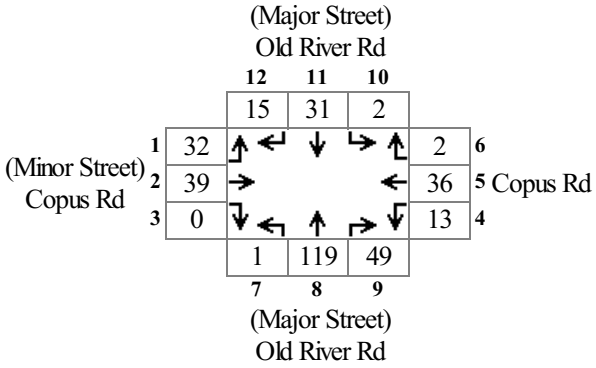
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR
Traffic Vol, veh/h	0	35	42	0	0	14	39	2	0	1	129	53	0	33	39	16
Future Vol, veh/h	0	35	42	0	0	14	39	2	0	1	129	53	0	33	39	16
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	38	46	0	0	15	42	2	0	1	140	58	0	36	42	17
Number of Lanes	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.4	8.1	8.5	8.1
HCM LOS	A	A	A	A

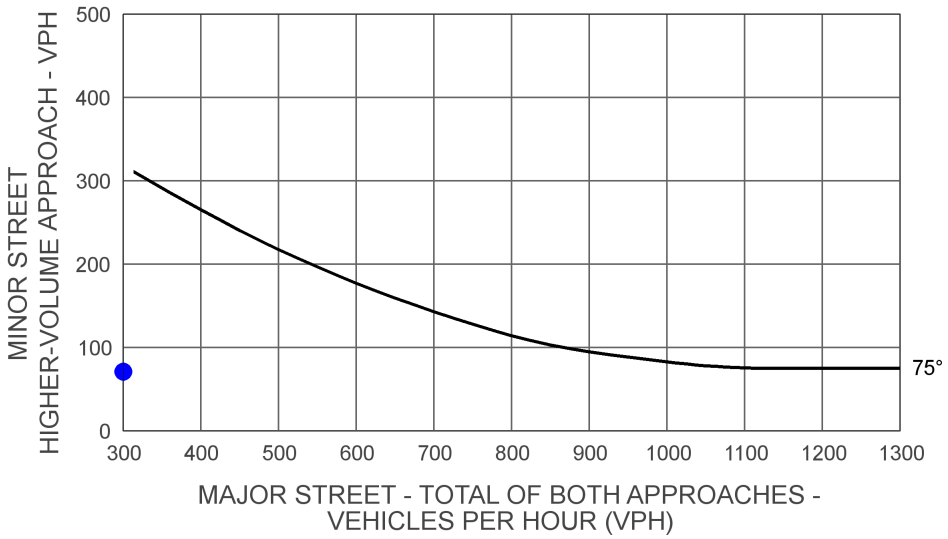
Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	45%	25%	38%
Vol Thru, %	70%	55%	71%	44%
Vol Right, %	29%	0%	4%	18%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	183	77	55	88
LT Vol	1	35	14	33
Through Vol	129	42	39	39
RT Vol	53	0	2	16
Lane Flow Rate	199	84	60	96
Geometry Grp	1	1	1	1
Degree of Util (X)	0.233	0.11	0.078	0.118
Departure Headway (Hd)	4.215	4.75	4.719	4.457
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	853	755	760	805
Service Time	2.232	2.774	2.744	2.477
HCM Lane V/C Ratio	0.233	0.111	0.079	0.119
HCM Control Delay	8.5	8.4	8.1	8.1
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.9	0.4	0.3	0.4

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 8

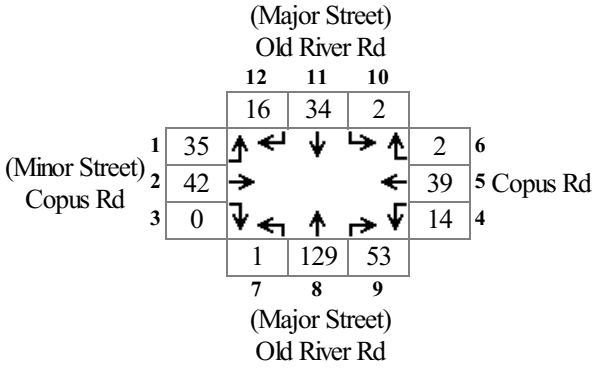


Major Total: 217
Minor High Volume: 71

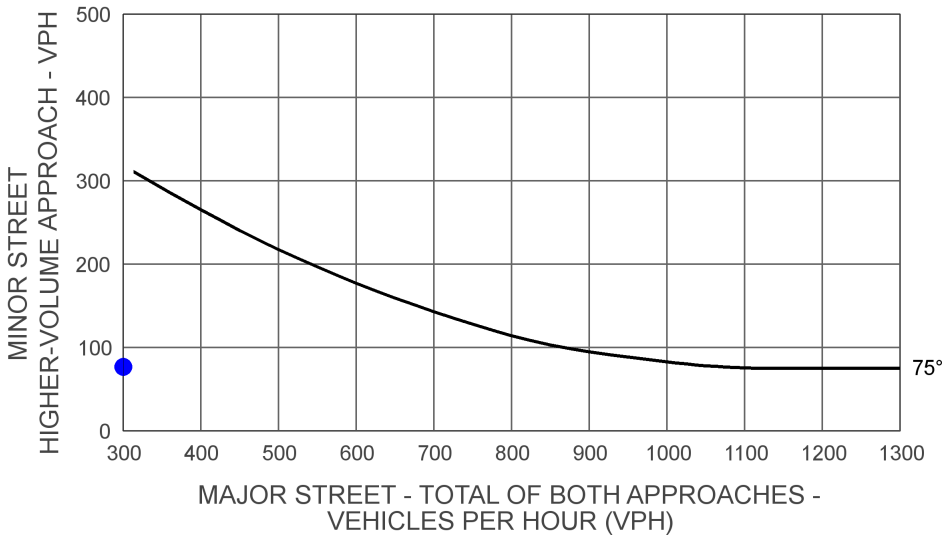


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 8

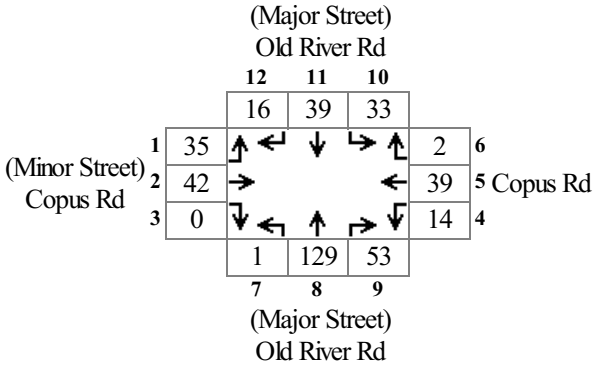


Major Total: 235
Minor High Volume: 77

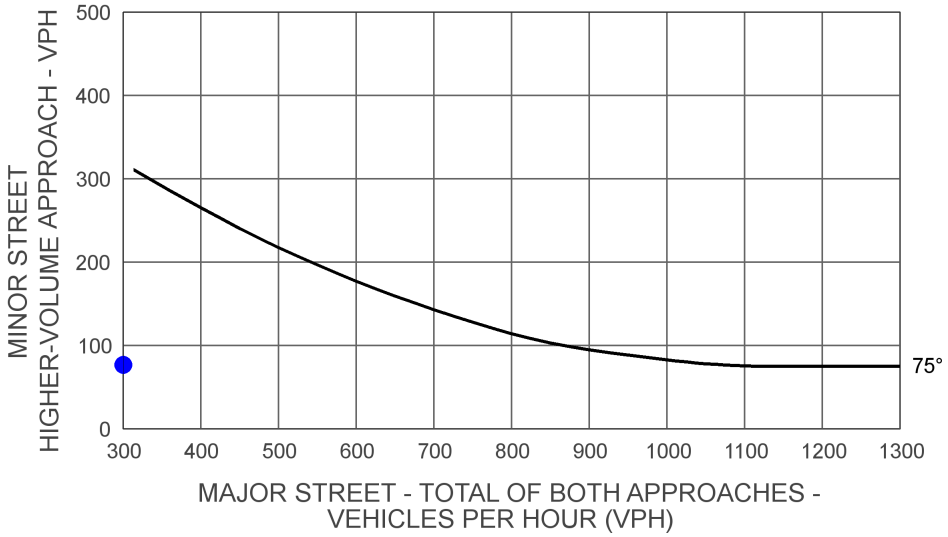


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 8



Major Total: 271
Minor High Volume: 77



Intersection 9
I-5 SB Off-Ramp/I-5 SB On-Ramp & Copus Rd

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	22	4	0	66	0	0	0	0	4	4	0
Future Vol, veh/h	0	22	4	0	66	0	0	0	0	4	4	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	24	4	0	72	0	0	0	0	4	4	0

Major/Minor	Major1			Major2						Minor2		
Conflicting Flow All	72	0	0	24	0	0				96	96	72
Stage 1	-	-	-	-	-	-				72	72	-
Stage 2	-	-	-	-	-	-				24	24	-
Critical Hdwy	4.12	-	-	4.12	-	-				6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-				5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-				5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-				3.518	4.018	3.318
Pot Cap-1 Maneuver	1528	-	-	1591	-	-				903	794	990
Stage 1	-	-	-	-	-	-				951	835	-
Stage 2	-	-	-	-	-	-				999	875	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1528	-	-	1591	-	-				903	0	990
Mov Cap-2 Maneuver	-	-	-	-	-	-				903	0	-
Stage 1	-	-	-	-	-	-				951	0	-
Stage 2	-	-	-	-	-	-				999	0	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1528	-	-	1591	-	-	903	-
HCM Lane V/C Ratio	-	-	-	-	-	-	0.01	-
HCM Control Delay (s)	0	-	-	0	-	-	9	0
HCM Lane LOS	A	-	-	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	25	5	0	74	0	0	0	0	5	5	0
Future Vol, veh/h	0	25	5	0	74	0	0	0	0	5	5	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	27	5	0	80	0	0	0	0	5	5	0

Major/Minor	Major1			Major2						Minor2		
Conflicting Flow All	80	0	0	27	0	0				107	107	80
Stage 1	-	-	-	-	-	-				80	80	-
Stage 2	-	-	-	-	-	-				27	27	-
Critical Hdwy	4.12	-	-	4.12	-	-				6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-				5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-				5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-				3.518	4.018	3.318
Pot Cap-1 Maneuver	1518	-	-	1587	-	-				891	783	980
Stage 1	-	-	-	-	-	-				943	828	-
Stage 2	-	-	-	-	-	-				996	873	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1518	-	-	1587	-	-				891	0	980
Mov Cap-2 Maneuver	-	-	-	-	-	-				891	0	-
Stage 1	-	-	-	-	-	-				943	0	-
Stage 2	-	-	-	-	-	-				996	0	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.1
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1518	-	-	1587	-	-	891	-
HCM Lane V/C Ratio	-	-	-	-	-	-	0.012	-
HCM Control Delay (s)	0	-	-	0	-	-	9.1	0
HCM Lane LOS	A	-	-	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	25	5	0	105	0	0	0	0	6	5	0
Future Vol, veh/h	0	25	5	0	105	0	0	0	0	6	5	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	27	5	0	114	0	0	0	0	7	5	0

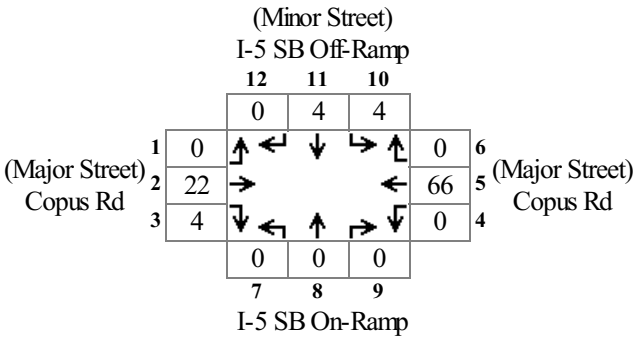
Major/Minor	Major1			Major2						Minor2		
Conflicting Flow All	114	0	0	27	0	0				141	141	114
Stage 1	-	-	-	-	-	-				114	114	-
Stage 2	-	-	-	-	-	-				27	27	-
Critical Hdwy	4.12	-	-	4.12	-	-				6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-				5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-				5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-				3.518	4.018	3.318
Pot Cap-1 Maneuver	1475	-	-	1587	-	-				852	750	939
Stage 1	-	-	-	-	-	-				911	801	-
Stage 2	-	-	-	-	-	-				996	873	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1475	-	-	1587	-	-				852	0	939
Mov Cap-2 Maneuver	-	-	-	-	-	-				852	0	-
Stage 1	-	-	-	-	-	-				911	0	-
Stage 2	-	-	-	-	-	-				996	0	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.3
HCM LOS			A

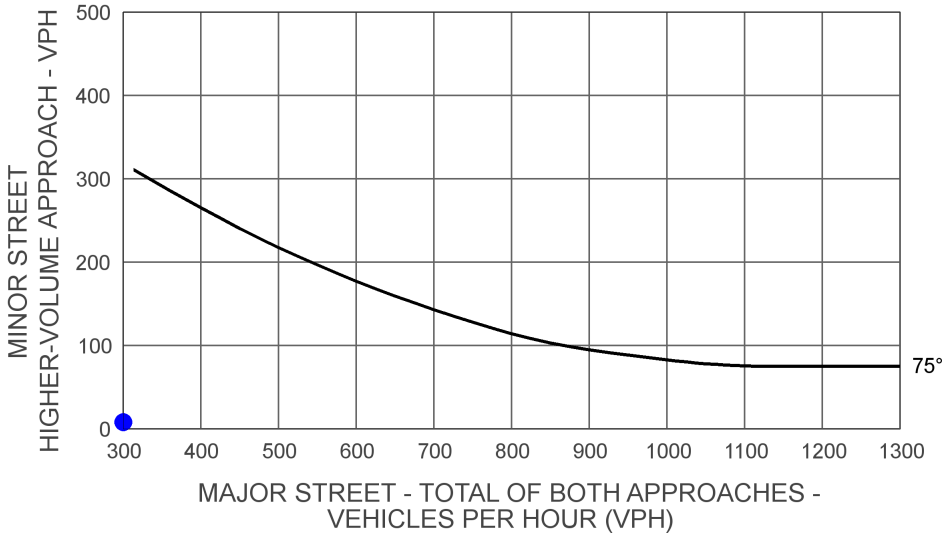
Minor Lane/Major Mvmt	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1475	-	-	1587	-	-	852	-
HCM Lane V/C Ratio	-	-	-	-	-	-	0.014	-
HCM Control Delay (s)	0	-	-	0	-	-	9.3	0
HCM Lane LOS	A	-	-	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-	-	0	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 9

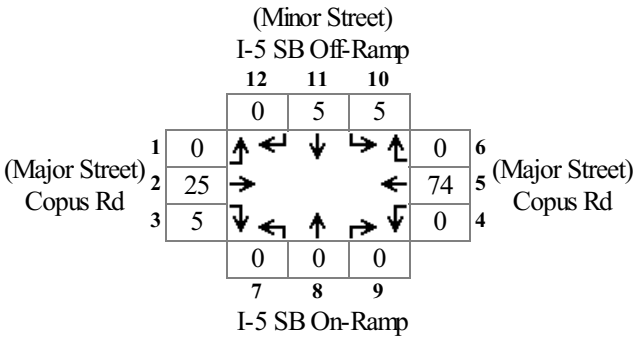


Major Total: 92
Minor High Volume: 8

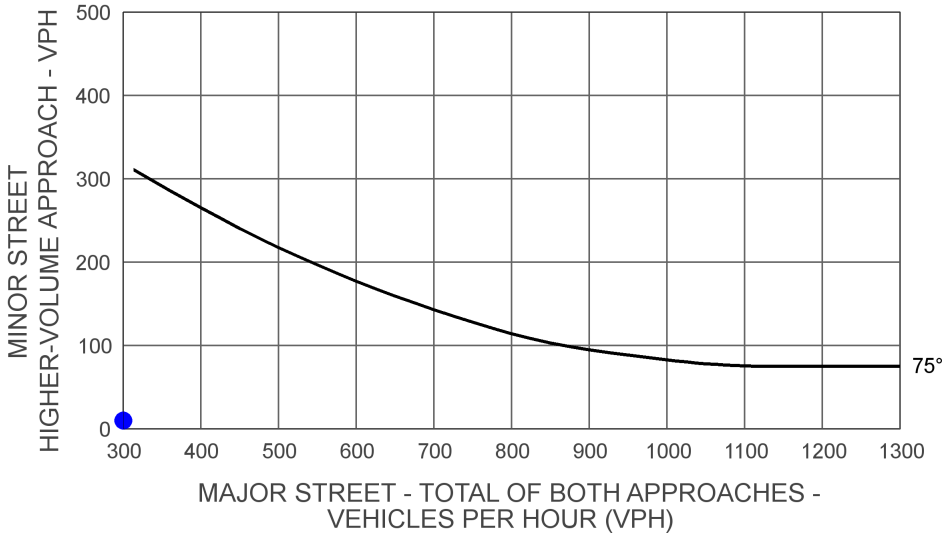


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 9

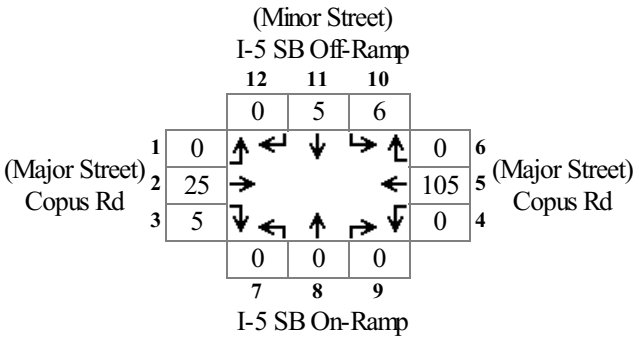


Major Total: 104
Minor High Volume: 10

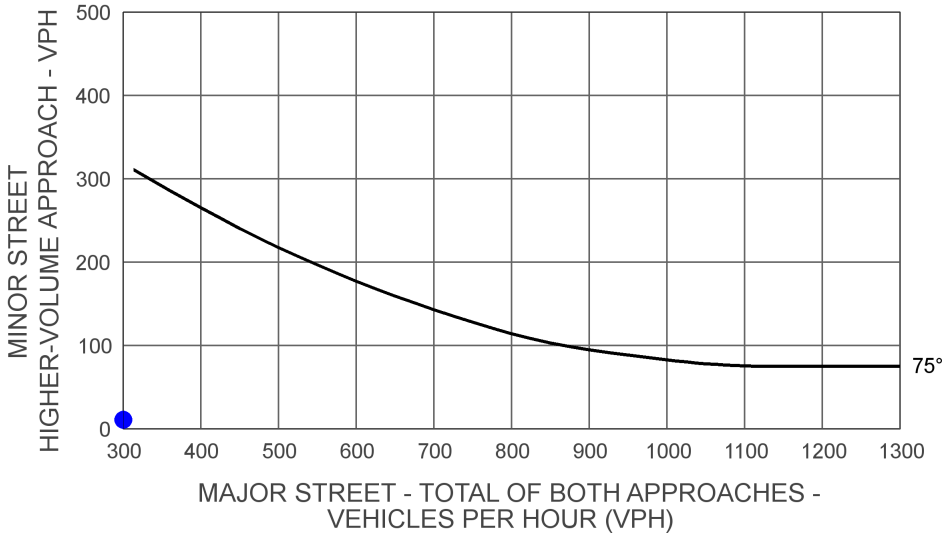


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 9



Major Total: 135
Minor High Volume: 11



Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	96	3	0	41	0	0	0	0	4	2	0
Future Vol, veh/h	0	96	3	0	41	0	0	0	0	4	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	104	3	0	45	0	0	0	0	4	2	0

Major/Minor	Major1			Major2			Minor2		
Conflicting Flow All	45	0	0	104	0	0	149	149	45
Stage 1	-	-	-	-	-	-	45	45	-
Stage 2	-	-	-	-	-	-	104	104	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1563	-	-	1488	-	-	843	743	1025
Stage 1	-	-	-	-	-	-	977	857	-
Stage 2	-	-	-	-	-	-	920	809	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1563	-	-	1488	-	-	843	0	1025
Mov Cap-2 Maneuver	-	-	-	-	-	-	843	0	-
Stage 1	-	-	-	-	-	-	977	0	-
Stage 2	-	-	-	-	-	-	920	0	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.3
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1563	-	-	1488	-	-	843	-
HCM Lane V/C Ratio	-	-	-	-	-	-	0.008	-
HCM Control Delay (s)	0	-	-	0	-	-	9.3	0
HCM Lane LOS	A	-	-	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	104	3	0	44	0	0	0	0	4	2	0
Future Vol, veh/h	0	104	3	0	44	0	0	0	0	4	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	113	3	0	48	0	0	0	0	4	2	0

Major/Minor	Major1			Major2						Minor2		
Conflicting Flow All	48	0	0	113	0	0				161	161	48
Stage 1	-	-	-	-	-	-				48	48	-
Stage 2	-	-	-	-	-	-				113	113	-
Critical Hdwy	4.12	-	-	4.12	-	-				6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-				5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-				5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-				3.518	4.018	3.318
Pot Cap-1 Maneuver	1559	-	-	1476	-	-				830	731	1021
Stage 1	-	-	-	-	-	-				974	855	-
Stage 2	-	-	-	-	-	-				912	802	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1559	-	-	1476	-	-				830	0	1021
Mov Cap-2 Maneuver	-	-	-	-	-	-				830	0	-
Stage 1	-	-	-	-	-	-				974	0	-
Stage 2	-	-	-	-	-	-				912	0	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1559	-	-	1476	-	-	830	-
HCM Lane V/C Ratio	-	-	-	-	-	-	0.008	-
HCM Control Delay (s)	0	-	-	0	-	-	9.4	0
HCM Lane LOS	A	-	-	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	126	12	0	44	0	0	0	0	4	2	0
Future Vol, veh/h	0	126	12	0	44	0	0	0	0	4	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	-	-	-	-	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	137	13	0	48	0	0	0	0	4	2	0

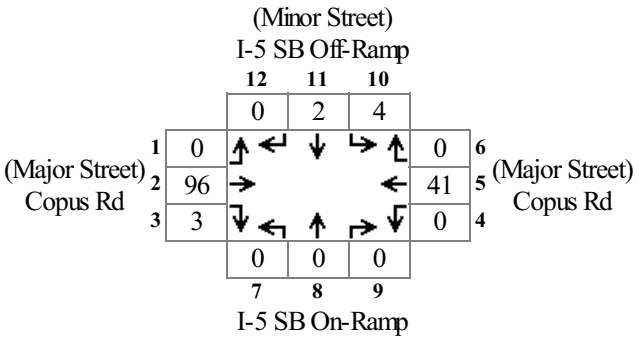
Major/Minor	Major1			Major2			Minor2		
Conflicting Flow All	48	0	0	137	0	0	185	185	48
Stage 1	-	-	-	-	-	-	48	48	-
Stage 2	-	-	-	-	-	-	137	137	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1559	-	-	1447	-	-	804	709	1021
Stage 1	-	-	-	-	-	-	974	855	-
Stage 2	-	-	-	-	-	-	890	783	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1559	-	-	1447	-	-	804	0	1021
Mov Cap-2 Maneuver	-	-	-	-	-	-	804	0	-
Stage 1	-	-	-	-	-	-	974	0	-
Stage 2	-	-	-	-	-	-	890	0	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.5
HCM LOS			A

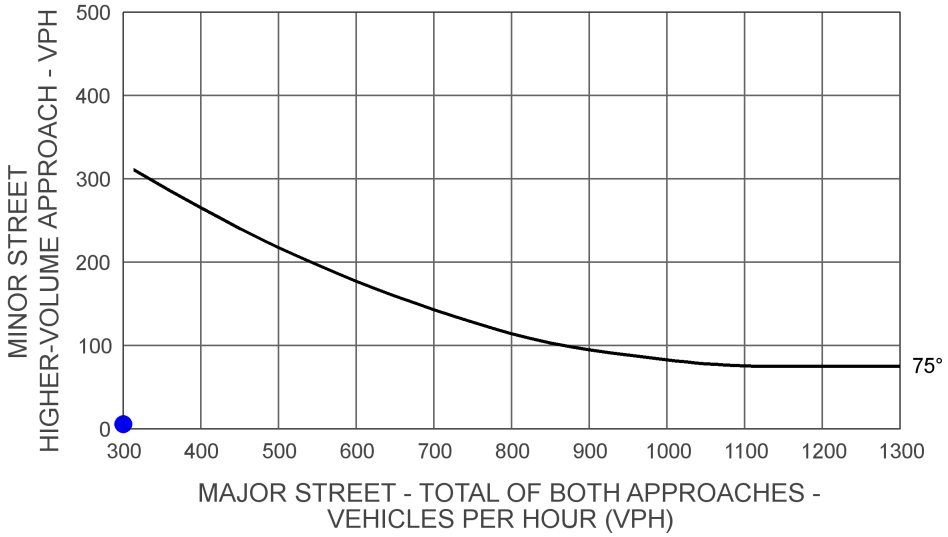
Minor Lane/Major Mvmt	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1559	-	-	1447	-	-	804	-
HCM Lane V/C Ratio	-	-	-	-	-	-	0.008	-
HCM Control Delay (s)	0	-	-	0	-	-	9.5	0
HCM Lane LOS	A	-	-	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-	-	0	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 9

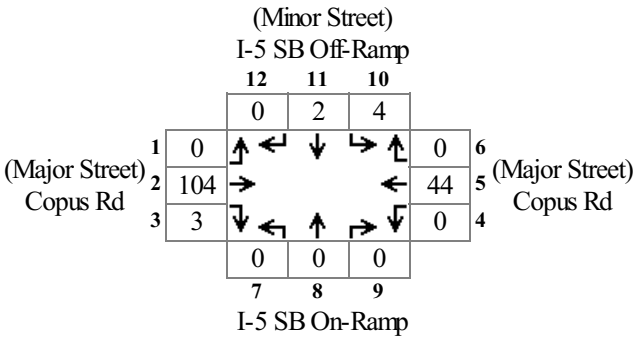


Major Total: 140
Minor High Volume: 6

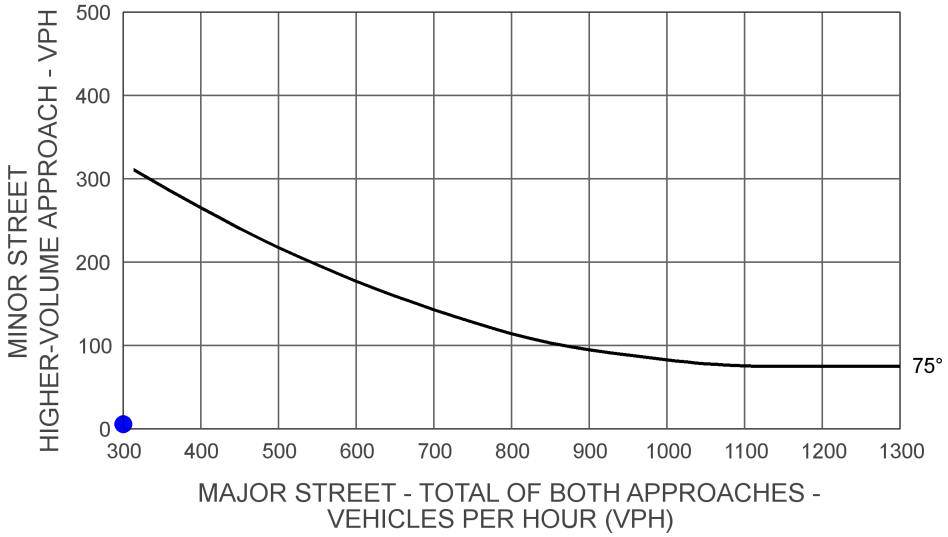


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 9

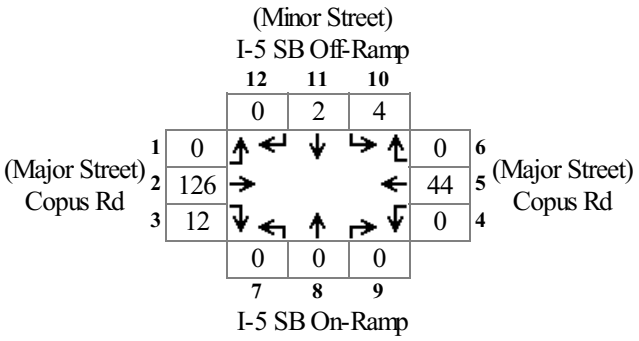


Major Total: 151
Minor High Volume: 6

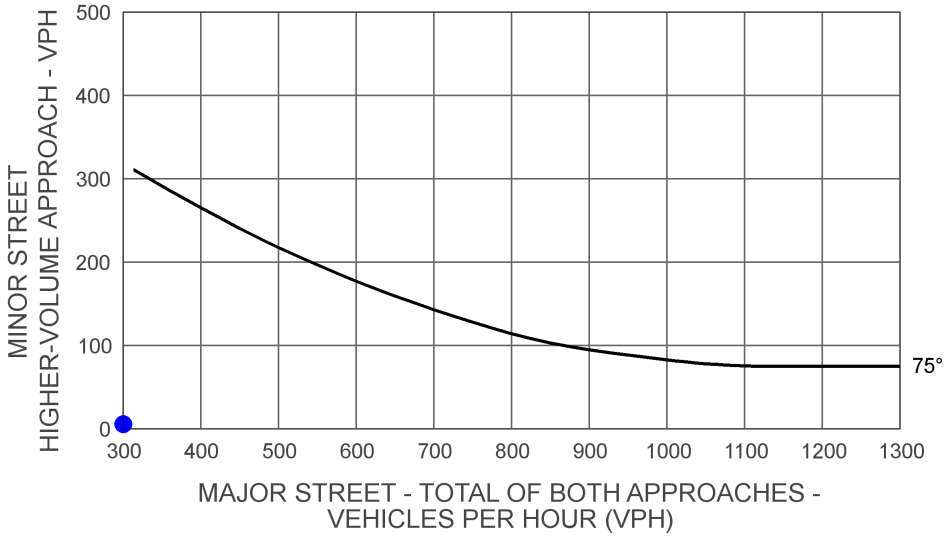


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 9



Major Total: 182
Minor High Volume: 6



Intersection 10
I-5 NB On-Ramp/I-5 NB Off-Ramp & Copus Rd

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	61	0	0	26	0	3	3	4	0	0	0
Future Vol, veh/h	0	61	0	0	26	0	3	3	4	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	66	0	0	28	0	3	3	4	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	28	0	0	66	0	0	94	94	66
Stage 1	-	-	-	-	-	-	66	66	-
Stage 2	-	-	-	-	-	-	28	28	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1585	-	-	1536	-	-	906	796	998
Stage 1	-	-	-	-	-	-	957	840	-
Stage 2	-	-	-	-	-	-	995	872	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1585	-	-	1536	-	-	906	0	998
Mov Cap-2 Maneuver	-	-	-	-	-	-	906	0	-
Stage 1	-	-	-	-	-	-	957	0	-
Stage 2	-	-	-	-	-	-	995	0	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	8.8
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	906	998	1585	-	-	1536	-	-
HCM Lane V/C Ratio	0.007	0.004	-	-	-	-	-	-
HCM Control Delay (s)	9	8.6	0	-	-	0	-	-
HCM Lane LOS	A	A	A	-	-	A	-	-
HCM 95th %tile Q(veh)	0	0	0	-	-	0	-	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	69	0	0	29	0	3	3	5	0	0	0
Future Vol, veh/h	0	69	0	0	29	0	3	3	5	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	75	0	0	32	0	3	3	5	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	32	0	0	75	0	0	107	107	75
Stage 1	-	-	-	-	-	-	75	75	-
Stage 2	-	-	-	-	-	-	32	32	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1580	-	-	1524	-	-	891	783	986
Stage 1	-	-	-	-	-	-	948	833	-
Stage 2	-	-	-	-	-	-	991	868	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1580	-	-	1524	-	-	891	0	986
Mov Cap-2 Maneuver	-	-	-	-	-	-	891	0	-
Stage 1	-	-	-	-	-	-	948	0	-
Stage 2	-	-	-	-	-	-	991	0	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	8.9
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	891	986	1580	-	-	1524	-	-
HCM Lane V/C Ratio	0.007	0.006	-	-	-	-	-	-
HCM Control Delay (s)	9.1	8.7	0	-	-	0	-	-
HCM Lane LOS	A	A	A	-	-	A	-	-
HCM 95th %tile Q(veh)	0	0	0	-	-	0	-	-

Intersection	
Int Delay, s/veh	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	70	0	0	51	0	12	3	5	0	0	0
Future Vol, veh/h	0	70	0	0	51	0	12	3	5	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	76	0	0	55	0	13	3	5	0	0	0

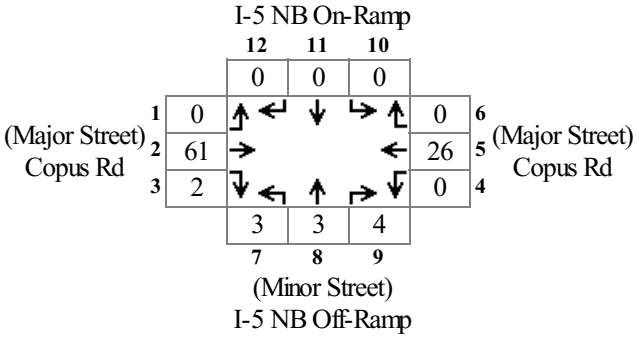
Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	55	0	0	76	0	0	131	131	76
Stage 1	-	-	-	-	-	-	76	76	-
Stage 2	-	-	-	-	-	-	55	55	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1550	-	-	1523	-	-	863	760	985
Stage 1	-	-	-	-	-	-	947	832	-
Stage 2	-	-	-	-	-	-	968	849	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1550	-	-	1523	-	-	863	0	985
Mov Cap-2 Maneuver	-	-	-	-	-	-	863	0	-
Stage 1	-	-	-	-	-	-	947	0	-
Stage 2	-	-	-	-	-	-	968	0	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.2
HCM LOS			A

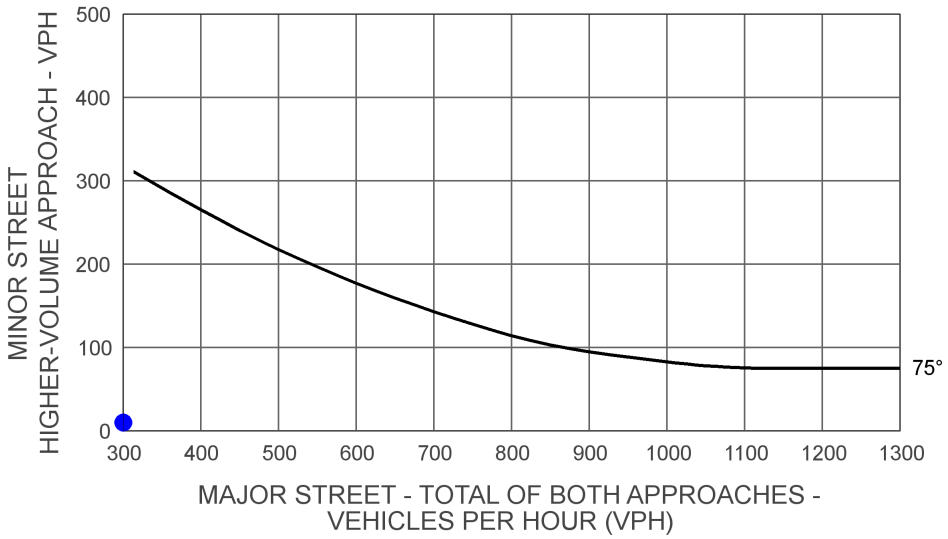
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	863	985	1550	-	-	1523	-	-
HCM Lane V/C Ratio	0.019	0.006	-	-	-	-	-	-
HCM Control Delay (s)	9.3	8.7	0	-	-	0	-	-
HCM Lane LOS	A	A	A	-	-	A	-	-
HCM 95th %tile Q(veh)	0.1	0	0	-	-	0	-	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 10

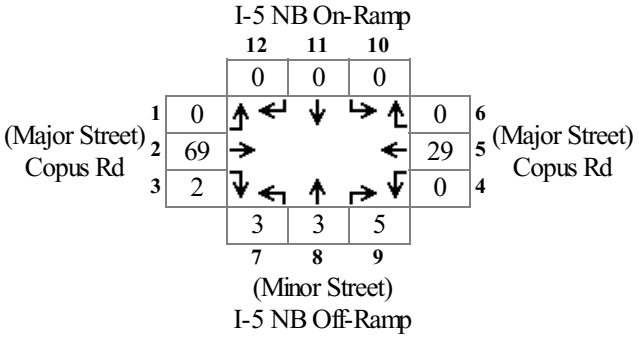


Major Total: 89
Minor High Volume: 10

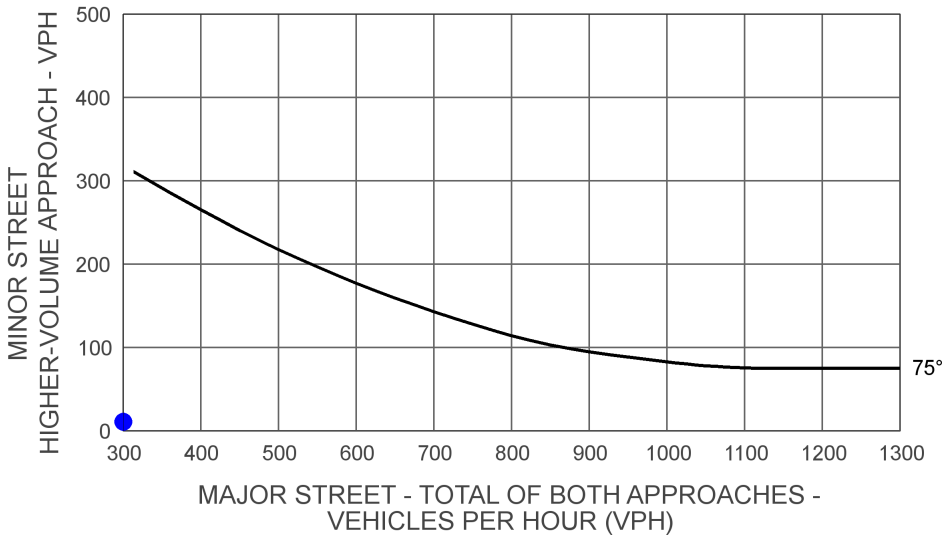


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 10

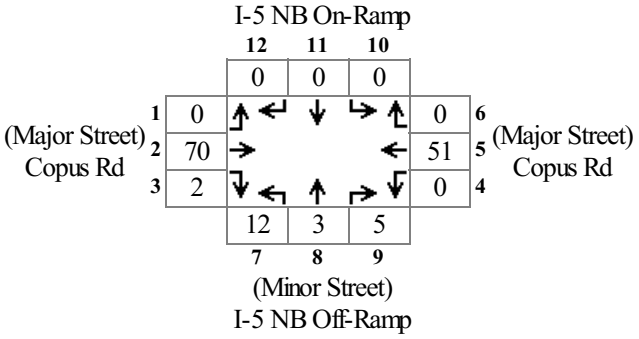


Major Total: 100
Minor High Volume: 11

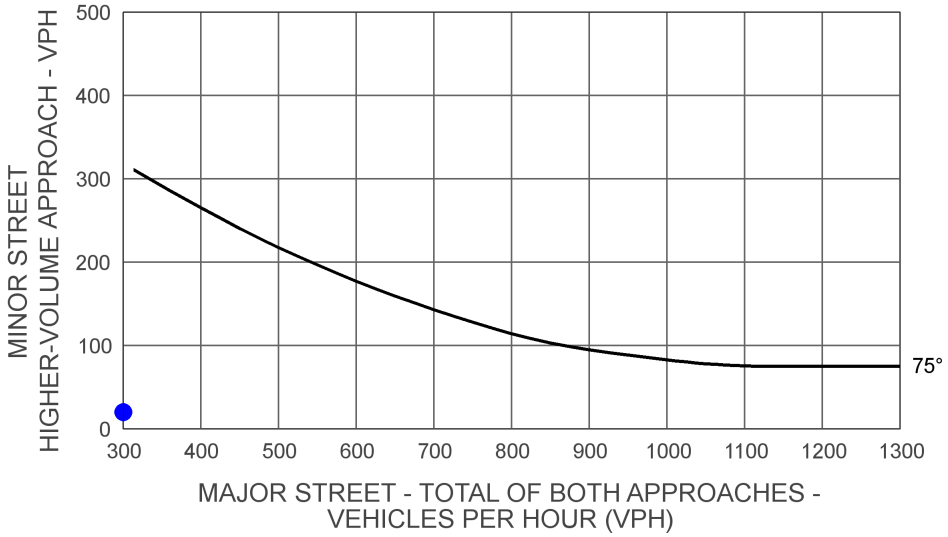


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 10



Major Total: 123
Minor High Volume: 20



Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	33	0	0	103	0	9	5	3	0	0	0
Future Vol, veh/h	0	33	0	0	103	0	9	5	3	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	36	0	0	112	0	10	5	3	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	112	0	0	36	0	0	148	148	36
Stage 1	-	-	-	-	-	-	36	36	-
Stage 2	-	-	-	-	-	-	112	112	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1478	-	-	1575	-	-	844	743	1037
Stage 1	-	-	-	-	-	-	986	865	-
Stage 2	-	-	-	-	-	-	913	803	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1478	-	-	1575	-	-	844	0	1037
Mov Cap-2 Maneuver	-	-	-	-	-	-	844	0	-
Stage 1	-	-	-	-	-	-	986	0	-
Stage 2	-	-	-	-	-	-	913	0	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.2
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	844	1037	1478	-	-	1575	-	-
HCM Lane V/C Ratio	0.018	0.003	-	-	-	-	-	-
HCM Control Delay (s)	9.3	8.5	0	-	-	0	-	-
HCM Lane LOS	A	A	A	-	-	A	-	-
HCM 95th %tile Q(veh)	0.1	0	0	-	-	0	-	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	37	0	0	115	0	9	5	3	0	0	0
Future Vol, veh/h	0	37	0	0	115	0	9	5	3	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	40	0	0	125	0	10	5	3	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	125	0	0	40	0	0	165	165	40
Stage 1	-	-	-	-	-	-	40	40	-
Stage 2	-	-	-	-	-	-	125	125	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1462	-	-	1570	-	-	826	728	1031
Stage 1	-	-	-	-	-	-	982	862	-
Stage 2	-	-	-	-	-	-	901	792	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1462	-	-	1570	-	-	826	0	1031
Mov Cap-2 Maneuver	-	-	-	-	-	-	826	0	-
Stage 1	-	-	-	-	-	-	982	0	-
Stage 2	-	-	-	-	-	-	901	0	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.2
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	826	1031	1462	-	-	1570	-	-
HCM Lane V/C Ratio	0.018	0.003	-	-	-	-	-	-
HCM Control Delay (s)	9.4	8.5	0	-	-	0	-	-
HCM Lane LOS	A	A	A	-	-	A	-	-
HCM 95th %tile Q(veh)	0.1	0	0	-	-	0	-	-

Intersection	
Int Delay, s/veh	0.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	0	59	0	0	115	1	9	5	3	0	0	0
Future Vol, veh/h	0	59	0	0	115	1	9	5	3	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	64	0	0	125	1	10	5	3	0	0	0

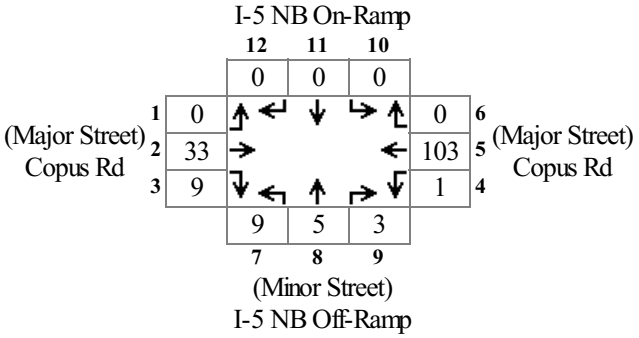
Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	126	0	0	64	0	0	190	190	64
Stage 1	-	-	-	-	-	-	64	64	-
Stage 2	-	-	-	-	-	-	126	126	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1460	-	-	1538	-	-	799	705	1000
Stage 1	-	-	-	-	-	-	959	842	-
Stage 2	-	-	-	-	-	-	900	792	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	1460	-	-	1538	-	-	799	0	1000
Mov Cap-2 Maneuver	-	-	-	-	-	-	799	0	-
Stage 1	-	-	-	-	-	-	959	0	-
Stage 2	-	-	-	-	-	-	900	0	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.4
HCM LOS			A

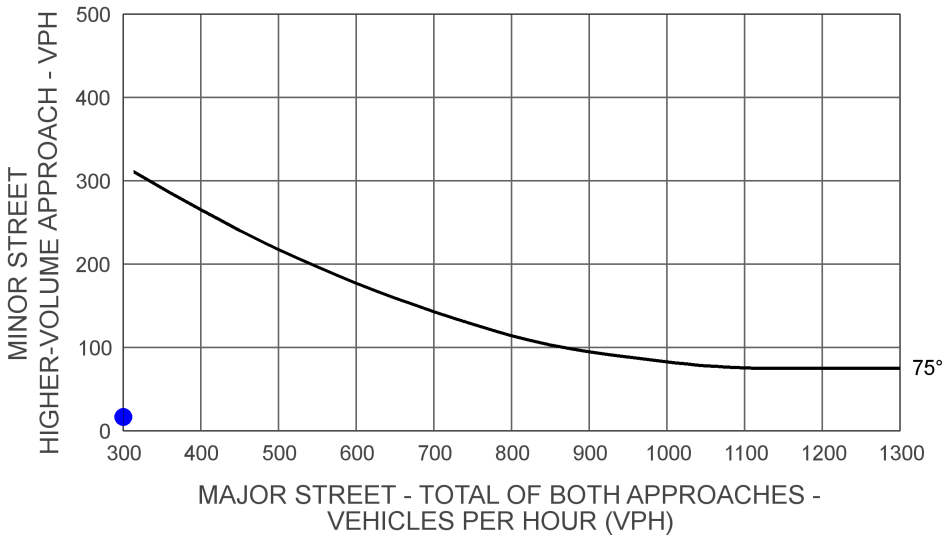
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	799	1000	1460	-	-	1538	-	-
HCM Lane V/C Ratio	0.019	0.003	-	-	-	-	-	-
HCM Control Delay (s)	9.6	8.6	0	-	-	0	-	-
HCM Lane LOS	A	A	A	-	-	A	-	-
HCM 95th %tile Q(veh)	0.1	0	0	-	-	0	-	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 10

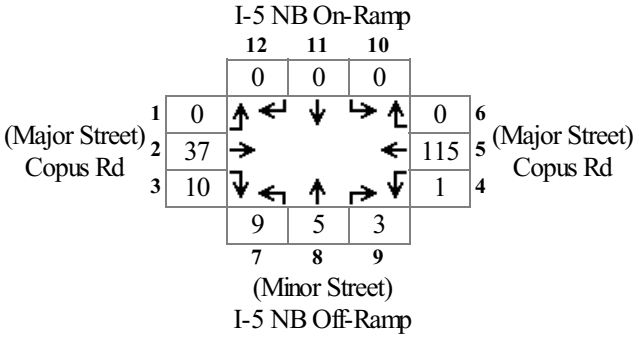


Major Total: 146
Minor High Volume: 17

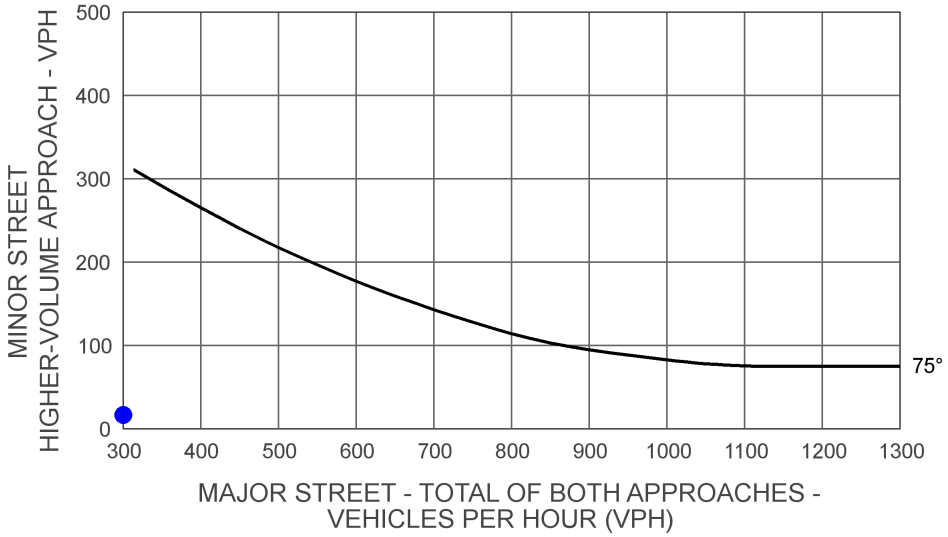


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 10

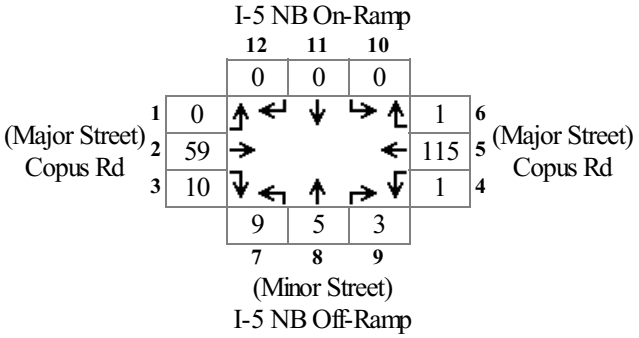


Major Total: 163
Minor High Volume: 17

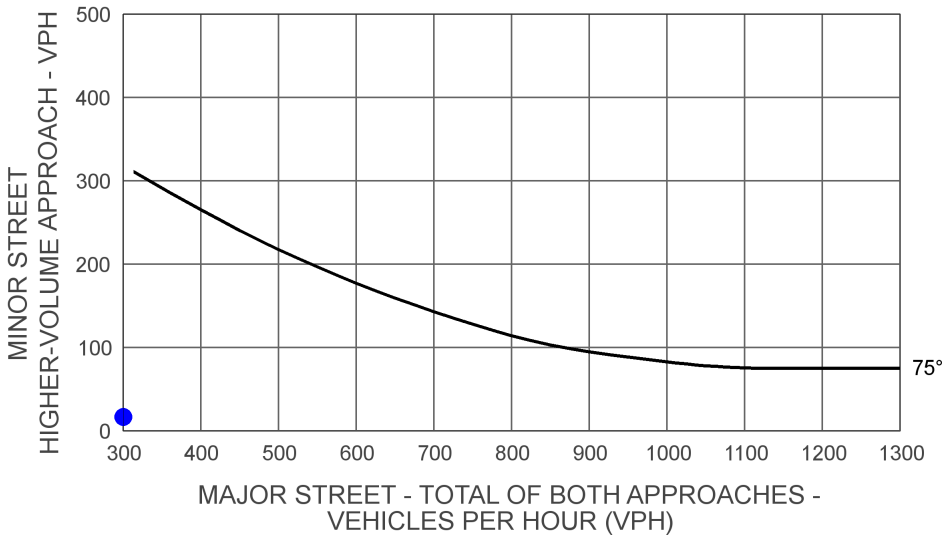


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 10



Major Total: 186
Minor High Volume: 17



Intersection 11
SR 99 SB On/Off-Ramp/Mettler Frontage Rd W & Copus Rd

Intersection	
Int Delay, s/veh	5.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	1	45	1	13	35	2	3	0	19	40	3	41
Future Vol, veh/h	1	45	1	13	35	2	3	0	19	40	3	41
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	49	1	14	38	2	3	0	21	43	3	45

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	40	0	0	50	0	0	121	120	49	119	119	39
Stage 1	-	-	-	-	-	-	52	52	-	67	67	-
Stage 2	-	-	-	-	-	-	69	68	-	52	52	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1570	-	-	1557	-	-	854	770	1020	857	771	1033
Stage 1	-	-	-	-	-	-	961	852	-	943	839	-
Stage 2	-	-	-	-	-	-	941	838	-	961	852	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1570	-	-	1557	-	-	808	762	1020	833	763	1033
Mov Cap-2 Maneuver	-	-	-	-	-	-	808	762	-	833	763	-
Stage 1	-	-	-	-	-	-	960	851	-	942	831	-
Stage 2	-	-	-	-	-	-	889	830	-	941	851	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1.9	8.7	9.1
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	808	1020	1570	-	-	1557	-	-	828	1033
HCM Lane V/C Ratio	0.004	0.02	0.001	-	-	0.009	-	-	0.056	0.043
HCM Control Delay (s)	9.5	8.6	7.3	0	-	7.3	0	-	9.6	8.6
HCM Lane LOS	A	A	A	A	-	A	A	-	A	A
HCM 95th %tile Q(veh)	0	0.1	0	-	-	0	-	-	0.2	0.1

Intersection	
Int Delay, s/veh	5.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	1	51	1	15	39	2	3	0	21	45	3	46
Future Vol, veh/h	1	51	1	15	39	2	3	0	21	45	3	46
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	55	1	16	42	2	3	0	23	49	3	50

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	45	0	0	57	0	0	136	135	56	134	135	43
Stage 1	-	-	-	-	-	-	58	58	-	76	76	-
Stage 2	-	-	-	-	-	-	78	77	-	58	59	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1563	-	-	1547	-	-	835	756	1011	838	756	1027
Stage 1	-	-	-	-	-	-	954	847	-	933	832	-
Stage 2	-	-	-	-	-	-	931	831	-	954	846	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1563	-	-	1547	-	-	784	747	1011	812	747	1027
Mov Cap-2 Maneuver	-	-	-	-	-	-	784	747	-	812	747	-
Stage 1	-	-	-	-	-	-	953	846	-	932	823	-
Stage 2	-	-	-	-	-	-	872	822	-	932	845	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	2	8.7	9.3
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	784	1011	1563	-	-	1547	-	-	808	1027
HCM Lane V/C Ratio	0.004	0.023	0.001	-	-	0.011	-	-	0.065	0.049
HCM Control Delay (s)	9.6	8.6	7.3	0	-	7.4	0	-	9.8	8.7
HCM Lane LOS	A	A	A	A	-	A	A	-	A	A
HCM 95th %tile Q(veh)	0	0.1	0	-	-	0	-	-	0.2	0.2

Intersection	
Int Delay, s/veh	4.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	1	52	1	15	61	2	3	0	21	49	3	46
Future Vol, veh/h	1	52	1	15	61	2	3	0	21	49	3	46
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	57	1	16	66	2	3	0	23	53	3	50

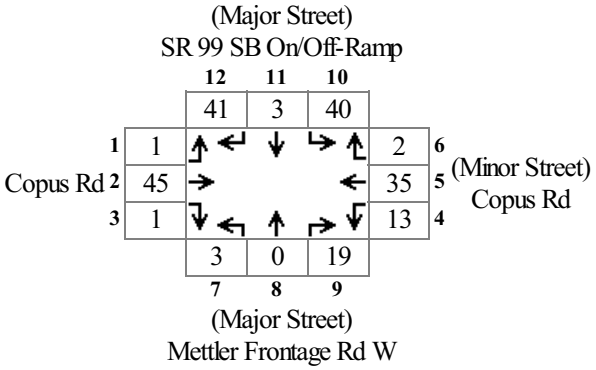
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	68	0	0	58	0	0	161	160	57	159	160	67
Stage 1	-	-	-	-	-	-	59	59	-	100	100	-
Stage 2	-	-	-	-	-	-	102	101	-	59	60	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1533	-	-	1546	-	-	804	732	1009	807	732	997
Stage 1	-	-	-	-	-	-	953	846	-	906	812	-
Stage 2	-	-	-	-	-	-	904	811	-	953	845	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1533	-	-	1546	-	-	754	723	1009	782	723	997
Mov Cap-2 Maneuver	-	-	-	-	-	-	754	723	-	782	723	-
Stage 1	-	-	-	-	-	-	952	845	-	905	803	-
Stage 2	-	-	-	-	-	-	846	802	-	931	844	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	1.4	8.8	9.4
HCM LOS			A	A

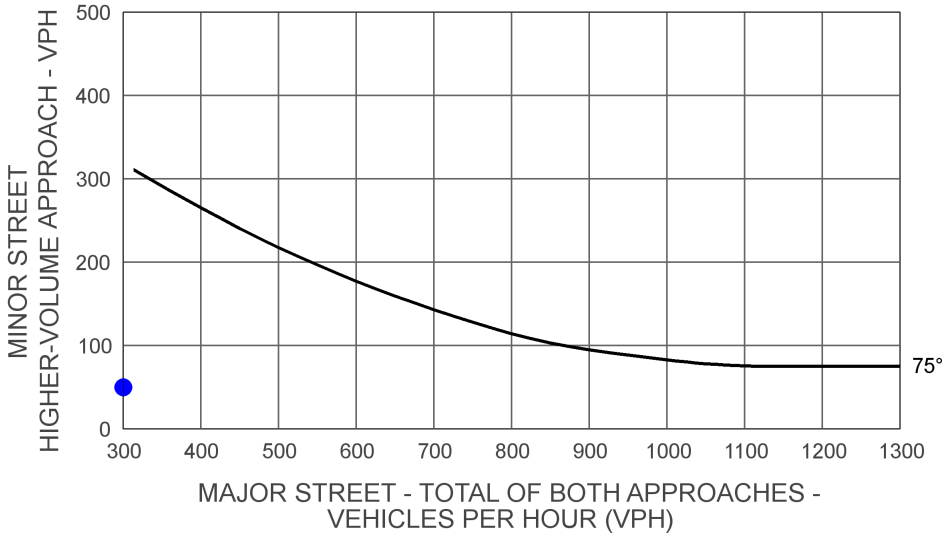
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	754	1009	1533	-	-	1546	-	-	778	997
HCM Lane V/C Ratio	0.004	0.023	0.001	-	-	0.011	-	-	0.073	0.05
HCM Control Delay (s)	9.8	8.7	7.3	0	-	7.4	0	-	10	8.8
HCM Lane LOS	A	A	A	A	-	A	A	-	B	A
HCM 95th %tile Q(veh)	0	0.1	0	-	-	0	-	-	0.2	0.2

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 11

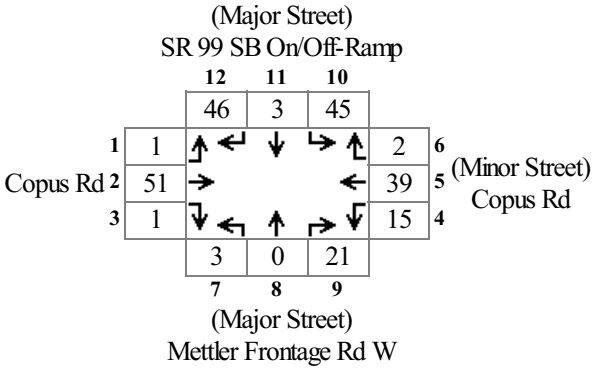


Major Total: 106
Minor High Volume: 50

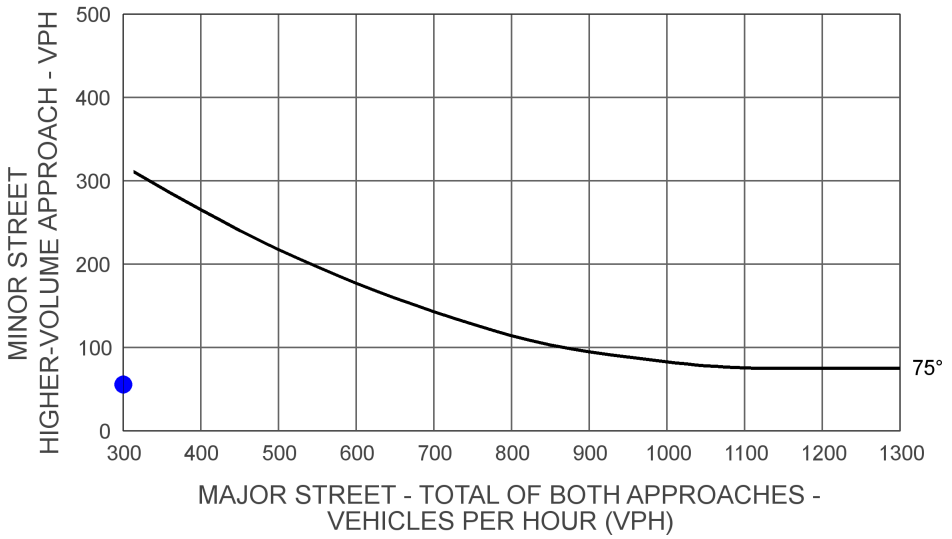


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 11

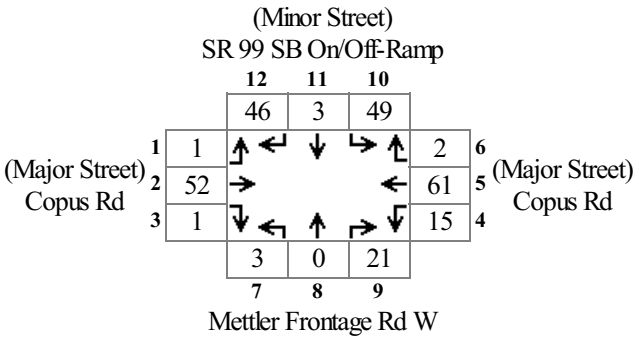


Major Total: 118
Minor High Volume: 56

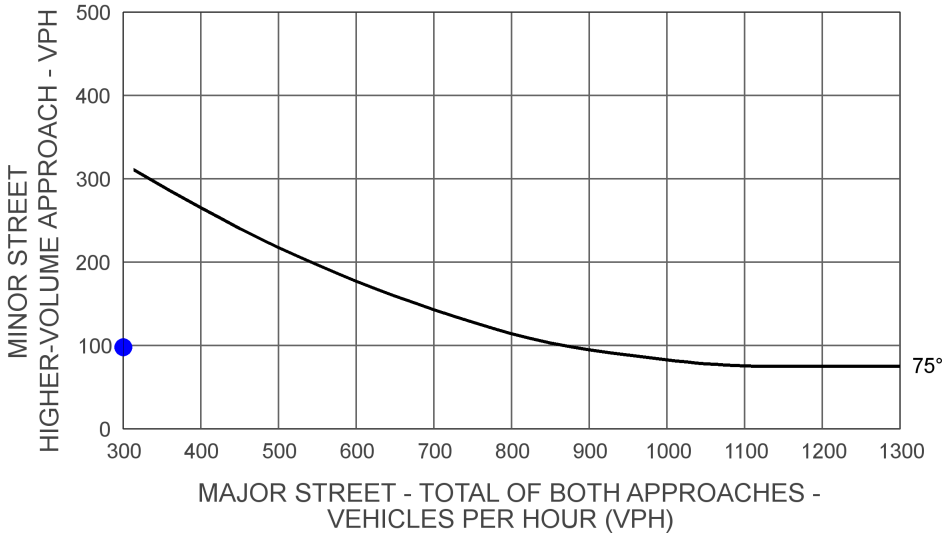


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 11



Major Total: 132
Minor High Volume: 98



Intersection	
Int Delay, s/veh	2.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	1	115	5	6	33	2	2	0	47	6	2	9
Future Vol, veh/h	1	115	5	6	33	2	2	0	47	6	2	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	125	5	7	36	2	2	0	51	7	2	10

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	38	0	0	130	0	0	181	181	128	180	183	37
Stage 1	-	-	-	-	-	-	130	130	-	50	50	-
Stage 2	-	-	-	-	-	-	51	51	-	130	133	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1572	-	-	1455	-	-	781	713	922	782	711	1035
Stage 1	-	-	-	-	-	-	874	789	-	963	853	-
Stage 2	-	-	-	-	-	-	962	852	-	874	786	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1572	-	-	1455	-	-	768	709	922	735	707	1035
Mov Cap-2 Maneuver	-	-	-	-	-	-	768	709	-	735	707	-
Stage 1	-	-	-	-	-	-	873	788	-	962	849	-
Stage 2	-	-	-	-	-	-	946	848	-	825	785	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	1.1	9.1	9.2
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	768	922	1572	-	-	1455	-	-	728	1035
HCM Lane V/C Ratio	0.003	0.055	0.001	-	-	0.004	-	-	0.012	0.009
HCM Control Delay (s)	9.7	9.1	7.3	0	-	7.5	0	-	10	8.5
HCM Lane LOS	A	A	A	A	-	A	A	-	B	A
HCM 95th %tile Q(veh)	0	0.2	0	-	-	0	-	-	0	0

Intersection	
Int Delay, s/veh	2.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	1	124	5	6	36	2	2	0	51	7	2	11
Future Vol, veh/h	1	124	5	6	36	2	2	0	51	7	2	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	135	5	7	39	2	2	0	55	8	2	12

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	41	0	0	140	0	0	194	194	137	193	195	40
Stage 1	-	-	-	-	-	-	140	140	-	53	53	-
Stage 2	-	-	-	-	-	-	54	54	-	140	142	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1568	-	-	1443	-	-	765	701	911	767	700	1031
Stage 1	-	-	-	-	-	-	863	781	-	960	851	-
Stage 2	-	-	-	-	-	-	958	850	-	863	779	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1568	-	-	1443	-	-	751	697	911	717	696	1031
Mov Cap-2 Maneuver	-	-	-	-	-	-	751	697	-	717	696	-
Stage 1	-	-	-	-	-	-	862	780	-	959	847	-
Stage 2	-	-	-	-	-	-	940	846	-	810	778	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	1	9.2	9.2
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	751	911	1568	-	-	1443	-	-	712	1031
HCM Lane V/C Ratio	0.003	0.061	0.001	-	-	0.005	-	-	0.014	0.012
HCM Control Delay (s)	9.8	9.2	7.3	0	-	7.5	0	-	10.1	8.5
HCM Lane LOS	A	A	A	A	-	A	A	-	B	A
HCM 95th %tile Q(veh)	0	0.2	0	-	-	0	-	-	0	0

Intersection	
Int Delay, s/veh	2.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Vol, veh/h	1	146	5	6	37	3	2	0	51	7	2	11
Future Vol, veh/h	1	146	5	6	37	3	2	0	51	7	2	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	159	5	7	40	3	2	0	55	8	2	12

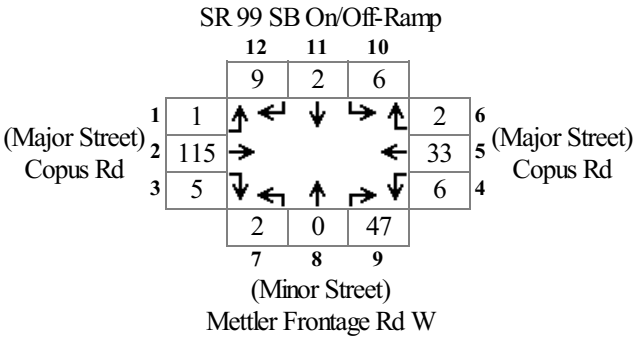
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	43	0	0	164	0	0	220	221	161	219	221	42
Stage 1	-	-	-	-	-	-	164	164	-	55	55	-
Stage 2	-	-	-	-	-	-	56	57	-	164	166	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1566	-	-	1414	-	-	736	678	884	737	678	1029
Stage 1	-	-	-	-	-	-	838	762	-	957	849	-
Stage 2	-	-	-	-	-	-	956	847	-	838	761	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1566	-	-	1414	-	-	722	674	884	688	674	1029
Mov Cap-2 Maneuver	-	-	-	-	-	-	722	674	-	688	674	-
Stage 1	-	-	-	-	-	-	837	761	-	956	845	-
Stage 2	-	-	-	-	-	-	938	843	-	785	760	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	1	9.3	9.3
HCM LOS			A	A

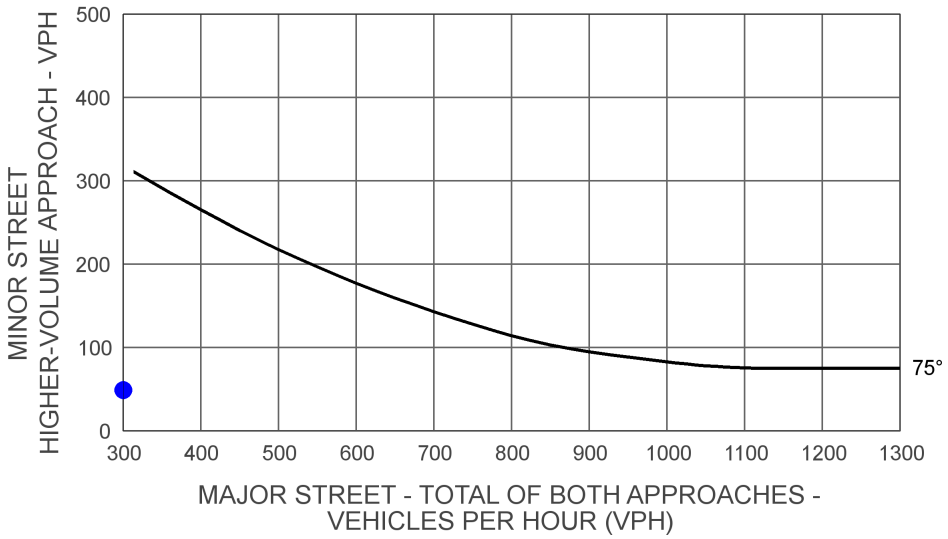
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	722	884	1566	-	-	1414	-	-	685	1029
HCM Lane V/C Ratio	0.003	0.063	0.001	-	-	0.005	-	-	0.014	0.012
HCM Control Delay (s)	10	9.3	7.3	0	-	7.6	0	-	10.3	8.5
HCM Lane LOS	B	A	A	A	-	A	A	-	B	A
HCM 95th %tile Q(veh)	0	0.2	0	-	-	0	-	-	0	0

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 11

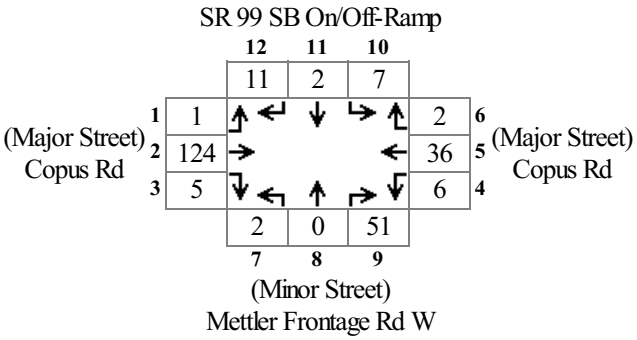


Major Total: 162
Minor High Volume: 49

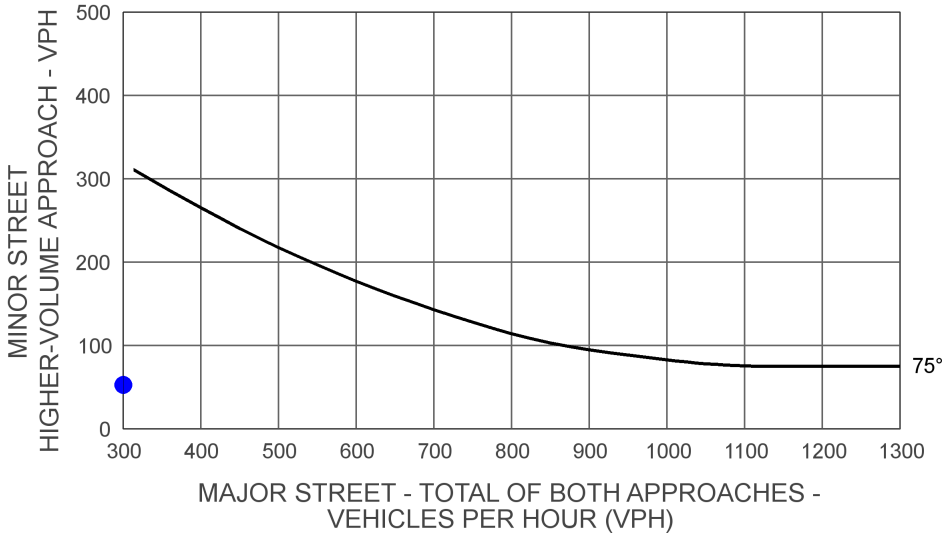


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 11

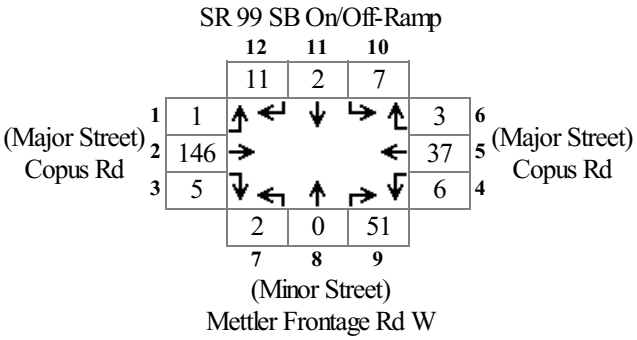


Major Total: 174
Minor High Volume: 53

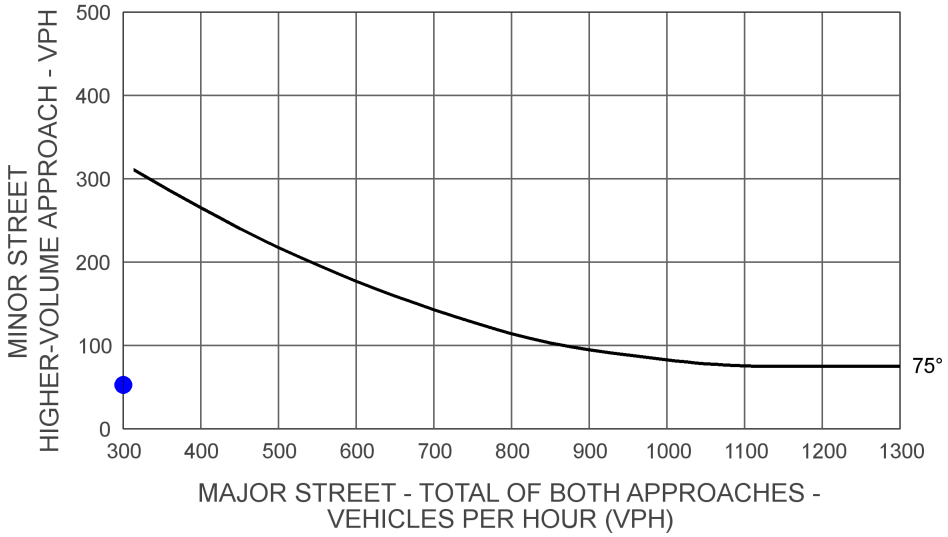


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 11



Major Total: 198
Minor High Volume: 53



Intersection 12
Mettler Frontage Rd & Copus Rd

Intersection	
Int Delay, s/veh	0.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	60	45	6	45	7	4
Future Vol, veh/h	60	45	6	45	7	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	65	49	7	49	8	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	114	0	152	90
Stage 1	-	-	-	-	90	-
Stage 2	-	-	-	-	62	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1475	-	840	968
Stage 1	-	-	-	-	934	-
Stage 2	-	-	-	-	961	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1475	-	836	968
Mov Cap-2 Maneuver	-	-	-	-	836	-
Stage 1	-	-	-	-	934	-
Stage 2	-	-	-	-	956	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.9	9.1
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	836	968	-	-	1475	-
HCM Lane V/C Ratio	0.009	0.004	-	-	0.004	-
HCM Control Delay (s)	9.3	8.7	-	-	7.5	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	68	51	7	51	8	5
Future Vol, veh/h	68	51	7	51	8	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	74	55	8	55	9	5

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	129	0	173	102
Stage 1	-	-	-	-	102	-
Stage 2	-	-	-	-	71	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1457	-	817	953
Stage 1	-	-	-	-	922	-
Stage 2	-	-	-	-	952	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1457	-	812	953
Mov Cap-2 Maneuver	-	-	-	-	812	-
Stage 1	-	-	-	-	922	-
Stage 2	-	-	-	-	946	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.9	9.2
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	812	953	-	-	1457	-
HCM Lane V/C Ratio	0.011	0.006	-	-	0.005	-
HCM Control Delay (s)	9.5	8.8	-	-	7.5	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-

Intersection	
Int Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	73	51	7	51	30	7
Future Vol, veh/h	73	51	7	51	30	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	79	55	8	55	33	8

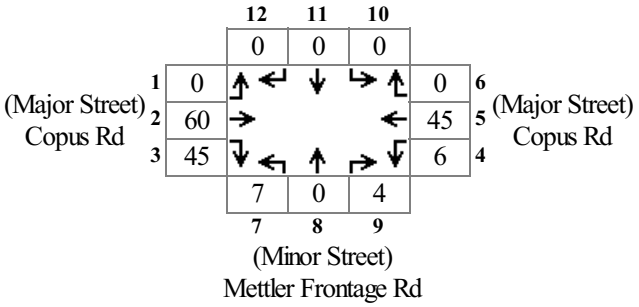
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	135	0	178	107
Stage 1	-	-	-	-	107	-
Stage 2	-	-	-	-	71	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1449	-	812	947
Stage 1	-	-	-	-	917	-
Stage 2	-	-	-	-	952	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1449	-	807	947
Mov Cap-2 Maneuver	-	-	-	-	807	-
Stage 1	-	-	-	-	917	-
Stage 2	-	-	-	-	946	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.9	9.4
HCM LOS			A

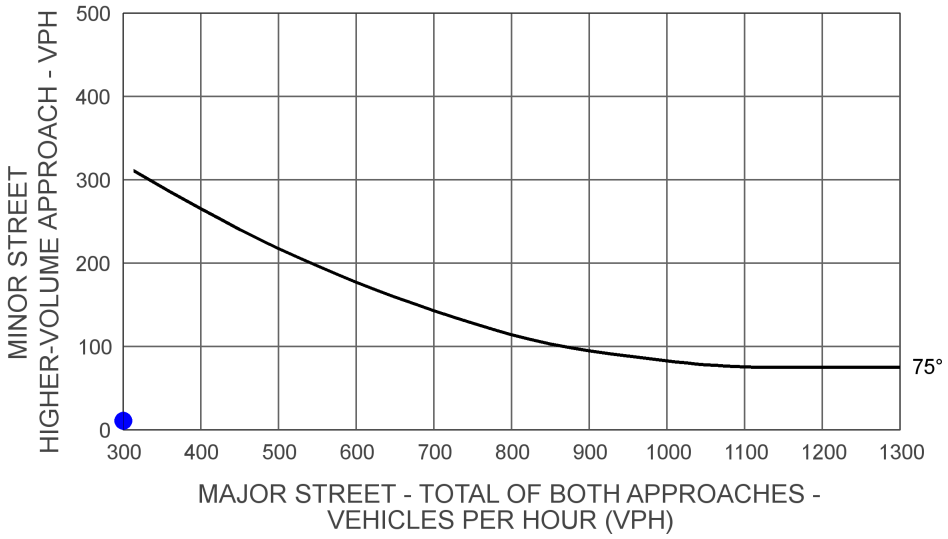
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	807	947	-	-	1449	-
HCM Lane V/C Ratio	0.04	0.008	-	-	0.005	-
HCM Control Delay (s)	9.6	8.8	-	-	7.5	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 12

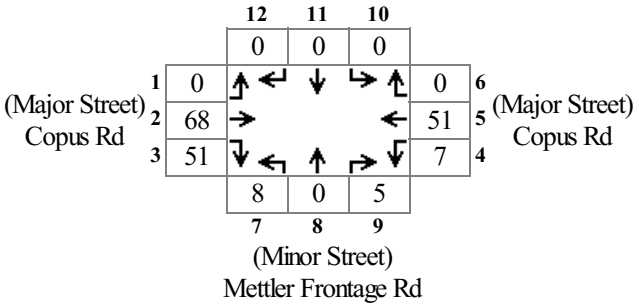


Major Total: 156
Minor High Volume: 11

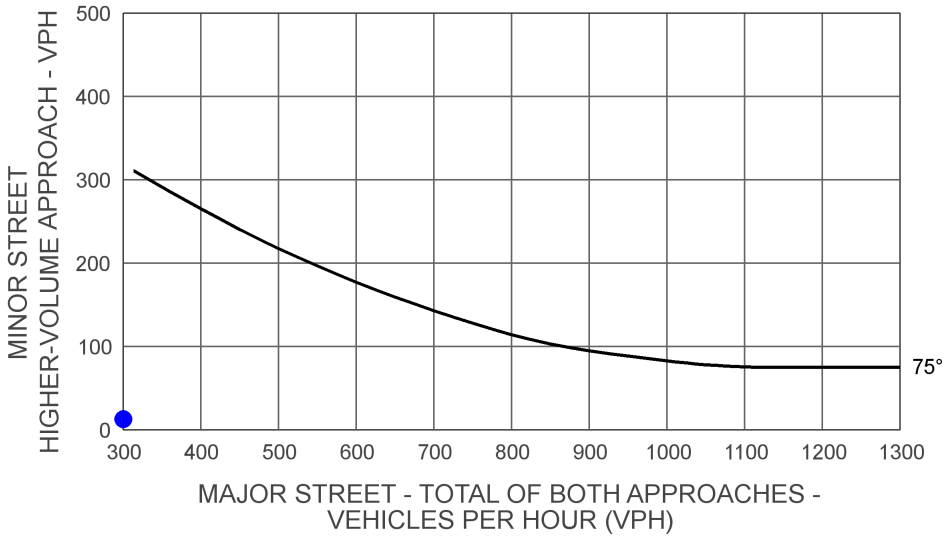


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 12

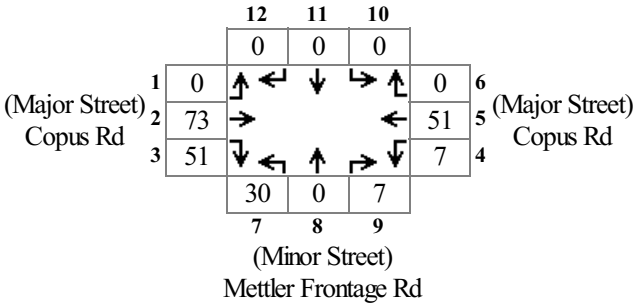


Major Total: 177
Minor High Volume: 13

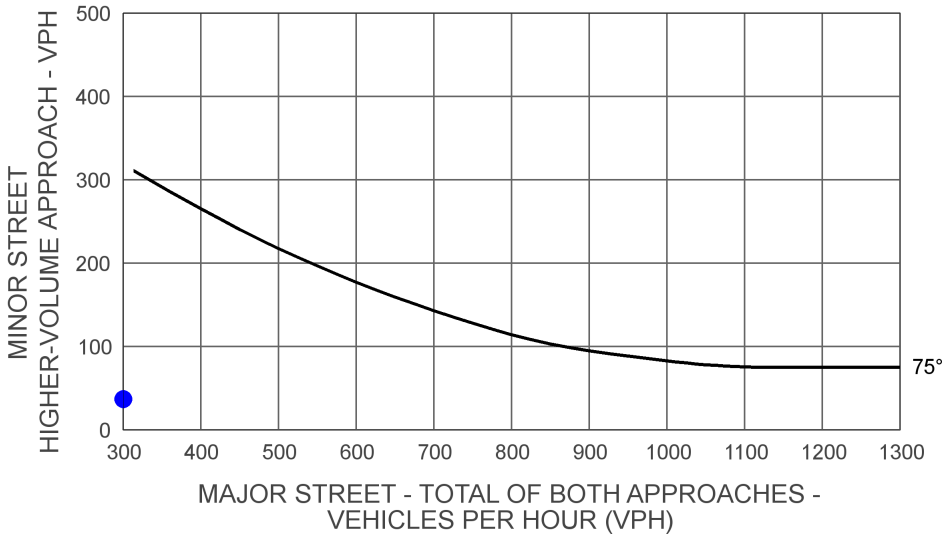


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 12



Major Total: 182
Minor High Volume: 37



Intersection	
Int Delay, s/veh	1.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	79	90	29	39	3	13
Future Vol, veh/h	79	90	29	39	3	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	86	98	32	42	3	14

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	184	0	240	135
Stage 1	-	-	-	-	135	-
Stage 2	-	-	-	-	105	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1391	-	748	914
Stage 1	-	-	-	-	891	-
Stage 2	-	-	-	-	919	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1391	-	730	914
Mov Cap-2 Maneuver	-	-	-	-	730	-
Stage 1	-	-	-	-	891	-
Stage 2	-	-	-	-	897	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.3	9.2
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	730	914	-	-	1391	-
HCM Lane V/C Ratio	0.004	0.015	-	-	0.023	-
HCM Control Delay (s)	10	9	-	-	7.6	0
HCM Lane LOS	B	A	-	-	A	A
HCM 95th %tile Q(veh)	0	0	-	-	0.1	-

Intersection	
Int Delay, s/veh	1.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	85	97	31	42	4	16
Future Vol, veh/h	85	97	31	42	4	16
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	92	105	34	46	4	17

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	198	0	258	145
Stage 1	-	-	-	-	145	-
Stage 2	-	-	-	-	113	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1375	-	731	902
Stage 1	-	-	-	-	882	-
Stage 2	-	-	-	-	912	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1375	-	713	902
Mov Cap-2 Maneuver	-	-	-	-	713	-
Stage 1	-	-	-	-	882	-
Stage 2	-	-	-	-	889	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.3	9.3
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	713	902	-	-	1375	-
HCM Lane V/C Ratio	0.006	0.019	-	-	0.025	-
HCM Control Delay (s)	10.1	9.1	-	-	7.7	0
HCM Lane LOS	B	A	-	-	A	A
HCM 95th %tile Q(veh)	0	0.1	-	-	0.1	-

Intersection	
Int Delay, s/veh	1.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Vol, veh/h	85	119	36	44	4	16
Future Vol, veh/h	85	119	36	44	4	16
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	92	129	39	48	4	17

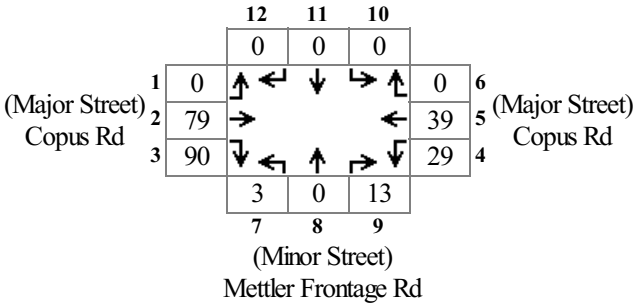
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	222	0	283	157
Stage 1	-	-	-	-	157	-
Stage 2	-	-	-	-	126	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1347	-	707	889
Stage 1	-	-	-	-	871	-
Stage 2	-	-	-	-	900	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1347	-	686	889
Mov Cap-2 Maneuver	-	-	-	-	686	-
Stage 1	-	-	-	-	871	-
Stage 2	-	-	-	-	873	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.5	9.3
HCM LOS			A

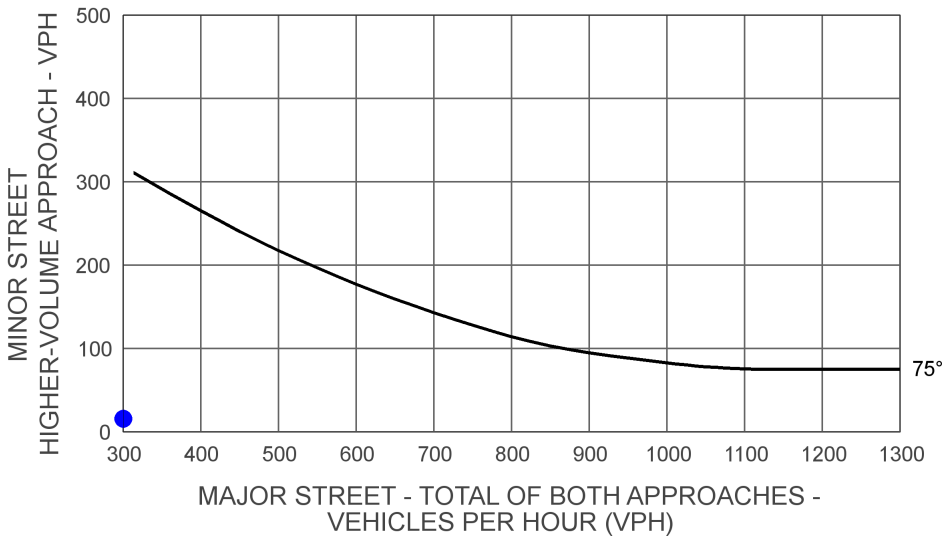
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	686	889	-	-	1347	-
HCM Lane V/C Ratio	0.006	0.02	-	-	0.029	-
HCM Control Delay (s)	10.3	9.1	-	-	7.8	0
HCM Lane LOS	B	A	-	-	A	A
HCM 95th %tile Q(veh)	0	0.1	-	-	0.1	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 12

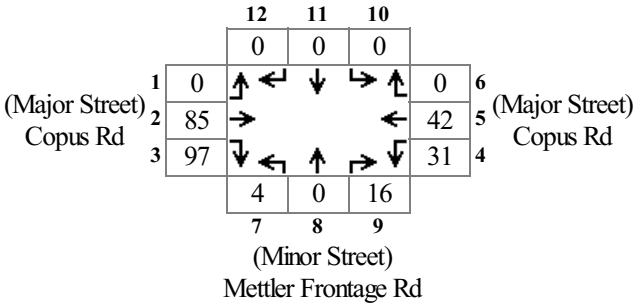


Major Total: 237
Minor High Volume: 16

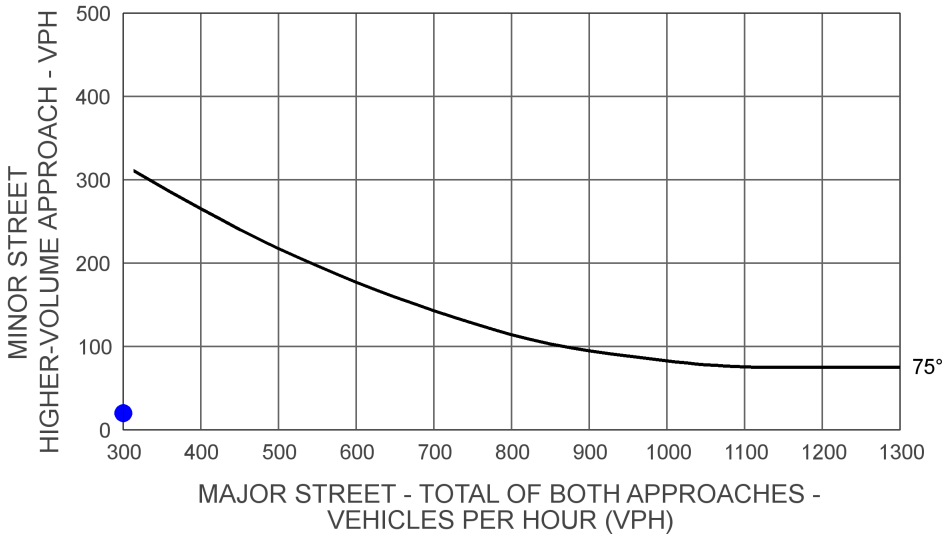


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 12

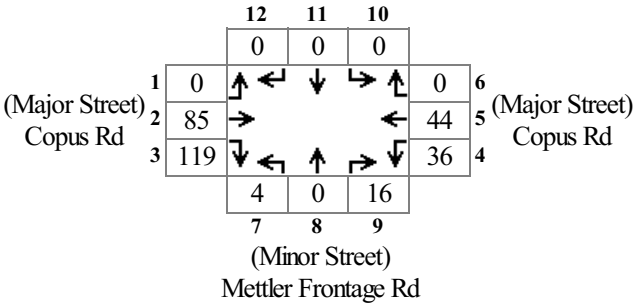


Major Total: 255
Minor High Volume: 20

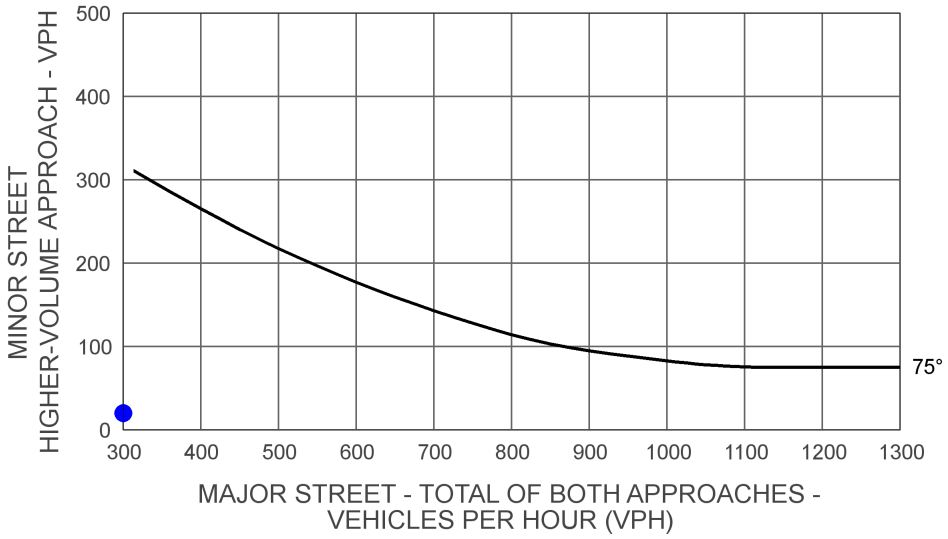


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 12



Major Total: 284
Minor High Volume: 20



Intersection 13
Mettler Frontage Rd & SR 99 NB On-Ramp

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Traffic Vol, veh/h	4	1	7	7	24	27
Future Vol, veh/h	4	1	7	7	24	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	1	8	8	26	29

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	64	41	55	0	-	0
Stage 1	41	-	-	-	-	-
Stage 2	23	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	942	1030	1550	-	-	-
Stage 1	981	-	-	-	-	-
Stage 2	1000	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	937	1030	1550	-	-	-
Mov Cap-2 Maneuver	937	-	-	-	-	-
Stage 1	981	-	-	-	-	-
Stage 2	995	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.8	3.7	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1550	-	937	1030	-	-
HCM Lane V/C Ratio	0.005	-	0.005	0.001	-	-
HCM Control Delay (s)	7.3	0	8.9	8.5	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0	0	-	-

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Traffic Vol, veh/h	5	1	8	8	27	30
Future Vol, veh/h	5	1	8	8	27	30
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	1	9	9	29	33

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	72	46	62	0	-	0
Stage 1	46	-	-	-	-	-
Stage 2	26	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	932	1023	1541	-	-	-
Stage 1	976	-	-	-	-	-
Stage 2	997	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	926	1023	1541	-	-	-
Mov Cap-2 Maneuver	926	-	-	-	-	-
Stage 1	976	-	-	-	-	-
Stage 2	991	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.8	3.7	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1541	-	926	1023	-	-
HCM Lane V/C Ratio	0.006	-	0.006	0.001	-	-
HCM Control Delay (s)	7.3	0	8.9	8.5	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0	0	-	-

Intersection	
Int Delay, s/veh	3.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Traffic Vol, veh/h	29	1	8	8	27	30
Future Vol, veh/h	29	1	8	8	27	30
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	32	1	9	9	29	33

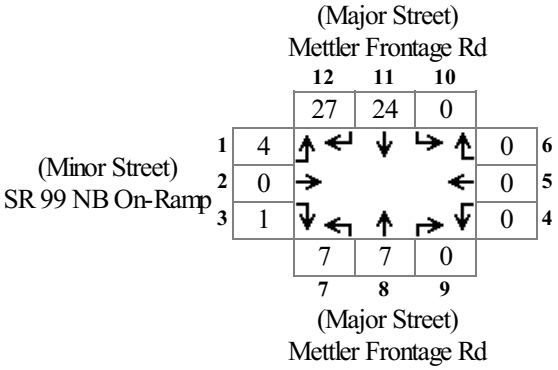
Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	72	46	62	0	-	0
Stage 1	46	-	-	-	-	-
Stage 2	26	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	932	1023	1541	-	-	-
Stage 1	976	-	-	-	-	-
Stage 2	997	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	926	1023	1541	-	-	-
Mov Cap-2 Maneuver	926	-	-	-	-	-
Stage 1	976	-	-	-	-	-
Stage 2	991	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9	3.7	0
HCM LOS	A		

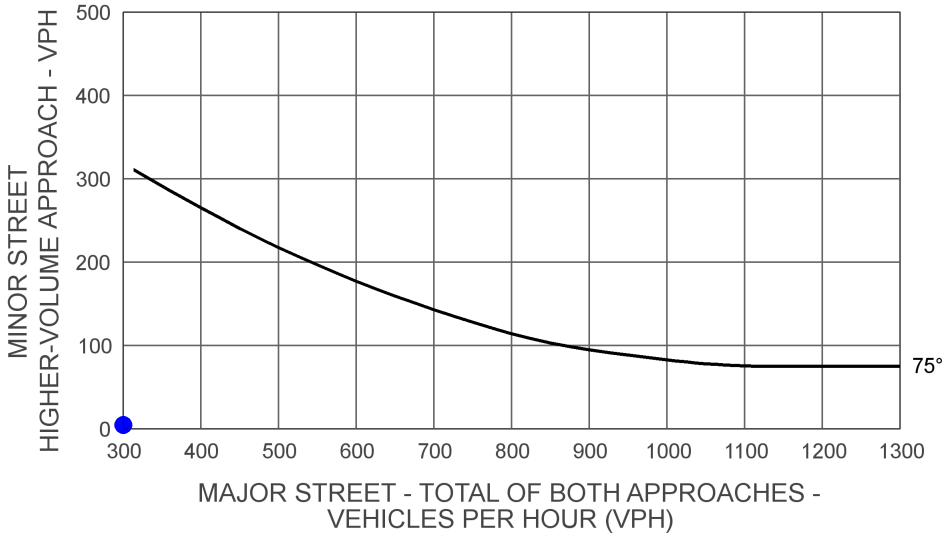
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1541	-	926	1023	-	-
HCM Lane V/C Ratio	0.006	-	0.034	0.001	-	-
HCM Control Delay (s)	7.3	0	9	8.5	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.1	0	-	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 13

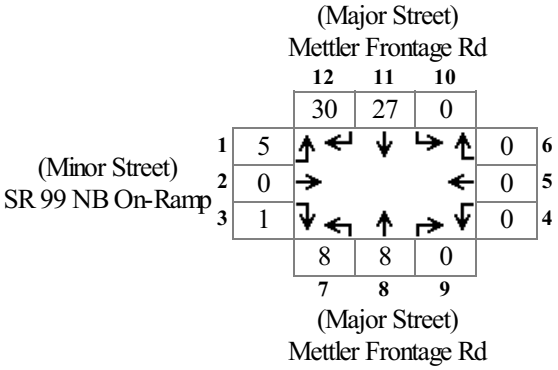


Major Total: 65
Minor High Volume: 5

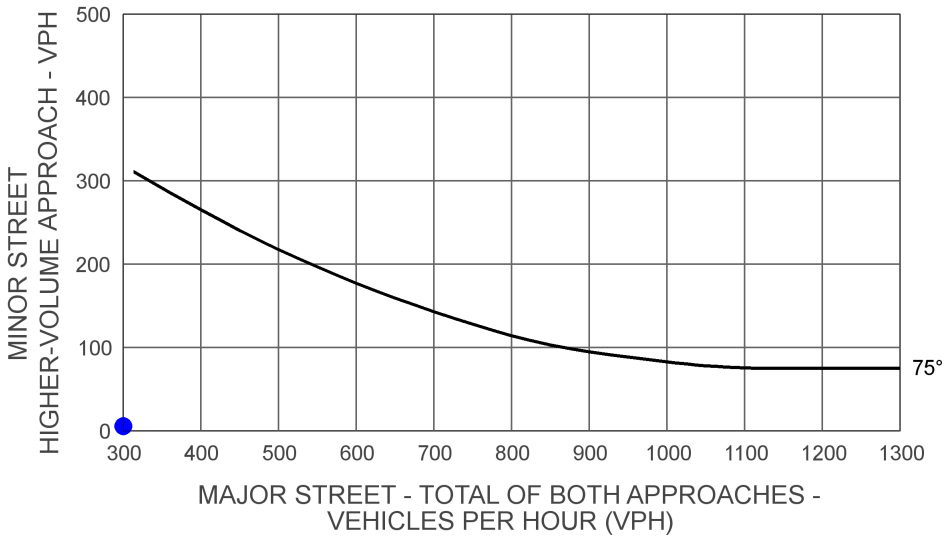


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 13

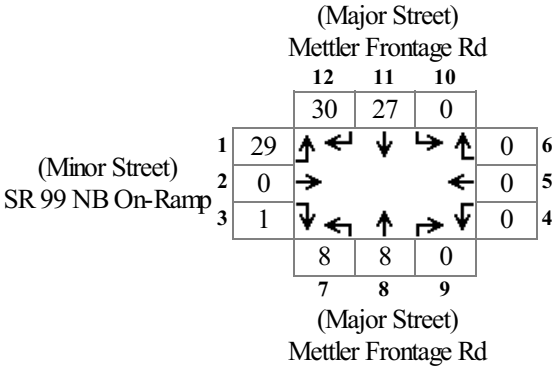


Major Total: 73
Minor High Volume: 6

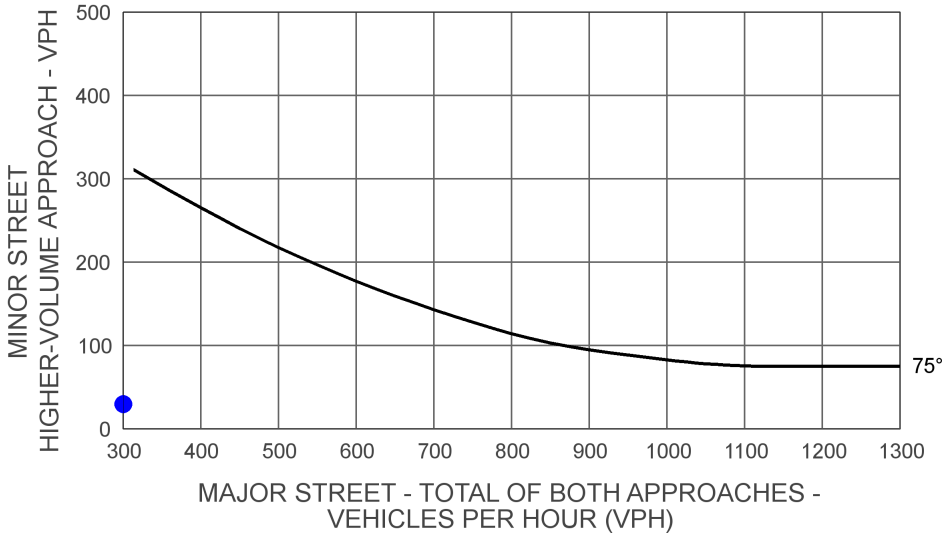


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 13



Major Total: 73
Minor High Volume: 30



Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Traffic Vol, veh/h	6	0	32	10	1	121
Future Vol, veh/h	6	0	32	10	1	121
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	7	0	35	11	1	132

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	147	67	133	0	-	0
Stage 1	67	-	-	-	-	-
Stage 2	80	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	845	997	1452	-	-	-
Stage 1	956	-	-	-	-	-
Stage 2	943	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	825	997	1452	-	-	-
Mov Cap-2 Maneuver	825	-	-	-	-	-
Stage 1	956	-	-	-	-	-
Stage 2	920	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9.4	5.7	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1452	-	825	-	-	-
HCM Lane V/C Ratio	0.024	-	0.008	-	-	-
HCM Control Delay (s)	7.5	0	9.4	0	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0.1	-	0	-	-	-

Intersection	
Int Delay, s/veh	1.8

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Traffic Vol, veh/h	7	0	36	11	1	136
Future Vol, veh/h	7	0	36	11	1	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	0	39	12	1	148

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	165	75	149	0	-	0
Stage 1	75	-	-	-	-	-
Stage 2	90	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	826	986	1432	-	-	-
Stage 1	948	-	-	-	-	-
Stage 2	934	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	804	986	1432	-	-	-
Mov Cap-2 Maneuver	804	-	-	-	-	-
Stage 1	948	-	-	-	-	-
Stage 2	909	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9.5	5.8	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1432	-	804	-	-	-
HCM Lane V/C Ratio	0.027	-	0.009	-	-	-
HCM Control Delay (s)	7.6	0	9.5	0	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0.1	-	0	-	-	-

Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Traffic Vol, veh/h	7	0	36	11	1	163
Future Vol, veh/h	7	0	36	11	1	163
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	0	39	12	1	177

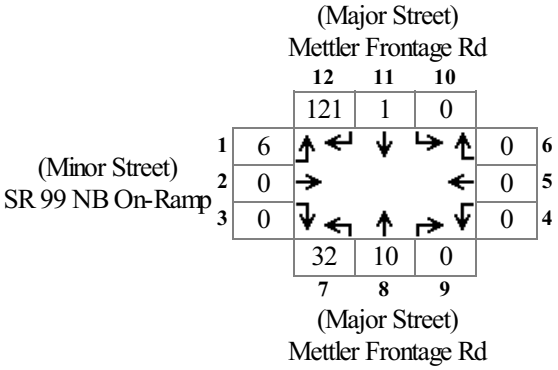
Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	180	90	178	0	-	0
Stage 1	90	-	-	-	-	-
Stage 2	90	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	810	968	1398	-	-	-
Stage 1	934	-	-	-	-	-
Stage 2	934	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	787	968	1398	-	-	-
Mov Cap-2 Maneuver	787	-	-	-	-	-
Stage 1	934	-	-	-	-	-
Stage 2	908	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9.6	5.9	0
HCM LOS	A		

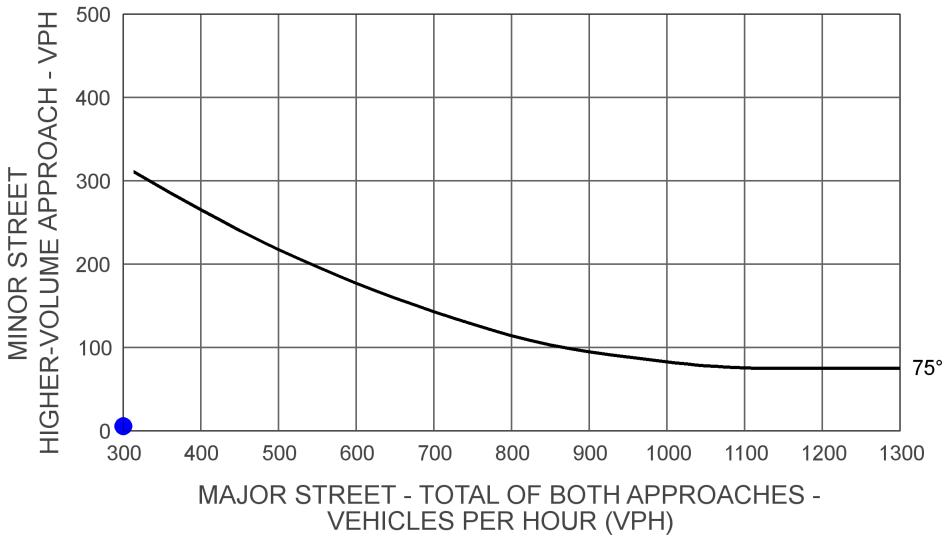
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1398	-	787	-	-	-
HCM Lane V/C Ratio	0.028	-	0.01	-	-	-
HCM Control Delay (s)	7.6	0	9.6	0	-	-
HCM Lane LOS	A	A	A	A	-	-
HCM 95th %tile Q(veh)	0.1	-	0	-	-	-

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 13

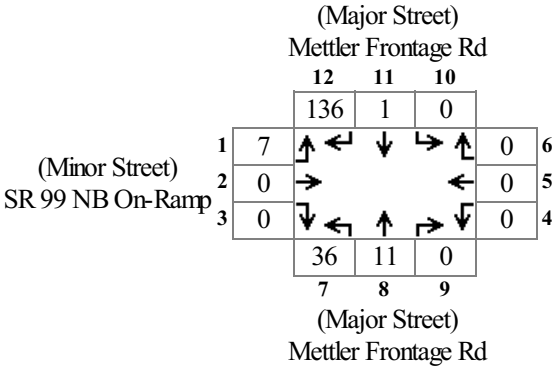


Major Total: 164
Minor High Volume: 6

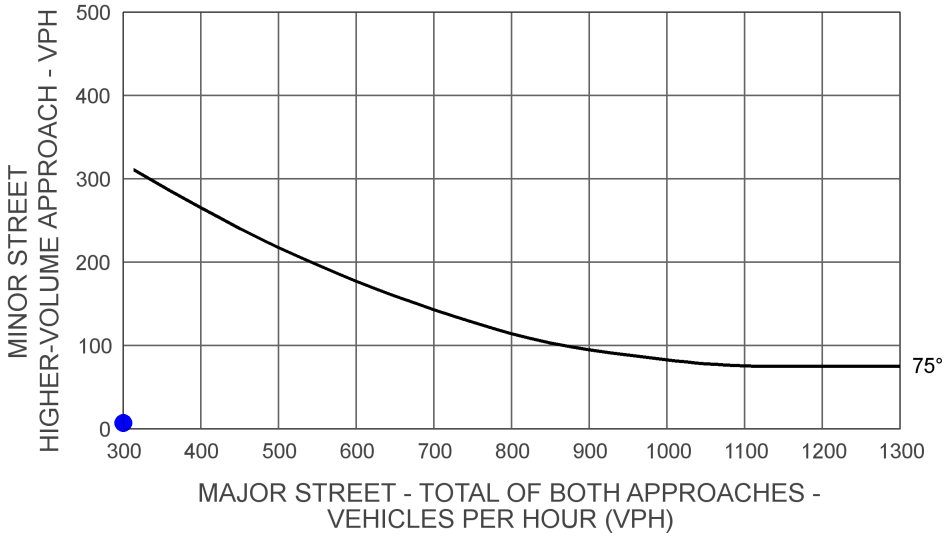


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 13

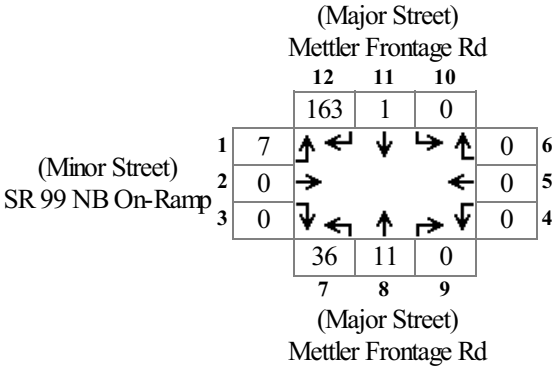


Major Total: 184
Minor High Volume: 7

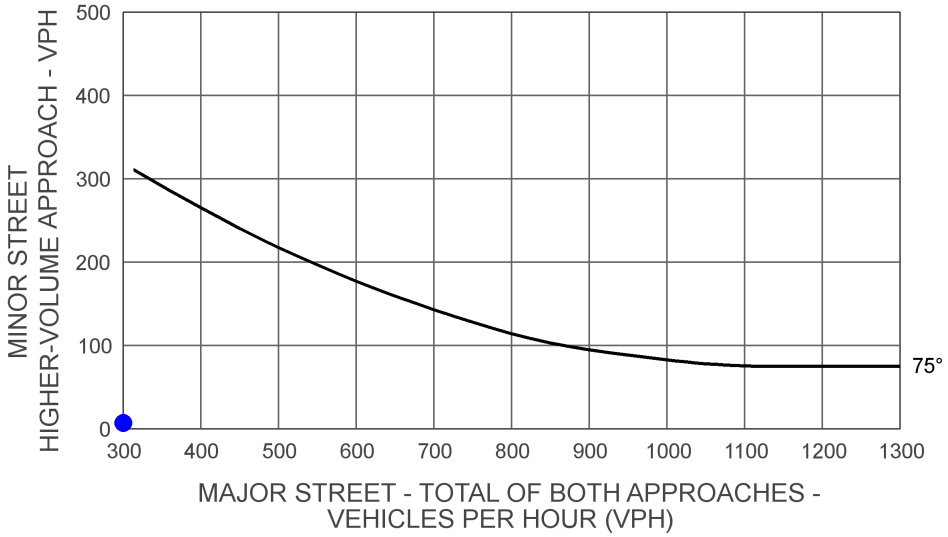


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 13



Major Total: 211
Minor High Volume: 7



Vehicle Turn Movement Data

Location ID: 1
North/South: Old River Road
East/West: Bear Mountain Boulevard (SR 223)

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	4	29	8	5	7	24	7	8	6	3	11	1	113
7:15	1	21	5	6	2	22	12	8	1	2	7	3	90
7:30	4	40	8	5	8	15	16	14	1	1	11	4	127
7:45	3	36	4	10	10	25	9	16	1	1	10	1	126
8:00													
8:15													
8:30													
8:45													
Total Volume:	12	126	25	26	27	86	44	46	9	7	39	9	456
Approach %	7%	77%	15%	19%	19%	62%	44%	46%	9%	13%	71%	16%	

Peak Hr Begin:	7:00												
PHV	12	126	25	26	27	86	44	46	9	7	39	9	456
PHF	0.784			0.772			0.798			0.859			0.898

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	5	10	2	4	8	16	78	58	1	2	42	9	235
16:45	3	9	5	1	11	19	59	58	3	0	10	3	181
17:00	1	19	1	6	4	13	32	28	0	0	38	3	145
17:15	4	12	7	4	7	11	31	34	0	0	17	1	128
17:30													
17:45													
Total Volume:	13	50	15	15	30	59	200	178	4	2	107	16	689
Approach %	17%	64%	19%	14%	29%	57%	52%	47%	1%	2%	86%	13%	

Peak Hr Begin:	16:30												
PHV	13	50	15	15	30	59	200	178	4	2	107	16	689
PHF	0.848			0.839			0.697			0.590			0.733

Location ID: 2
North/South: Wible Road
East/West: Bear Mountain Boulevard (SR 223)

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	2	0	1	0	28	3	1	2	0	2	28	0	67
7:15	2	0	2	2	26	0	0	0	0	0	40	0	72
7:30	2	0	3	2	40	1	1	1	0	1	41	0	92
7:45	2	1	0	0	42	1	0	0	2	0	26	0	74
8:00													
8:15													
8:30													
8:45													
Total Volume:	8	1	6	4	136	5	2	3	2	3	135	0	305
Approach %	53%	7%	40%	3%	94%	3%	29%	43%	29%	2%	98%	0%	

Peak Hr Begin:	7:00												
PHV	8	1	6	4	136	5	2	3	2	3	135	0	305
PHF	0.750			0.843			0.583			0.821			0.829

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	2	4	4	2	39	0	2	4	1	0	103	3	164
16:45	1	1	0	1	37	1	4	3	1	0	77	7	133
17:00	2	2	1	4	32	0	1	0	0	0	69	7	118
17:15	2	0	1	1	26	0	0	2	0	0	58	2	92
17:30													
17:45													
Total Volume:	7	7	6	8	134	1	7	9	2	0	307	19	507
Approach %	35%	35%	30%	6%	94%	1%	39%	50%	11%	0%	94%	6%	

Peak Hr Begin:	16:30												
PHV	7	7	6	8	134	1	7	9	2	0	307	19	507
PHF	0.500			0.872			0.563			0.769			0.773

Location ID: 3
North/South: Costajo Road
East/West: Bear Mountain Boulevard (SR 223)

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	14	0	44	7	17	0	0	0	0	0	24	4	110
7:15	8	0	70	4	17	0	0	0	0	0	39	3	141
7:30	25	0	55	6	21	0	0	0	0	0	33	6	146
7:45	30	0	43	13	19	0	0	0	0	0	31	6	142
8:00													
8:15													
8:30													
8:45													
Total Volume:	77	0	212	30	74	0	0	0	0	0	127	19	539
Approach %	27%	0%	73%	29%	71%	0%	0%	0%	0%	0%	87%	13%	

Peak Hr Begin:	7:00												
PHV	77	0	212	30	74	0	0	0	0	0	127	19	539
PHF	0.903			0.813			0.000			0.869			0.923

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	10	0	47	16	31	0	0	0	0	0	90	11	205
16:45	17	0	52	11	24	0	0	0	0	0	98	12	214
17:00	14	0	49	8	18	0	0	0	0	0	55	4	148
17:15	13	0	64	7	17	0	0	0	0	0	63	5	169
17:30													
17:45													
Total Volume:	54	0	212	42	90	0	0	0	0	0	306	32	736
Approach %	20%	0%	80%	32%	68%	0%	0%	0%	0%	0%	91%	9%	

Peak Hr Begin:	16:30												
PHV	54	0	212	42	90	0	0	0	0	0	306	32	736
PHF	0.864			0.702			0.000			0.768			0.860

Location ID: 4
North/South: SR 99 NB On/Off Ramps
East/West: Bear Mountain Boulevard (SR 223)

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	0	0	0	21	44	1	0	3	10	57	0	136
7:15	0	0	0	0	22	56	0	0	2	11	99	0	190
7:30	0	0	0	0	25	55	3	0	4	10	80	0	177
7:45	0	0	0	0	28	45	0	0	2	19	52	0	146
8:00													
8:15													
8:30													
8:45													
Total Volume:	0	0	0	0	96	200	4	0	11	50	288	0	649
Approach %	0%	0%	0%	0%	32%	68%	27%	0%	73%	15%	85%	0%	

Peak Hr Begin:	7:00												
PHV	0	0	0	0	96	200	4	0	11	50	288	0	649
PHF	0.000			0.925			0.536			0.768			0.854

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	0	0	0	40	34	2	0	6	51	85	0	218
16:45	0	0	0	0	29	65	1	0	7	48	98	0	248
17:00	0	0	0	0	19	40	0	0	4	30	75	0	168
17:15	0	0	0	0	26	47	2	0	0	33	97	0	205
17:30													
17:45													
Total Volume:	0	0	0	0	114	186	5	0	17	162	355	0	839
Approach %	0%	0%	0%	0%	38%	62%	23%	0%	77%	31%	69%	0%	

Peak Hr Begin:	16:30												
PHV	0	0	0	0	114	186	5	0	17	162	355	0	839
PHF	0.000			0.798			0.688			0.885			0.846

Location ID: 5
North/South: Old River Road
East/West: I-5 NB On/Off Ramps

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	31	0	5	0	0	0	10	1	0	0	0	47
7:15	0	25	0	3	0	1	0	25	0	0	0	0	54
7:30	0	40	0	12	0	0	0	14	2	0	0	0	68
7:45	1	37	0	6	0	0	0	16	2	0	0	0	62
8:00													
8:15													
8:30													
8:45													
Total Volume:	1	133	0	26	0	1	0	65	5	0	0	0	231
Approach %	1%	99%	0%	96%	0%	4%	0%	93%	7%	0%	0%	0%	

Peak Hr Begin:	7:00												
PHV	1	133	0	26	0	1	0	65	5	0	0	0	231
PHF	0.838			0.563			0.700			0.000			0.849

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	10	0	15	0	0	0	91	5	0	0	0	121
16:45	1	20	0	21	0	0	1	38	6	0	0	0	87
17:00	0	20	0	20	0	0	0	23	6	0	0	0	69
17:15	3	13	0	16	0	0	0	22	2	0	0	0	56
17:30													
17:45													
Total Volume:	4	63	0	72	0	0	1	174	19	0	0	0	333
Approach %	6%	94%	0%	100%	0%	0%	1%	90%	10%	0%	0%	0%	

Peak Hr Begin:	16:30												
PHV	4	63	0	72	0	0	1	174	19	0	0	0	333
PHF	0.798			0.857			0.505			0.000			0.688

Location ID: 6
North/South: Old River Road
East/West: I-5 SB On/Off Ramps

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	20	10	0	0	0	0	10	0	8	0	1	49
7:15	0	17	11	0	0	0	0	15	0	3	0	0	46
7:30	0	27	15	0	0	0	0	16	0	2	1	0	61
7:45	0	25	12	0	0	0	0	15	0	6	0	3	61
8:00													
8:15													
8:30													
8:45													
Total Volume:	0	89	48	0	0	0	0	56	0	19	1	4	217
Approach %	0%	65%	35%	0%	0%	0%	0%	100%	0%	79%	4%	17%	

Peak Hr Begin:	7:00												
PHV	0	89	48	0	0	0	0	56	0	19	1	4	217
PHF	0.815			0.000			0.875			0.667			0.889

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	7	3	0	0	0	0	92	0	1	0	2	105
16:45	0	9	11	0	0	0	1	45	0	1	0	0	67
17:00	0	14	5	0	0	0	0	27	0	1	0	0	47
17:15	0	10	3	0	0	0	0	22	0	1	0	0	36
17:30													
17:45													
Total Volume:	0	40	22	0	0	0	1	186	0	4	0	2	255
Approach %	0%	65%	35%	0%	0%	0%	1%	99%	0%	67%	0%	33%	

Peak Hr Begin:	16:30												
PHV	0	40	22	0	0	0	1	186	0	4	0	2	255
PHF	0.775			0.000			0.508			0.500			0.607

Location ID: 7
North/South: Wible Road
East/West: Millux Road

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	0	0	0	0	2	0	0	1	3	0	0	6
7:15	0	0	0	0	0	0	1	0	1	3	1	0	6
7:30	0	0	0	0	1	0	1	0	0	0	0	0	2
7:45	0	0	0	0	0	0	0	0	1	1	0	0	2
8:00													
8:15													
8:30													
8:45													
Total Volume:	0	0	0	0	1	2	2	0	3	7	1	0	16
Approach %	0%	0%	0%	0%	33%	67%	40%	0%	60%	88%	13%	0%	

Peak Hr Begin:	7:00												
PHV	0	0	0	0	1	2	2	0	3	7	1	0	16
PHF	0.000			0.375			0.625			0.500			0.667

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	0	0	0	1	0	0	0	3	0	0	0	4
16:45	0	0	0	0	1	0	0	0	3	1	0	0	5
17:00	0	0	0	0	0	0	1	0	1	0	1	0	3
17:15	0	0	0	0	0	0	0	0	2	0	0	0	2
17:30													
17:45													
Total Volume:	0	0	0	0	2	0	1	0	9	1	1	0	14
Approach %	0%	0%	0%	0%	100%	0%	10%	0%	90%	50%	50%	0%	

Peak Hr Begin:	16:30												
PHV	0	0	0	0	2	0	1	0	9	1	1	0	14
PHF	0.000			0.500			0.833			0.500			0.700

Location ID: 8
North/South: Old River Road
East/West: Copus Road

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	7	26	1	1	6	3	4	8	0	2	3	1	62
7:15	5	14	0	0	3	5	7	11	3	0	0	4	52
7:30	2	17	2	0	8	9	3	11	0	2	1	4	59
7:45	11	27	3	1	5	19	4	16	1	1	4	1	93
8:00													
8:15													
8:30													
8:45													
Total Volume:	25	84	6	2	22	36	18	46	4	5	8	10	266
Approach %	22%	73%	5%	3%	37%	60%	26%	68%	6%	22%	35%	43%	

Peak Hr Begin:	7:00												
PHV	25	84	6	2	22	36	18	46	4	5	8	10	266
PHF	0.701			0.600			0.810			0.821			0.715

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	4	5	1	2	18	3	29	43	0	0	28	19	152
16:45	2	6	0	0	8	4	6	30	0	0	5	2	63
17:00	5	12	1	0	6	3	6	23	1	0	3	4	64
17:15	4	8	0	0	4	3	8	23	0	0	3	7	60
17:30													
17:45													
Total Volume:	15	31	2	2	36	13	49	119	1	0	39	32	339
Approach %	31%	65%	4%	4%	71%	25%	29%	70%	1%	0%	55%	45%	

Peak Hr Begin:	16:30												
PHV	15	31	2	2	36	13	49	119	1	0	39	32	339
PHF	0.667			0.554			0.587			0.378			0.558

Location ID: 9
North/South: I-5 SB On/Off Ramps
East/West: Copus Road

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	0	0	0	9	0	0	0	0	0	6	0	15
7:15	0	0	1	0	7	0	0	0	0	2	4	0	14
7:30	0	2	1	0	21	0	0	0	0	1	7	0	32
7:45	0	2	2	0	29	0	0	0	0	1	5	0	39
8:00													
8:15													
8:30													
8:45													
Total Volume:	0	4	4	0	66	0	0	0	0	4	22	0	100
Approach %	0%	50%	50%	0%	100%	0%	0%	0%	0%	15%	85%	0%	
Peak Hr Begin:	7:00												
PHV	0	4	4	0	66	0	0	0	0	4	22	0	100
PHF	0.500			0.569			0.000			0.813			0.641

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	0	0	0	14	0	0	0	0	0	52	0	66
16:45	0	0	1	0	11	0	0	0	0	0	23	0	35
17:00	0	1	2	0	6	0	0	0	0	1	11	0	21
17:15	0	1	1	0	10	0	0	0	0	2	10	0	24
17:30													
17:45													
Total Volume:	0	2	4	0	41	0	0	0	0	3	96	0	146
Approach %	0%	33%	67%	0%	100%	0%	0%	0%	0%	3%	97%	0%	
Peak Hr Begin:	16:30												
PHV	0	2	4	0	41	0	0	0	0	3	96	0	146
PHF	0.500			0.732			0.000			0.476			0.553

Location ID: 10
North/South: I-5 NB On/Off Ramps
East/West: Copus Road

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	0	0	0	7	0	2	0	0	1	9	0	19
7:15	0	0	0	0	5	0	1	1	1	0	6	0	14
7:30	0	0	0	0	8	0	1	1	2	0	19	0	31
7:45	0	0	0	0	6	0	0	1	0	1	27	0	35
8:00													
8:15													
8:30													
8:45													
Total Volume:	0	0	0	0	26	0	4	3	3	2	61	0	99
Approach %	0%	0%	0%	0%	100%	0%	40%	30%	30%	3%	97%	0%	

Peak Hr Begin:	7:00												
PHV	0	0	0	0	26	0	4	3	3	2	61	0	99
PHF	0.000			0.813			0.625			0.563			0.707

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	0	0	0	49	1	1	1	3	2	11	0	68
16:45	0	0	0	0	30	0	0	0	1	3	12	0	46
17:00	0	0	0	0	13	0	1	2	3	0	3	0	22
17:15	0	0	0	0	11	0	1	2	2	4	7	0	27
17:30													
17:45													
Total Volume:	0	0	0	0	103	1	3	5	9	9	33	0	163
Approach %	0%	0%	0%	0%	99%	1%	18%	29%	53%	21%	79%	0%	

Peak Hr Begin:	16:30												
PHV	0	0	0	0	103	1	3	5	9	9	33	0	163
PHF	0.000			0.520			0.708			0.700			0.599

Location ID: 11
North/South: Mettler Frontage Road W
East/West: Copus Road/David Road

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	5	1	11	0	10	3	5	0	0	0	6	0	41
7:15	9	1	7	1	4	1	4	0	1	0	12	1	41
7:30	13	0	9	0	10	5	6	0	2	0	14	0	59
7:45	14	1	13	1	11	4	4	0	0	1	13	0	62
8:00													
8:15													
8:30													
8:45													
Total Volume:	41	3	40	2	35	13	19	0	3	1	45	1	203
Approach %	49%	4%	48%	4%	70%	26%	86%	0%	14%	2%	96%	2%	

Peak Hr Begin:	7:00												
PHV	41	3	40	2	35	13	19	0	3	1	45	1	203
PHF	0.750			0.781			0.688			0.839			0.819

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	1	2	2	0	16	3	9	0	0	2	48	0	83
16:45	3	0	2	2	6	0	18	0	1	3	36	0	71
17:00	2	0	1	0	1	2	8	0	0	0	17	1	32
17:15	3	0	1	0	10	1	12	0	1	0	14	0	42
17:30													
17:45													
Total Volume:	9	2	6	2	33	6	47	0	2	5	115	1	228
Approach %	53%	12%	35%	5%	80%	15%	96%	0%	4%	4%	95%	1%	

Peak Hr Begin:	16:30												
PHV	9	2	6	2	33	6	47	0	2	5	115	1	228
PHF	0.850			0.539			0.645			0.605			0.687

Location ID: 12
North/South: Mettler Frontage Road E
East/West: Copus Road/David Road

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	0	0	0	10	3	0	0	3	12	11	0	39
7:15	0	0	0	0	5	0	0	0	2	8	13	0	28
7:30	0	0	0	0	14	3	0	0	1	10	18	0	46
7:45	0	0	0	0	16	0	4	0	1	15	18	0	54
8:00													
8:15													
8:30													
8:45													
Total Volume:	0	0	0	0	45	6	4	0	7	45	60	0	167
Approach %	0%	0%	0%	0%	88%	12%	36%	0%	64%	43%	57%	0%	

Peak Hr Begin:	7:00												
PHV	0	0	0	0	45	6	4	0	7	45	60	0	167
PHF	0.000			0.750			0.550			0.795			0.773

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	0	0	0	0	19	9	5	0	0	31	25	0	89
16:45	0	0	0	0	8	1	5	0	1	29	30	0	74
17:00	0	0	0	0	3	6	2	0	0	12	15	0	38
17:15	0	0	0	0	9	13	1	0	2	18	9	0	52
17:30													
17:45													
Total Volume:	0	0	0	0	39	29	13	0	3	90	79	0	253
Approach %	0%	0%	0%	0%	57%	43%	81%	0%	19%	53%	47%	0%	

Peak Hr Begin:	16:30												
PHV	0	0	0	0	39	29	13	0	3	90	79	0	253
PHF	0.000			0.607			0.667			0.716			0.711

Location ID: 13
North/South: Mettler Frontage Road E
East/West: SR 99 NB On/Off Ramp

Date: 1/29/2020
City: Bakersfield, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	7	9	0	0	0	0	0	2	2	1	0	1	22
7:15	5	2	0	0	0	0	0	1	1	0	0	1	10
7:30	9	4	0	0	0	0	0	1	1	0	0	0	15
7:45	6	9	0	0	0	0	0	3	3	0	0	2	23
8:00													
8:15													
8:30													
8:45													
Total Volume:	27	24	0	0	0	0	0	7	7	1	0	4	70
Approach %	53%	47%	0%	0%	0%	0%	0%	50%	50%	20%	0%	80%	

Peak Hr Begin:	7:00												
PHV	27	24	0	0	0	0	0	7	7	1	0	4	70
PHF	0.797			0.000			0.583			0.625			0.761

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	2	3	4	5	6	7	8	9	10	11	12	
Lanes:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00													
16:15													
16:30	39	0	0	0	0	0	0	3	4	0	0	2	48
16:45	32	1	0	0	0	0	0	5	4	0	0	1	43
17:00	19	0	0	0	0	0	0	1	14	0	0	1	35
17:15	31	0	0	0	0	0	0	1	10	0	0	2	44
17:30													
17:45													
Total Volume:	121	1	0	0	0	0	0	10	32	0	0	6	170
Approach %	99%	1%	0%	0%	0%	0%	0%	24%	76%	0%	0%	100%	

Peak Hr Begin:	16:30												
PHV	121	1	0	0	0	0	0	10	32	0	0	6	170
PHF	0.782			0.000			0.700			0.750			0.885

Cumulative Project List

Request	Date	Status	WorkDesc	ApplicantBuisnessName	APN	MapNumber	Section	Township	Range	ParcelArea	GeneralLocation	ProjectAddress
CUP	8/9/2018	Review Complete	Temporary CUP for an ag trucking facility	Oldenkamp Trucking	184-150-423	18415	12	31	27	20.02		
CUP Mod.	3/2/2020	Applied	Map 142, CUP 65, Modification - Ag Trucking Facility	NULL	184-230-01	NULL	NULL	NULL	NULL	NULL		
ZCC	7/2/2019	Applied	ZCC, Map 142-16 for Zone Change	BHT Engineering, Inc	184-362-176	18436	16	31	27	12.05	6809 HOUGHTON RD BAKERSFIELD	6809 HOUGHTON RD, BAKERSFIELD, CA
CUP ext.	NA	NA	EOT for one year for CUP 67, Map 142	Marino/Associates	184-392-61	142					NW crn Bear Mtn Rd and South H St	
CUP ext.	10/5/2018	Applied	An extension of time for CUP 67, Map 142	Marino Associates	184-392-751	18439	NULL	NULL	NULL	NULL		
CUP	9/12/2018	Applied	A conditional use permit for a contractors storage yard with cargo containers in a C-2 zone	Paul Dhanens Architect, Inc	184-440-238	18444	NULL	NULL	NULL	1.35		9630 BEAR MOUNTAIN BL, BAKERSFIELD, CA
CUP	NA	NA	CUP 28 MW SOLAR PROJECT	RECURRENT ENERGY BY SETH ISRAEL	184-490-04; -05	142					SHAFTER RD AND ASHE RD METRO AREA	
GPA, ZCC	8/2/2018	In review	General Plan Amendment, Map 143-6, ZC to park trucks; Zone Change, Map 143-6, ZC to park trucks	Harbans Singh	185-120-20	143	6	31S	28E	NULL	10825 South Union Ave., Bakersfield, 93307	
EIR, GPA, ZCC, AgPresExcl.	11/8/2018	Processing	EIR: Commerical; Development of an industrial park-warehouse, distribution and retail showrooms.	McIntosh & Associates	185-140-084	18514	7	31	28	306.92		
PD Plan	2/5/2019	Review Complete	Precise Development Plan for Auto Towing Storage Yard, Map 143-7, Santana & Norma Molina	MOLINA SANTANA & NORMA	185-180-296	18518	NULL	NULL	NULL	3.3		0 S UNION AV, BAKERSFIELD, CA
ZCC, PD	7/13/2018	NA	ZC TO M-1 AND Precise Development Plan, Map 143, (APN 185-321-20) to allow an industrial development.	MLA Properties, LLC/ Surjit Singh	185-321-20	143	19	31S	28E	NULL	W side of Costajo Rd., between Shafter Rd. and Bear Mountain Blvd.	
PD	6/2/2017	Complete - 3/15/2018	PD To allow a convenience market with gas pumps	Mark Alexander	185-321-27	143	19					16028 Costajo Drive
PD	1/12/2018	Complete - 3/28/2018	A request for a Precise Development Plan for an auto service and repair	Jacob Cornejo for pattrick Marchbanks	185-322-13	143	19	31	28		Castajo Rd,Bear Mtn Blvd	
CUP, ZCC, GPA	8/13/2019, 11/20/2018	Applied	CUP, Zone Change and General Plan Amendment, Map 143-19, Future Agricultural truck parking & Future Service Industrial	McIntosh & Associates	185-330-024	18533	19	31	28	8.73		246 BEAR MOUNTAIN BL, BAKERSFIELD, CA
CUP, GPA	11/8/2018	Processing	EIR: Waste; Amendment to KCGP, modifying CUP's. Composting	Nicole Proiette	185-350-535; -543; -550	18535	25	31	28	481.27		7261 BEAR MOUNTAIN BL, GREENFIELD, CA
CUP	5/9/2019	NA	CUP, Map 143-18 for Ag truck parking.	NULL	185-381-399	18538	NULL	NULL	NULL	2.01		13338 S H ST, BAKERSFIELD, CA
GPA, ZCC	11/30/2018	NA	General Plan Amendment and zone change to allow a tire shop. The application did not contain what the proposed land use designation or zoning district.	Alfredo Ayon	185-382-421	18538	NULL	NULL	NULL	2.43		14201 COSTAJO ST, BAKERSFIELD, CA
SPA	5/16/2018	NA	A request to amend the circulation element.	McIntosh and Associates	185-510-11	143	18	31	28			s of Houghto, n of Bear Mtn

GPA, ZCC, CUP	10/4/2019	NA	GPA, ZCC, CUP, Map 143-1 for Ag Trucking	Gurjant Singh	185-530-029	18553	NULL	NULL	NULL	5		9014 JOSE RAMOS CT, BAKERSFIELD, CA
CUP Mod.	11/13/2018	Processing	EIR: Waste; Composting increases, and time lengthening for composting.	Taft	220-110-704	22011	24	32	25	0		2301 SANTIAGO RD, TAFT, CA
CUP, ext.	5/5/2018	NA	An extension of time request for 2 years	McIntosh Assoociates fro Hageman Properties	238-081-16	202	30	11	19			I-5 and Wheeler Ridge Rd
PD	8/22/2019	Applied	PD, Map 203 for Off-Site Sign	Cornerstone Engineering, Inc.	238-203-400	23820	10	11	20	26.03	Northeast corner of Highway 166 and I5	8632 166 HW, METTLER, CA
PD mod.	4/9/2019	In Review	MOD to PD Plan. The owner desires to expand the facility with another brand of fuel and a convenience store. MAP 203. John R Wilson.	John Wilson	238-203-442	23820	NULL	NULL	NULL	4.38	Northeast corner of Highway 166 and I5	8632 166 HW, METTLER, CA
CUP	10/29/2018	Applied	conditional use permit for a soil amendment facility.	Tetra Tech BAS	238-211-072	23821	5	11	20	18.94		9705 VALPREDO AV, METTLER, CA
ZCC	9/18/2019	Applied	ZCC, Map 203-1 for Truck Repair	jr Design Group, LLC	238-281-083	23828	1	11	20	1.21	1835 W. Mettler Frontage Road	1835 W METTLER FRONTAGE RD, METTLER, CA
GPA, SPA, ZCC, AgPresExcl.	3/29/2019	Applied	EIR for proposed mixed-use planned community allowing up to 12,000 residential dwelling units, 5,100,000 sq ft of commercial/industrial floor area, 157 acres for schools, and 96-112 acres for parks.	Tejon Grapevine LLC	238-390-066	23839	NULL	NULL	NULL	161.12		
CUP	11/13/2018	Processing	ADD to EIR: Solar/Wind; CUP for 170 MW Solar Facility on 1,134.5 acres	Maricorps East Solar PV, LLC	295-040-307; -315	29504	19	32	26	651.2		12866 COPUS RD, MARICOPA, CA
CUP	7/25/2019	Applied	CUP for construction and operation of 300MW solar energy generating facility, 100 MW of battery energy storage, and associated infrastructure on approximately 3,400 acres of land	EDP Renewables	295-050-173	29505	25	32	26	160		
CUP, ext.	1/28/2020	Applied	CUP 26, Map 160 for EOT of Ag Trucking Facility	Swanson Engineering, Inc.	295-130-397	29513	32	32	27	9.55		27300 OLD RIVER RD, BAKERSFIELD, CA
Add to EIR, CUP	11/13/2018	Processing	ADD to EIR: Solar/Wind; CUP for 170 MW Solar Facility on 1,134.5 acres	Maricorps East Solar PV, LLC	295-130-819; -827; -835	29513	33	32	27	1134.5		12866 COPUS RD, MARICOPA, CA
CUP	5/8/2019	Applied	CUP, Map 188 for 150 ft. tall Lattice Wireless Facility	AT&T Mobility c/o Eukon Group	295-150-346	29515	33	12	22	160	7.5 miles west of Old River Road on the south side of Copus Road	

Appendix M
Water Supply Assessment

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WATER SUPPLY ASSESSMENT
SANDRINI SOLAR PARK PROJECT

PREPARED FOR:

EDP Renewables North America LLC
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Houston, TX 77002

Kern County
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August 2021

ICF. 2021. *Water Supply Assessment for the Sandrini Solar Park Project*. August. (600.20). Prepared for Kern County, CA.

Executive Summary

This Water Supply Assessment (WSA) has been prepared to assist EDP Renewables and Kern County in satisfying the requirements of Senate Bill (SB) 610 for the proposed Sandrini Solar Park Project. The proposed project would require approximately 425 acre-feet (AF) of water to support construction over a 12-month period; to support operations and maintenance (O&M) activities, the project would require approximately 2.5 acre-feet per year (AFY).

Several sources of water have been identified, which individually or in combination would be available during normal conditions to supply the proposed project's construction and/or O&M water demands. The primary proposed source of water for project construction is groundwater from a privately-owned groundwater well located adjacent to the project parcels in the Wheeler Ridge-Maricopa Water Storage District. The primary proposed sources of water for project operations are the same privately-owned well used for construction adjacent to the project parcels or water transfers purchased via a Municipal and Industrial (M&I) deal with Wheeler Ridge-Maricopa Water Storage District (WRMWSD), which acquires most of its water from Kern County Water Agency (KCWA). Other options include other water transfers, other groundwater sources, reclaimed water, or water trucked from a nearby municipality. Because O&M water demand is low, water could be trucked to the project site, allowing water-source flexibility.

Based on this WSA, long-term water demand for the proposed project would be relatively minor and could be met by available KCWA surface water sources under normal conditions and groundwater pumping under all water year types. The proposed project water demand would not impact KCWA water supplies or deplete long-term groundwater supplies. Implementation of SGMA should create reliable groundwater supply that will not depend on water year type. Implementation of SGMA will likely restrict groundwater pumping, but because the project water demand is so low and because the Project has access to existing wells, the Project is expected to be able to secure access to a reliable water supply.

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Acronyms and Abbreviations

AF	acre-feet
AFY	acre-foot per year
APNs	Assessor's Parcel Numbers
CEQA	California Environmental Quality Act
CWC	California Water Code
dS/m	deciSiemens
DWR	California Department of Water Resources
gpm	gallons per minute
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
HUC	hydrologic unit code
IRWMPs	Integrated Regional Water Management Plans
KCWA	Kern County Water Agency
M&I	Municipal and Industrial
Meq/l	milliequivalent per liter
MW	megawatts
NA	not applicable
O&M	operations and maintenance
SAR	sodium adsorption ratio
SB	Senate Bill
SGMA	Sustainable Groundwater Management Act
SWP	State Water Project
TDS	total dissolved solids
UWMP	urban water management plan
WRMWSD	Wheeler Ridge-Maricopa Water Storage District
WSA	Water Supply Assessment
WY	water year

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Chapter 1
Introduction

1.1 Purpose of Document

Senate Bill (SB) 610 became effective on January 1, 2002, amending the California Water Code (CWC) by requiring detailed analysis of water supply availability for certain types of development projects. The primary purpose of SB 610 is to improve the linkage between water and land use planning by ensuring greater communication between water providers and local planning agencies and ensuring that land use decisions for certain large development projects are fully informed as to whether sufficient water supplies are available to meet project demands. SB 610 requires the preparation of a water supply assessment (WSA) for any project that is subject to the California Environmental Quality Act (CEQA) and meets certain requirements. A WSA that is associated with a project must include a discussion of the availability of an identified water supply under normal year, single dry year, and multiple dry year conditions over a 20-year projection, accounting for the projected water demand of the project in addition to other existing and planned future uses of the identified water supply.

1.2 Water Supply Assessment Applicability

A project that is subject to CEQA requires preparation of a WSA if it is a proposed industrial facility occupying more than 40 acres of land (CWC Section 10912(a)). The Sandrini Solar Park Project encompasses approximately 3,452.31 acres. SB 610 amended CWC Sections 10910 and 10912 to create a direct relationship between water supply and land use. Based on this amendment to the CWC, the proposed project is subject to SB 610 and therefore requires the preparation of a WSA.

The CWC, as amended by SB 610, requires that a WSA address the following questions:

- Is there a public water system that would service the project?
- Is there a current urban water management plan (UWMP) that accounts for the project demand?
- Is groundwater a component of the supplies for the project?
- Are there sufficient supplies to serve the project over the next 20 years?

Regarding sufficient supplies, the primary question to be answered in a WSA per the requirements of SB 610 is:

- Will the total projected water supplies available during normal, single dry, and multiple dry water years during a 20-year projection meet the projected water demand of the proposed project, in addition to existing and planned future uses of the identified water supplies, including agricultural and manufacturing uses?

Chapter 4, *Water Supply Assessment,* addresses the SB 610 WSA questions as they relate to the proposed project.

Additional information should be provided in a water supply assessment if the proposed water source includes groundwater. According to Water code Section 10910, Section 4.5, if a water supply for a proposed project includes groundwater the following additional information shall be included in the water assessment:

> *A description and analysis of the amount and location of groundwater pumped by the public water system, or the city or county for the past five years from any groundwater basin from which the proposed project will be supplied. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.*

Kern County, acting as lead agency, will determine whether the proposed project is subject to CEQA. Following this determination, a public water supplier is required to demonstrate adequate water supply for the proposed project. The Sandrini Solar Park Project is located within the service area of the Kern County Water Agency (KCWA). This WSA will be included in the CEQA documentation and reviewed by the lead agency, who will make an independent determination as to whether there is adequate water supply for the proposed project. This report provides information on the proposed project's potential water supplies and provides data to support the sufficiency of supply.

Chapter 2
Project Description and Location

The project is to be located on approximately 3,452.31 acres in southwest Kern County, approximately seventeen miles from the community of Maricopa. Not all of the parcels constituting the project area are contiguous. The location of the project, project area parcels, and site surroundings are depicted on Figure 1. The parcels of the project are currently either undeveloped or in agricultural use.

The project consists of the construction and operation of a 300 megawatt (MW) alternating current (AC) solar photovoltaic facility. The project consists of the installation of tracking solar parcels. Installation would be supplemented with access roads, a power collection system, communication cables, overhead and underground transmission and collection lines, electric switch yard(s), and one operation and maintenance facility. Facilities on the Project site will include transformers, switchgear, operations and maintenance buildings and telecommunication facilities. The project comprises 39 County Assessor's Parcel Numbers (APNs). The proposed solar facility will include solar modules that will be installed on single axis tracking structures mounted on vertical posts. The project will distribute the power generated to the existing Wheeler Ridge Substation (PG&E).

2.1 Climate

Climate in the project region is typical of semiarid regions, with hot, dry summers, and cool winters with dense fog. The historical average annual temperature in the Kern Region is 61.4 degrees Fahrenheit (Provost & Pritchard 2020), with growing-season temperatures averaging about 300 days above 32 degrees Fahrenheit and almost 365 days above 28 degrees Fahrenheit. Temperatures exceed 90 degrees Fahrenheit about 110 days per year (Wheeler Ridge-Maricopa Water Storage District. 2020). Most rainfall occurs between November and April, with annual total precipitation of 5.45 inches observed from the closest weather station to the Sandrini Solar Park Project site at the Tulefield Weather Station (Western Regional Climate Center n.d). The Valley floor receives average precipitation of less than 6 inches per year, while the various mountain ranges can receive up to 20 inches per year (Provost & Pritchard 2020).

2.2 Project Water Demand

A maximum of 425 acre-feet (AF) of water would be required during construction over a 12-month period (Table 1), with actual consumption strongly dependent on climatic conditions. Construction water needs would be limited to soil conditioning, dust suppression, fire water support, and other miscellaneous purposes. Water truck refilling stations (as required) would be established for dust control and other construction purposes.

Daily water use would vary, depending on the weather conditions and time of year, both of which affect the need for dust control. Hot, dry, windy conditions would require greater amounts of water. Tanker trucks would apply water to construction areas to aid in road compaction and reduce construction-generated dust where needed.

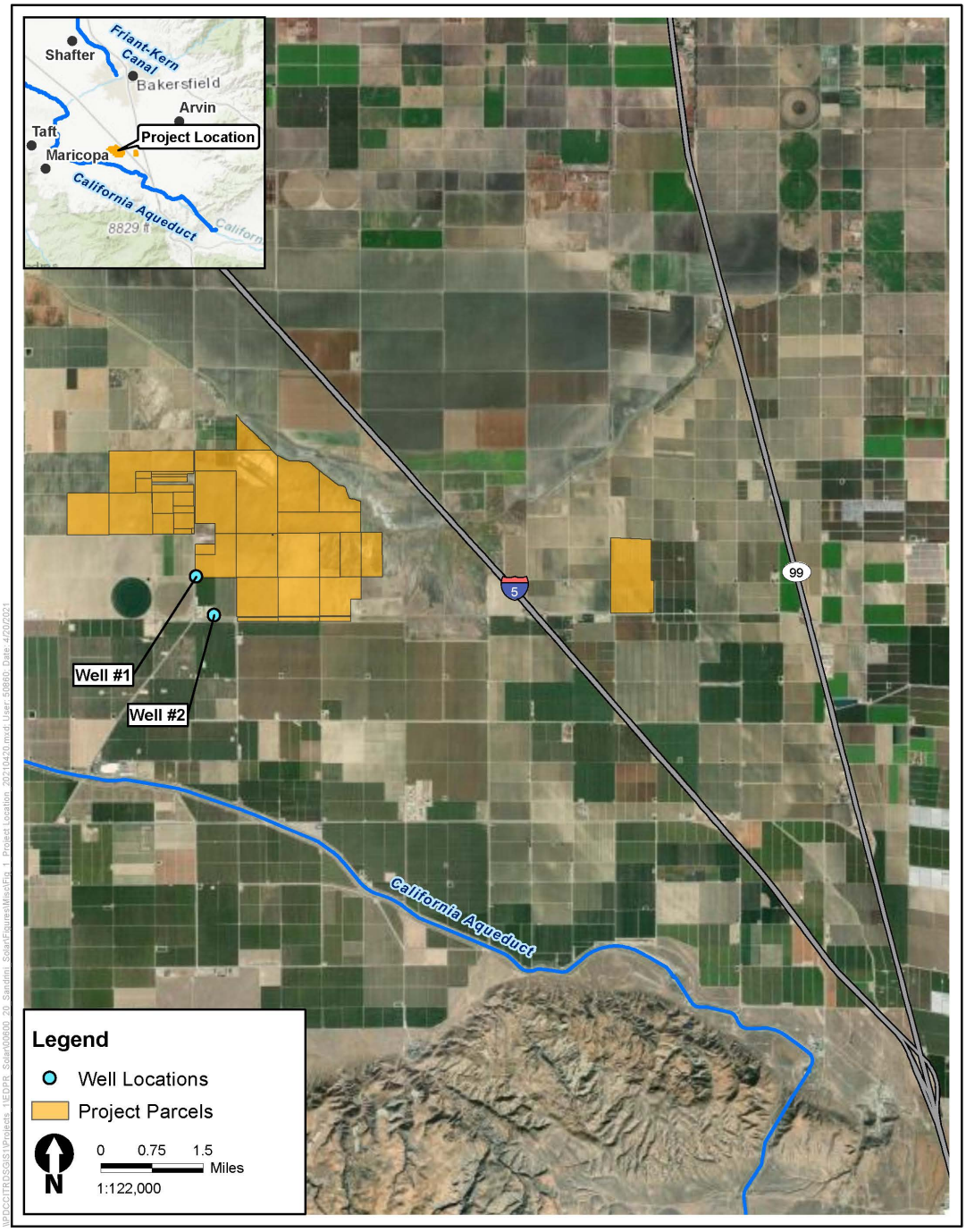

Figure 1
Project Location
Sandrini Solar Park

Construction worker needs—including water for drinking and for sanitation facilities—would require a minimal amount of water. This water would be trucked in or delivered as bottled drinking water. A local sanitation company would provide and maintain appropriate construction sanitation facilities. Sanitation facilities—including portable toilets and sinks—would be placed at each staging area, and additional facilities would be placed at specific construction locations, as necessary.

During the O&M phase, solar PV plants would require minimal water use. Panel surfaces would be washed seasonally to increase average optical transmittance. Panel washing is expected once per year using the water from multiple loads of water carried by 5,000-gallon water trucks. The annual water consumption for operations of the facility, including periodic PV module washing, is expected to be approximately 2.5 AF per year. This equates to approximately 87.5 AF over the 35-year life of the project, and a total of 512.5 AF considering both construction and operation water use.

Table 1. Proposed Water Demand for the Sandrini Solar Park Project

Project, MW	Project Size, acres	Project Construction Water Demand (gallons)	Project Construction Water Demand (AF)	Project Annual O&M Water Demand (gallons per year)	Project Annual O&M Water Demand (AFY)
Generating: 300	3,452.31	138,487,000	425	814,630	2.5

AF = acre-feet; AFY = acre-feet per year; MW = megawatts; O&M = operations and maintenance

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Chapter 3
Water Resources

3.1 Surface Water

The majority of the project area is within the Pleitito Creek-Kern Lake Bed hydrologic unit code [HUC] 1803000312 area, while eastern parcels are within the Tecuya Creek-Frontal Kern Lake Bed (HUC 1803000311) and the Caparell Creek-Frontal Kern Lake Bed (HUC 1803000310), all within the larger Middle Kern-Upper Tehachapi-Grapevine watershed. Numerous streams originate in mountains and foothills and flow across the valley floor. Pleitito Creek and Tecuya Creek are approximately 4 miles and 2 miles southeast of the project, respectively. Lake Webb and Lake Evans are approximately 9 miles and 12 miles northwest of the project site, respectively. Lake Webb and Lake Evans occupy the lakebed on the northern shore of the former Buena Vista Lake. The most important source of naturally occurring surface water in the Region is the Kern River, 16 miles north of the project site. Local minor streams, many of which are ephemeral, provide additional local surface water. Less than 2 miles north of the project site is Kern Lake-bed, once a lake fed by the Kern River, but now a dry lake-bed due to agricultural diversion of the Kern River waters and the underlying aquifer.

Major human-made surface water features are located north of the project site. The New Rim Ditch canal is located at the northern boundary of the project site and the terminus of the Arvin-Edison Canal is approximately 3 miles southeast of the project. In addition, the California Aqueduct is located approximately 3 miles southwest of the Sandrini Solar Park Project site (Figure 2). The California Aqueduct is part of the State Water Project (SWP) system built and maintained by the California Department of Water Resources (DWR), which delivers water from the Sacramento-San Joaquin Delta to southern California. All water currently used in the Kern County Region comes from two sources: (1) naturally occurring water within the region (surface water, groundwater, and recycled water), and (2) water imported via the California Aqueduct (SWP water from the Delta) and via the Friant-Kern Canal (which originates from Millerton Reservoir on the San Joaquin River). KCWA is a wholesale supplier of SWP water to the Kern County Region. The Wheeler Ridge-Maricopa Water Storage District imports most of its water from KCWA; therefore, it is indirectly supplied by the SWP. SWP water supply for the Kern County Region is discussed further in Section 4.2.1, *Kern County Region Water Supply and Demand Projections*.

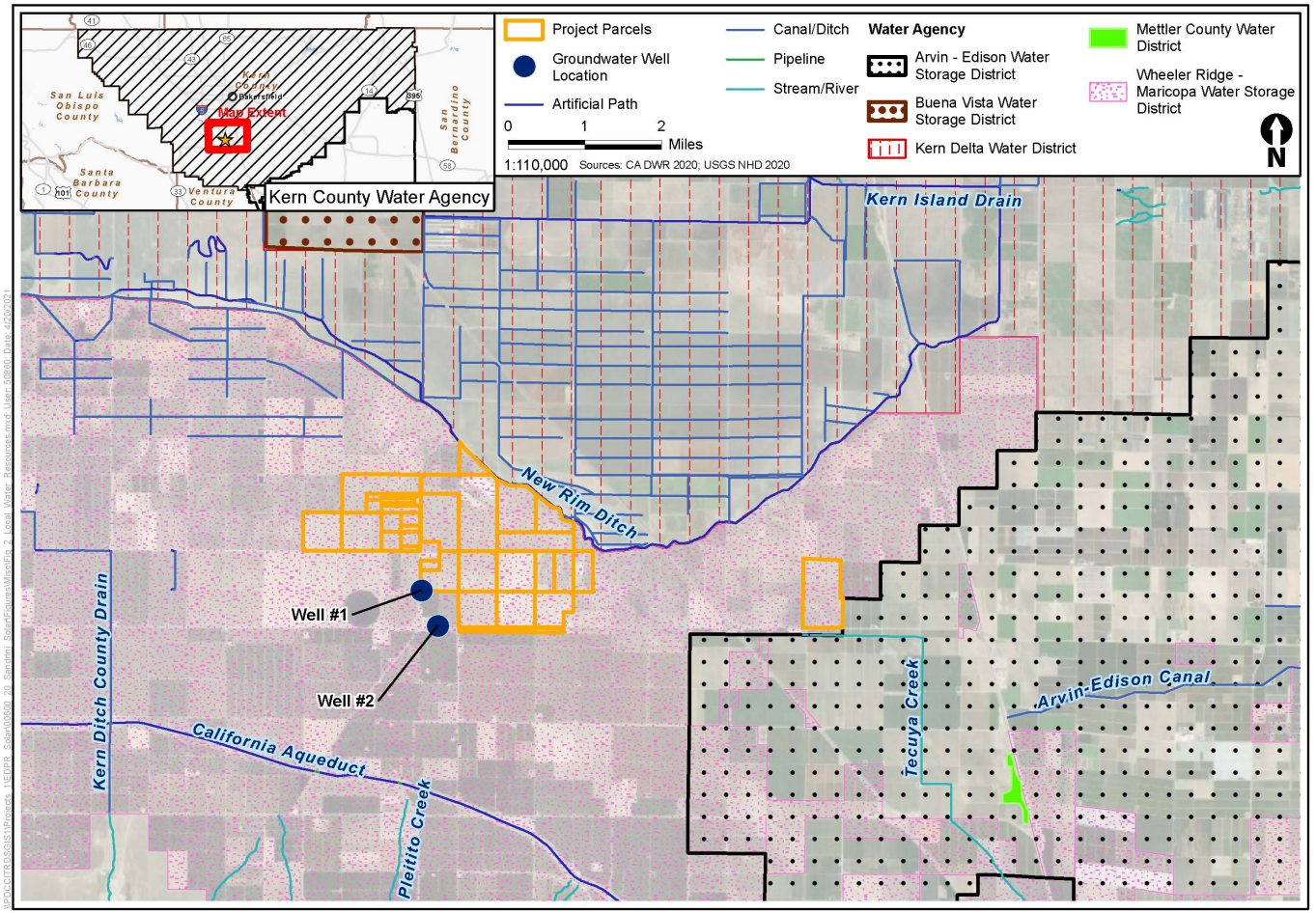


Figure 2
Local Water Resources
Sandrini Solar Park

3.2 Groundwater

The proposed project is located in the Kern County Subbasin within the San Joaquin Valley Groundwater Basin (DWR Basin No. 5-022.14), which covers approximately 1,945,000 acres (3,040 square miles) (Figure 3). The subbasin is bounded to the north by the Kern County line and the Tule Groundwater subbasin, on the east and southeast by granitic bedrock of the Sierra Nevada foothills and Tehachapi Mountains, and on the southwest and west by the marine sediments of the San Emigdio Mountains and Coast Ranges. Continental deposits from the surrounding mountains are west of the series of rivers, lakes, sloughs, and marshes that mark the current and historic location of surface drainage in the San Joaquin Valley (DWR 2006).

Shallow to intermediate depth sediments that comprise the water-bearing deposits are primarily continental deposits of Tertiary and Quaternary age. Older Alluvium/Stream and Terrace Deposits are composed of up to 250 feet of Pleistocene-age lenticular deposits of clay, silt, sand, and gravel that are loosely consolidated to cement. The unit is moderately to highly permeable and yields large quantities of water to wells. This sedimentary unit is often indistinguishable from the Tulare and Kern Formations below and together with these underlying formations, forms the primary aquifer in the Kern County Groundwater Subbasin. Tulare and Kern River Formations are Plio-Pleistocene age and represent a west/east composition change across the subbasin. In the western portion of the subbasin, the Tulare Formation originated predominantly from Coast Range sources and contains up to 2,200 feet of interbedded, oxidized to reduced sands; gypsiferous clays and gravels. The formation includes the Corcoran Clay Member, which is present in the subsurface from the Kern River Outlet Channel on the west through the central and much of the eastern subbasin at depths of 300 to 650 feet. Groundwater beneath the Corcoran Clay is confined. The Kern River Formation includes from 500 to 2,000 feet of poorly sorted, lenticular deposits of clay, silt, sand, and gravel derived from the Sierra Nevada. Both units are moderately to highly permeable and yield moderate to large quantities of water to wells. Younger Alluvium/Flood Basin deposits varies in character and thickness throughout the subbasin. At the eastern and southern subbasin margins the unit is composed of up to 150 feet of interstratified and discontinuous beds of clay, silt, sand, and gravel. Deposits in the southwestern subbasin are finer grained and less permeable and grades into flood basin deposits underlying the historic beds of Buena Vista and Kern Lakes in the southern subbasin. The flood basin deposits consist of silt, silty clay, sandy clay, and clay interbedded with poorly permeable sand layers. The greatest thickness of unconfined aquifer occurs along the eastern subbasin margin. The highest specific yield values are associated with sediments of the Kern River Fan west of Bakersfield. The Olcese and Santa Margarita Formations are current or potential sources of drinking water only in the northeastern portion of the subbasin where they occur as confined aquifers. (Figure 4; DWR 2006).

Natural recharge in the subbasin is primarily through stream seepage along the eastern subbasin and the Kern River (DWR 2006). Artificial recharge at groundwater banking facilities throughout the subbasin is also a major source of recharge. Secondary sources of recharge include return flows from agricultural and municipal irrigation and infiltration of flows from intermittent streams along the edge of the subbasin (Burton and Belitz 2012). Groundwater elevations near the Kern River are highly variable due to managed groundwater recharge and extractions associated with groundwater banking projects. Groundwater elevations further from banking operations have more seasonal responses related to pumping and recharge. Long-term declines in groundwater levels are observed

in the majority of the subbasin (GEI Consultants 2020). Regional groundwater elevations observed in spring (seasonal high) and Fall (season low)[1] 2015 are shown in Figure 5 and Figure 6, respectively.

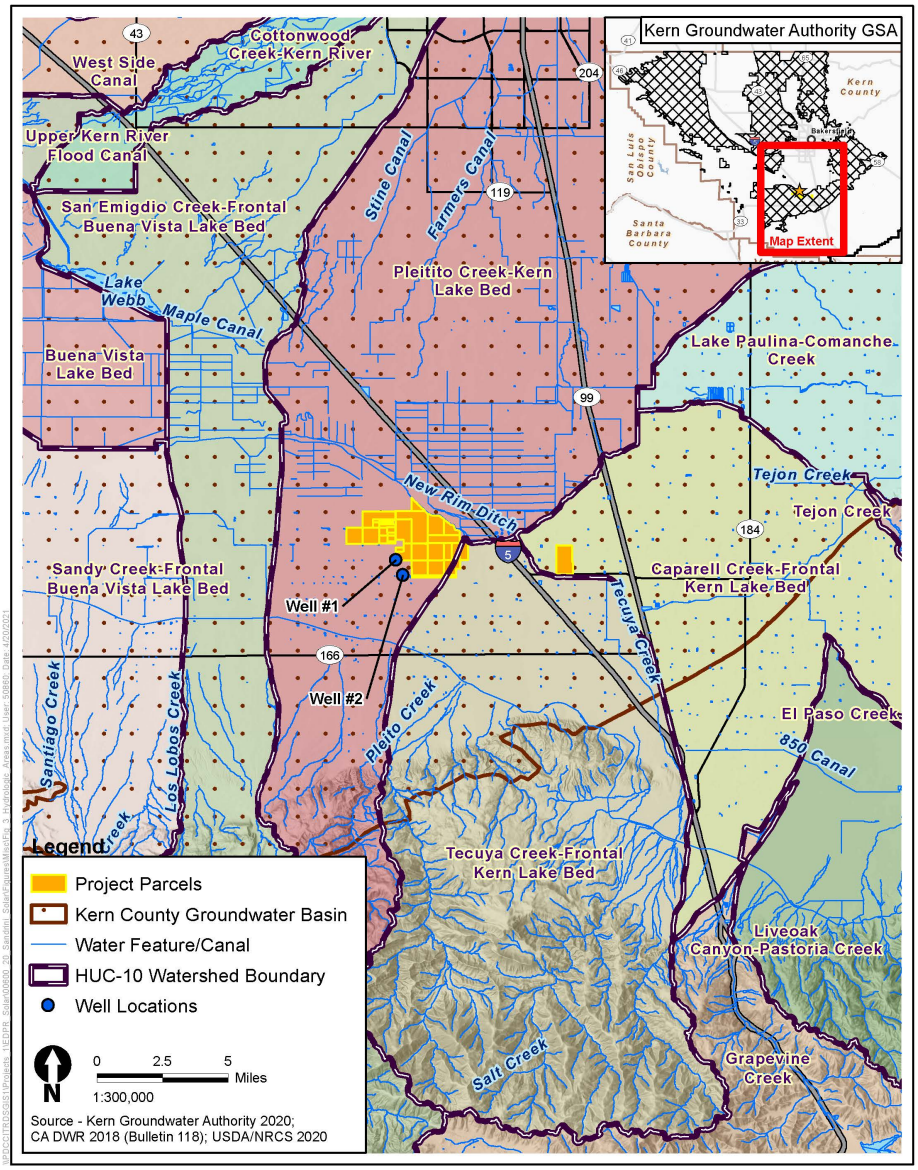


Figure 3
Hydrologic Areas
Sandrini Solar Park

[1] Groundwater elevation data for fall 2015 were limited in availability due to the high demand for pumping. As a result, the data range is incomplete, it may be affected by pumping, and represents only a partial dataset. However, general groundwater flow trends are consistent with historical trends.

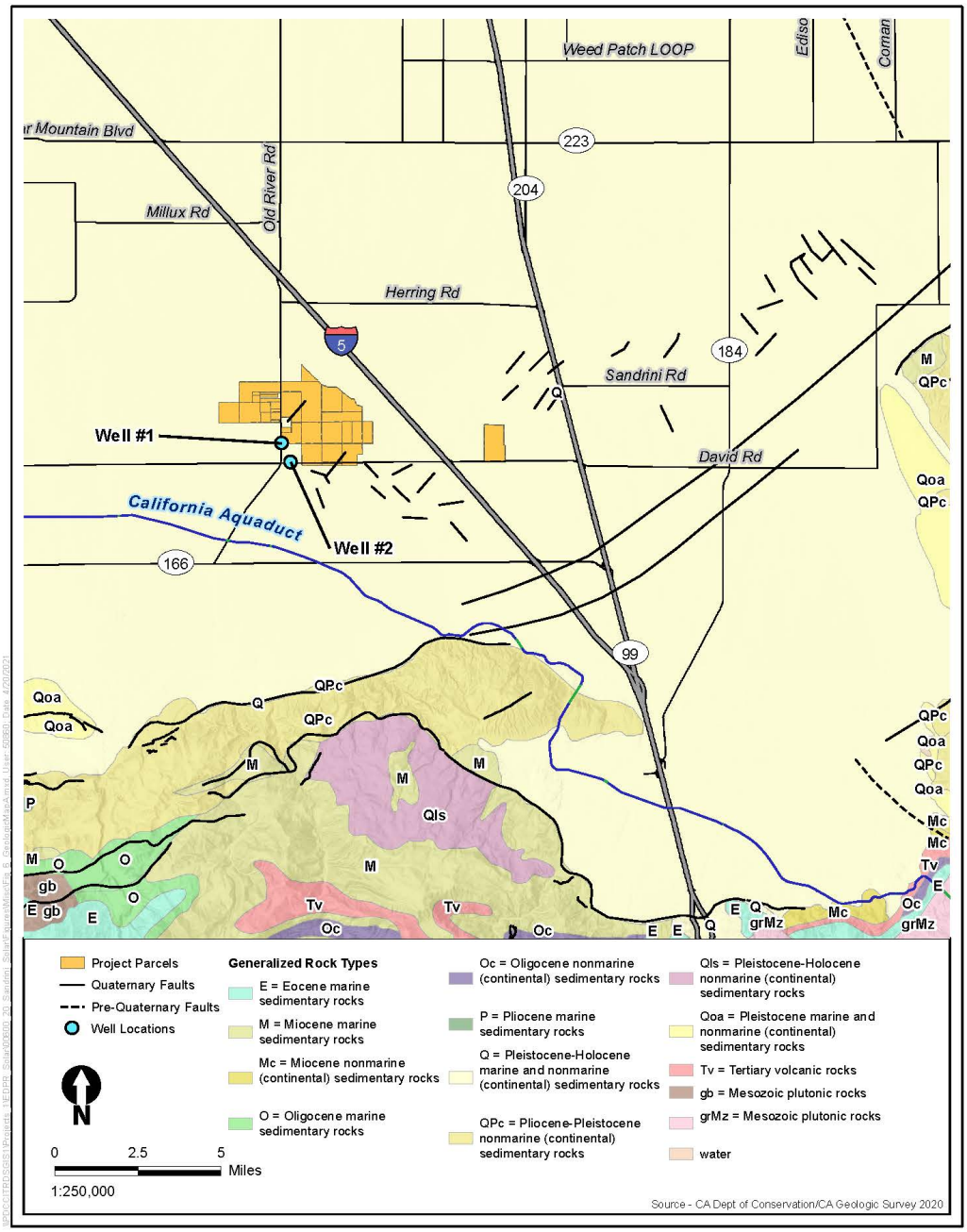


Figure 4
Geologic Map
Sandrini Solar Park

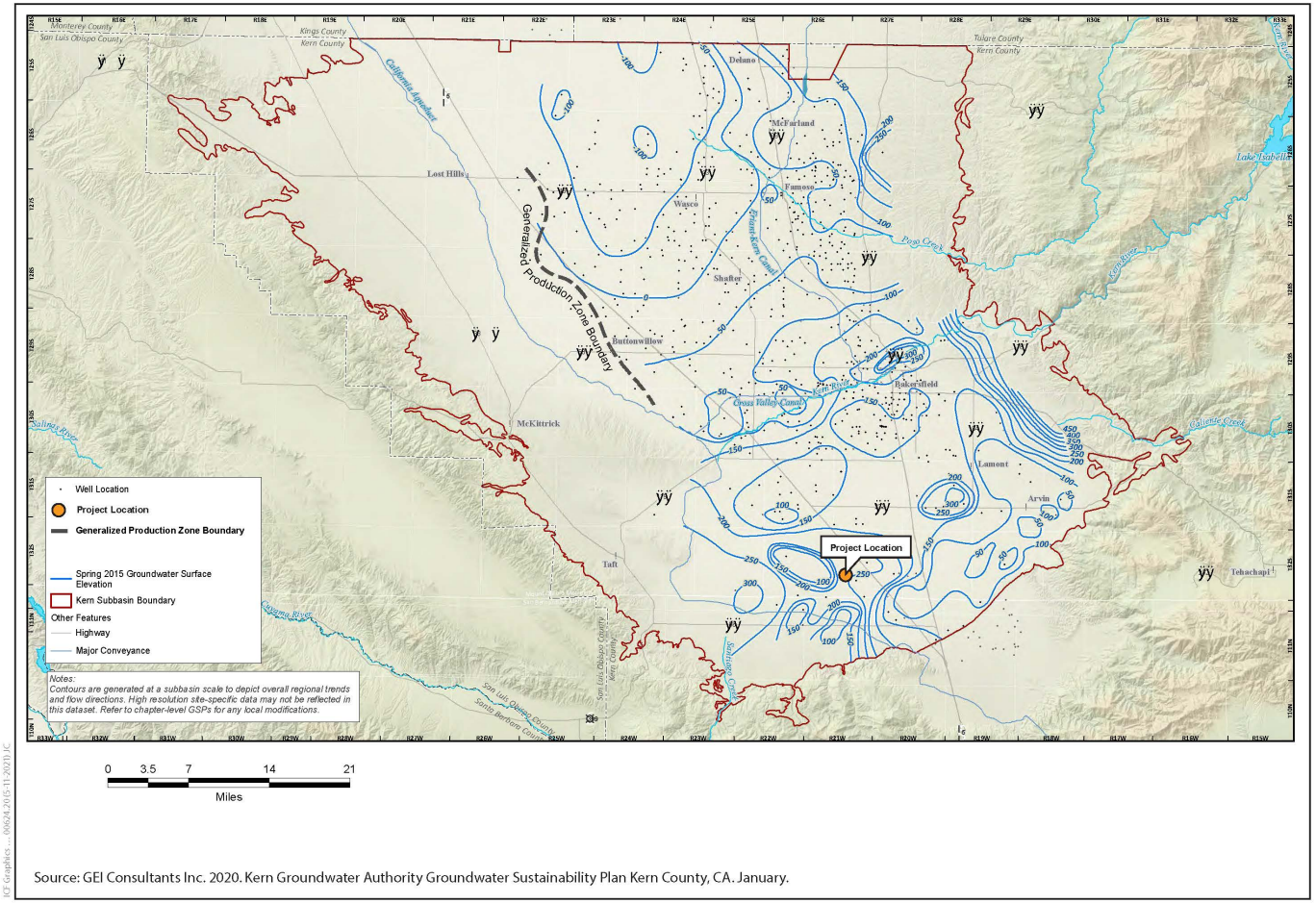
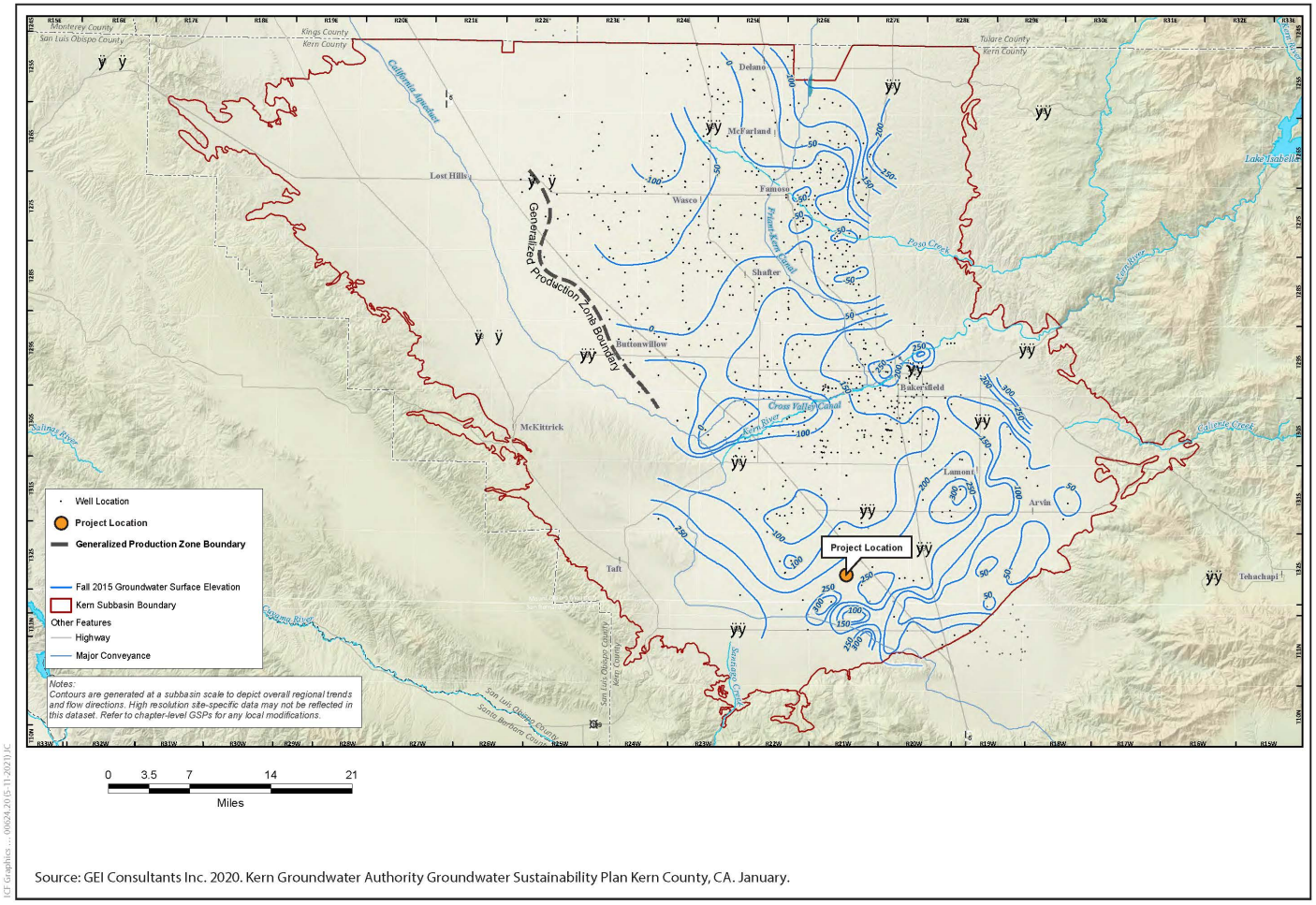


Figure 5
Spring 2015 Regional Groundwater Elevations
Sandrini Solar Park



Source: GEI Consultants Inc. 2020. Kern Groundwater Authority Groundwater Sustainability Plan Kern County, CA. January.

Figure 6
Fall 2015 Regional Groundwater Elevations
Sandrini Solar Park

3.2.1 Groundwater Quality

The eastern portion of the Kern County Subbasin primarily contains calcium bicarbonate waters in the shallow zones and increases in sodium with depth. East to west across the subbasin, bicarbonate is replaced by sulfate and to a lesser extent chloride. West side waters primarily consist of sodium sulfate to calcium-sodium sulfate (DWR 2006). Water quality in the primary aquifers may differ from that in the shallower and deeper parts of the aquifer system. In the subbasin, one or more inorganic constituents were found at high concentrations (above the recommended range)[2] in 23 percent of the primary aquifers and at moderate concentrations (between the recommended and above the recommended range) in 29 percent. Trace elements are present at high concentrations in 20 percent of the primary aquifers, and at moderate concentrations in 27 percent. Arsenic, antimony, boron, and vanadium occurred at high concentrations in more than 2 percent of the primary aquifers. Lead, thallium, and selenium were also detected at high concentrations, but in less than 2 percent of the primary aquifers. Nutrients, such as nitrate and nitrite, are naturally present at low concentrations in groundwater. In the subbasin, nitrate was present at high concentrations in 5 percent of the primary aquifers and at moderate concentrations in 13 percent of the primary aquifers. Some constituents, such as total dissolved solids (TDS), affect the aesthetic properties of water, such as taste, color, and odor. TDS was present at high concentrations (above the recommended range) in approximately 14 percent of the primary aquifers, and at moderate concentrations (between the recommended and above the recommended range) in 17 percent of the primary aquifers. Within the subbasin, higher TDS was observed in west side water when compared with east side groundwater (GEI Consultants 2020). Generally, solvents in the subbasin were found at low levels, and are present at high concentrations in less than 1 percent of the primary aquifers, and at moderate concentrations in 4 percent of the primary aquifers. Solvents found at high concentrations were carbon tetrachloride and trichloroethene. Pesticides were not detected at high or moderate concentrations in the primary aquifer (Burton and Belitz 2012). Groundwater quality from wells proposed as water supply for project construction and operation are summarized in Table 2. The groundwater quality for Well 1 and Well 2 summarized in Table 2 is adequate for project construction and operational use including panel cleaning.

[2] Benchmarks are established for drinking water to provide context for evaluating the quality of untreated groundwater. Federal and California regulatory benchmarks for protecting human health (Maximum Contaminant Level, MCL) were used when available. Nonregulatory benchmarks for protecting aesthetic properties, such as taste and odor (Secondary Maximum Contaminant Level, SMCL), and nonregulatory benchmarks for protecting human health (Notification Level, NL, and Lifetime Health Advisory, HAL) were used when Federal or California regulatory benchmarks were not available. Concentrations are considered high if they are greater than a benchmark. For inorganic constituents, concentrations are moderate if they are greater than one-half of a benchmark. For organic and special-interest constituents, concentrations are moderate if they are greater than one-tenth of a benchmark; this lower threshold was used because organic constituents are generally less prevalent and have smaller concentrations relative to benchmarks than inorganic constituents. Low concentrations include non-detections and values less than moderate concentrations.

Table 2. Groundwater Quality Data

Parameter	Well 1	Well 2	Optimum Range
Pump Name	Old River Well	Copus Well	NA
pH	7.73	7.83	6.5-7.5
Soluble salts,[1] dS/m	1.67	1.45	< 0.75
Calcium, meq/l	7.5	6.3	3.0 – 10.0
Magnesium, meq/l	3.1	2.4	1.0 – 5.0
Sodium, meq/l	5.9	5.6	< 3.0
Sodium Adsorption Ratio[2]	2.5	2.7	<6.0
Carbonate + bicarbonate, meq/l	1.2	1.7	< 3.0
Chloride, meq/l	1.4	1.7	< 2.0
Boron, ppm	0.48	0.6	< 0.5
Nitrate-nitrogen, ppm	1.02	1.96	< 5.0
Manganese	0.02	0.04	<0.20
Iron	0.01	0.02	<0.20
Copper	0.01	0.01	<0.10

Notes: Well testing for both Well 1 and Well 2 were submitted December 20, 2018

[1] Soluble salts is also referred to as electrical conductivity

[2] The combined effect of electrical conductivity (soluble salts) of irrigation water and sodium adsorption ratio (SAR) determines the likelihood of water infiltration (permeability) problems

NA = not applicable

dS/m = deciSiemens

Meq/l = milliequivalent per liter

ppm = parts per million (1 ppm is equivalent to 1 milligram per liter of water (mg/l))

Source: D&D Agricultural Laboratory Inc. 2018. Water Analysis for Copus Road Well and Old River Well Irrigation Water. December 28.

3.2.2 Groundwater as a Potential Component of Project Water Supplies

The primary proposed source of water for project construction is groundwater from a privately-owned well (Maricopa Orchards, Well 1/Old River Well) located adjacent to the project parcels in the Wheeler Ridge-Maricopa Water Storage District (Figure 1). The primary proposed sources of water for project operations are the privately-owned well adjacent to the project parcels used for construction or water transfers purchased via a Municipal and Industrial (M&I) deal with Wheeler Ridge-Maricopa Water Storage District (WRMWSD). Voluntary and mandatory pumping limitations have not yet been initiated in WRMWSD (GEI Consultants 2020).

As shown in Figures 5 and 6, groundwater elevations in the project area are approximately 100 to 250 feet above mean sea level and 200 to 250 feet above mean sea level in the spring and fall, respectively (GEI Consultants 2020). If the project is supplied by Wheeler Ridge-Maricopa Water Storage District (whose long-term water contracts is provided through the Kern County Water Agency), the water delivered may be sourced in part from groundwater from wells that supplement imported water. The pumping water level in Well 1 and Well 2 are 506 feet and 622 feet,

respectively. Additional groundwater well data that may supply the project site is summarized in Table 3. The Wheeler Ridge-Maricopa Water Storage District is a participant of the Kern Water Bank Authority. The Kern Water Bank Authority is a Joint Powers Authority formed for the purpose of recharging, storing, and recovering water to improve the water supply during periods of water shortages. The Kern Water Bank Authority owns 20,000 acres known as the Kern Water Bank in Kern County. The Kern Water Bank can receive water from three sources - the Kern River, the California Aqueduct, and the Friant-Kern Canal. The Kern Water Bank has the capability of storing over 1,500,000 AF on a long-term basis and has the capability of extracting approximately 240,000 AFY (Provost & Pritchard 2020). At the end of extended droughts, Kern Water Bank operations can cause a temporary lowering of groundwater levels in adjacent areas. To reduce potential effects from temporary changes, DWR developed mitigation measures for the Kern Water Bank, which are coordinated with other adjacent water banking projects and incorporated into a Joint Operations Plan. The Joint Operations Plan designates measures to prevent, eliminate or mitigate significant adverse impacts resulting from project recovery operations (GEI Consultants 2020).

Well 1/Old River Well is proposed as a source for Project construction and operation water supply. However, two groundwater wells (Well 1/Old River Well and Well 2/Copus Well) were evaluated. Both wells are located within the Wheeler Ridge-Maricopa Water Storage District (Figure 2). To supply construction and on-going maintenance water to all of the Sandrini Solar Park parcels, the well would be equipped with a pump to provide water that would fill 5,000-gallon water trucks. A summary of current groundwater well data that may supply the project site is shown in Table 3.

Table 3. Groundwater Well Data for the Sandrini Solar Park Project

	Well 1	Well 2
Pump Name	Old River Well	Copus Well
Location (Latitude, Longitude)	35.10157°, -119.10931°	35.09490°, -119.10546°
Pumping Water Level[1] (feet)	506	622
Standing Water Level[2] (feet)	219	249
Draw Down[3] (feet)	287	373
Recovered Water Level[4] (feet)	219	249
Total Lift[5] (feet)	619	731
Flow Velocity (feet/second)	3.0	2.9
Measured Flow Rate (gpm)	764	748
Daily Pump rate (acre-feet per 24 hrs)	3.4	3.3
Flow (cfs)	1.7	1.7

[1] Pumping water level is the water level in the well during drawdown. Pumping causes the formation of a cone of depression. This drawdown always exceeds the drawdown in the surrounding aquifer.

[2] Standing water level is the water level in the aquifer from which you are pumping, measured after the well has rested for several hours (not a measure of the pumping or recovering water level).

[3] Drawdown is the change in groundwater level due to an applied stress, caused by pumping from a well including a neighboring well.

[4] Recovered water level is the water level after pumping has stopped, but before the well has fully returned to the static water level.

[5] Lift is the vertical distance that the pump can be above the liquid (water) source. This is also known as the total dynamic head.

gpm = gallons per minute

cfs = cubic feet per second

Notes: Well testing for both Well 1 and Well 2 were conducted December 19, 2018

Source: Advanced Pumping Efficiency Program. 2018. Record of Pump Efficiency Test for Old River Well and Copus Well. December 19.

Groundwater pumping for agriculture indicates a general increasing trend from water year (WY) 1995 to WY2014. However, groundwater pumping is lower in above average rainfall years and higher during droughts. This general increasing trend follows a comparable decreasing trend in surface water deliveries over the same period. The simulated historical 20-year average groundwater pumping estimated a net outflow of 1,590,373 AFY. To determine the sustainable yield for the Kern County Subbasin, the C2VSimFGKern model estimated the amount of groundwater pumping that would avoid a reduction in groundwater storage over the historical base period 1995 to 2014. The model estimated an average annual groundwater pumping in the Kern County Subbasin of 1,590,373 AFY with a decline in groundwater storage of 277,114 AFY, resulting in a sustainable yield of approximately 1,313,000 AFY (GEI Consultants 2020).

In the west-central and southern-central Subbasin where the Sandrini Solar Park Project is located, shallow groundwater levels are present. However, the shallow groundwater in the west-central and southern-central subbasin is not well suited for agricultural or domestic water supply (GEI Consultants 2020). Historically, underlying clays are a concern regarding encroachment of poor-quality perched groundwater into crop root zones. Groundwater pumping in the production zone would have little to no effect in shallow groundwater. Shallow groundwater depths and extents in

historical water supply are relatively consistent across multiple water year types. Shallow groundwater is typically perched on shallow fine-grained sedimentary units and likely disconnected from the productive aquifer system. As discussed in Section 3.2 *Groundwater*, underlying geological conditions in the center of the Kern County Subbasin indicate that the groundwater production aquifer does not reach the shallow subsurface. Underlying aquifers are not connected with stream channels. As a result, the production aquifer lies at depths that prevent surface water expressions.

Construction water demands are estimated to be approximately 425 acre-feet (or approximately 138,487,000 gallons). With project construction occurring over 12 continuous months, this is equivalent to 425 AFY of water, requiring a pumping rate of approximately 527 gallons per minute (gpm).[3] This pumping rate is less than 69 percent of the measured flow rate identified for the private well proposed as a source for Project construction water supply shown in Table 3. Similarly, the estimated O&M water demand of 2.5 acre-feet per year (AFY) (or approximately 814,630 gallons per year) is relatively small, and the required yield from a groundwater well would be low. Assuming an onsite groundwater well pumped 12 hours per day, the required pumping rate to produce 2.5 AFY would be approximately 3.1 gpm. For water demand comparison, if the 3,452.31-acre site were planted with alfalfa, a typical crop at some project sites, it would require about 24,511 AFY (Antelope Valley Regional Water Management Group 2019).[4]

Kern Groundwater Authority Groundwater Sustainability Agency

In 2014, the Sustainable Groundwater Management Act (SGMA) was passed, which created a basin prioritization system that ranks groundwater basins as high, medium, low, or very low priority. DWR has designated the Kern County Subbasin as a high-priority basin (DWR n.d.), SGMA requires a Groundwater Sustainability Plan (GSP) to manage sustainability of the groundwater basin. The subbasin includes 11 organized GSAs. Of these, six GSAs have elected to be included in the Kern Groundwater Authority GSP. The Kern Groundwater Authority, through a Joint Powers Agreement, is a recognized Groundwater Sustainability Agency in the subbasin for the purpose of developing a GSP. The Kern Groundwater Authority GSP was submitted to DWR in January 2020 (GEI Consultants 2020).

In the Kern County Groundwater Subbasin, there are four other established GSAs who submitted GSPs: The Kern River Groundwater Sustainability Agency, Buena Vista Water Storage District, Henry Miller Water District, and Olcese GSA. The Kern Groundwater Authority has considered and coordinated with the other four GSAs in the Subbasin to comply with the requirement of developing and utilizing consistent data and methodologies throughout the subbasin. Further, the GSAs within the subbasin coordinated the respective elements of their GSPs necessary for achieving the sustainability goals for the Subbasin.

The Kern Groundwater Authority Groundwater Sustainability Agency (GSA) covers approximately 1.2 million acres of the Kern County Subbasin. The Kern Groundwater Authority includes 16 member entities made up of water districts/agencies, groundwater banking projects, and organized non-districted lands. The Kern Groundwater Authority was formed to coordinate groundwater management programs and activities and identify and address issues relating to sustainable groundwater management.

[3] Based on pumping 12 hours per day.

[4] Total gross crop water requirements for alfalfa in the region is 7.10 AF/acre during average years. The crop water requirements for a single dry year and multiple dry years are the same. Assumes a 5-year life of an alfalfa stand.

DWR has identified the Kern County Subbasin as a "critically overdraft basin". In some areas of critical overdraft, complete disconnection between groundwater and overlying surface water systems has occurred (Groundwater Exchange 2020). Current baseline conditions estimate that the subbasin has an average annual overdraft of 324,326 AFY, with the Kern Groundwater Authority representing approximately 256,281 of the deficit. However, with projects and management actions proposed for development and implementation in the subbasin, it is projected that the subbasin will achieve sustainability by 2040 with an estimated 42,144 AFY of surplus (GEI Consultants 2020).

Many of these projects aim to increase surface water supply and groundwater banking in the region. Conjunctive use programs in the subbasin have been developed to capture and transport wet year surface water for the purpose of groundwater recharge and to offset use of groundwater pumping, preparing the basin for dry periods when surface water may be limited. Projects such as interties, pipelines, and recharge basins have been developed, financed, and implemented by districts within the Kern Subbasin to deliver, bank, and return surface water, as well as replenish aquifers to better prepare for and manage water supplies during dry periods when beneficial uses are more reliant on groundwater (GEI Consultants 2020).

The Kern Groundwater Authority GSP also includes multiple different types of member-agency actions to reduce groundwater pumping. These actions include financial incentives to reduce groundwater pumping such as fees for pumping or establishment of a groundwater market and trading programs. Other actions to reduce pumping include programs to limit pumping based on allocation systems that could be based on acreage or baseline pumping rates (GEI Consultants 2020).

Well Permitting Process

Well permits within the Kern County Subbasin are issued by the Kern County Public Health Services Department Water Well Program and will continue under SGMA. The Water Well Program issues permits to construct, reconstruct, and destroy water wells. A supplemental well application for wells to be installed requires information regarding construction of the well, proposed use, and amount of water to be pumped. The water district in which the well is located would inform the applicant of sustainability criteria that may impact operation of the well. This process has been in place since January 2019 and demonstrates coordination between Kern County Public Health Services requirements and SGMA requirements concerning water well permitting processes.

The two wells proposed as a potential water supply for the Project have already been subject to this SGMA-related review and, therefore, are permitted to provide Project water.

3.3 Water Suppliers

Water supply sources for the Kern County Region consist of SWP imports delivered via the California Aqueduct, Millerton Reservoir water delivered via the Friant-Kern Canal, local surface supplies from the Kern River and other local streams, and groundwater supplies from the San Joaquin Valley groundwater basin. Similarly, Kern Groundwater Authority members water supplies include local streams (Caliente, Poso Creek), Kern River, SWP and CVP sources.

SWP water originates in the Sacramento River watershed and is exported from the Sacramento-San Joaquin Delta. The California Aqueduct, which conveys SWP water to southern California, passes

approximately 3 miles southwest of the Sandrini Solar Park Project site. The Friant-Kern Canal conveys CVP water, originating at Millerton Lake and terminating at the Kern River in Bakersfield approximately 17 miles north of the Sandrini Solar Park Project site. The Friant-Kern Canal aqueduct conveys water to augment irrigation capacity in Fresno, Tulare, and Kern counties. Water delivered through the Friant-Kern Canal to the Kern Region is for agricultural and municipal and irrigation uses. Future Friant-Kern Canal deliveries are anticipated to be below the average historic delivery. Due to the San Joaquin River Restoration Program, Friant Division contractors as well as Section 215 contracts[5] to Kern Region are expected to experience a reduction in water deliveries (Provost & Pritchard 2020). Based on the potential reduction in water supply from the Friant-Kern Canal, this water supply is not included in the water supply reliability analysis of this WSA.

3.3.1 Public Water Systems and/or Local Water Agencies and Service Areas

The proposed Sandrini Solar Park Project is located within the KCWA service area. The KCWA was formed by a special act of the California State Legislature in 1961 to contract with DWR to import SWP water to Kern County. KCWA is the second largest participant in the SWP, covering the entire Kern County Groundwater subbasin. KCWA serves as the local contracting entity for the SWP in Kern County and has long-term contracts with 13 local water districts for SWP water. The entire project area is located within the KCWA service area, which is a wholesale water supplier for agriculture, municipal and industrial, including the Wheeler Ridge-Maricopa Water Storage District where the project is located. KCWA also supplies water to the City of Bakersfield through Improvement District No. 4. Harvested acres in Kern County have remained relatively steady at an average of 858,000 acres a year with only a 10 percent annual fluctuation from that average between 1980 and 2017 (GEI Consultants 2020).

Two types of water are available from the SWP, including Table A Water and surplus Article 21 Water. *Table A* refers to water listed in Table A of the contract between the SWP and the contracting agencies and represents the maximum amount of water an agency may request each year. Article 21 water is only available when there is excess water (during the wet months of the year, typically December through March), and is therefore, not considered a long-term reliable supply for Kern County. It is not a significant portion of KCWA's overall water supply and is not included in this WSA analysis.

The project parcels are within the Wheeler Ridge-Maricopa Water Storage District. Generally, Wheeler Ridge-Maricopa Water Storage District's water supply is obtained via the California Aqueduct from the SWP under contract with KCWA. The Kern Delta Water District is immediately north of the proposed project. Other water suppliers, including the Arvin-Edison Water Storage District and Buena Vista Water Storage District service areas, are located approximately 1 mile southeast and 3 miles north, respectively, of the proposed project. The locations of these water agencies relative to the project site are shown in Figure 2.

The Wheeler Ridge-Maricopa Water Storage District (WRMWSD) is a public agency which provides water supplies to approximately 90,000 acres of farmland within its boundaries. WRMWSD was formed under California Water Storage District law for the purpose of securing a surface water supply for agricultural purposes. WRMWSD provides water to agricultural customers through a

[5] The Bureau of Reclamation may provide surplus water (Section 215 contracts to non-long-term contractors), of which the Kern Region has utilized in the past.

combination of SWP water purchased from KCWA (the main source of WRMWSD water), imported water from County of Kern banking projects (Kern Water Bank, the Pioneer Recharge Project, the Berrenda Mesa Recharge Project), and local groundwater. A small percentage of water is supplied on a temporary basis for industrial, ground water recharge, and in-lieu of groundwater pumping purposes (Provost & Pritchard 2020).

3.3.2 Recycled Water

In Kern County, there are 17 wastewater treatment plants that provide secondary and tertiary treated effluent. In addition to treatment plant effluent, agricultural tailwater return systems are also used to recover and reuse water. These return systems collect runoff and transport it to the main irrigation system. Generally, recycled water in Kern County is used for agricultural irrigation and municipal and industrial (M&I) landscape irrigation. With additional treatment, recycled water could be applied to more extensive use. Tertiary treated water can also be used for industrial process water where there is no contact with workers (Provost & Pritchard 2020).

3.3.3 Produced Water

When oil is extracted the water brought to the surface is referred to as "produced water." Produced water is groundwater that is mixed with hydrocarbons and located within the hydrocarbon bearing reservoir. Produced water is often returned to the original geological formation for enhanced oil recovery or disposal. Some produced water is suitable for beneficial use with treatment, although most is higher in salinity and extensive treatment and blending with other water is needed before use. New technology and the need to find new sources of water are driving the ability to process and treat produced water for use (GEI Consultants). Produced water has potential in southern water districts including Wheeler-Ridge Water Storage District, Arvin-Edison Water Storage District, and Kern Delta Water District. However, considering groundwater banking programs with urban agencies, water quality and municipal and irrigation use are concerns (Provost & Pritchard 2020).

3.3.4 EDP Renewables Water Supplies

The primary proposed source of water for project construction is groundwater from a well located adjacent to the project parcels in the Wheeler Ridge-Maricopa Water Storage District. The primary proposed sources of water for project operations are the same well supplying construction water adjacent to the project parcels or water transfers purchased via a Municipal and Industrial (M&I) deal with Wheeler Ridge-Maricopa Water Storage District (WRMWSD). A water rights/pumping purchase agreement with a private groundwater well landowner would cover construction and O&M water usage (EDPR pers. comm.).

Chapter 4
Water Supply Assessment

A WSA is required to identify and describe the water supply sources of the public water supplier that would serve the proposed project. CWC Section 10910(d) requires a WSA to include an identification of any existing water supply entitlements, water rights, or water service contracts relevant to the identified water supply for the proposed project, as well as a description of the quantities of water received by the public water supplier. A WSA must include a discussion of the availability of an identified water supply under normal year, single dry year, and multiple dry year conditions over a 20-year projection, accounting for the projected water demand of the project, in addition to other existing and planned future uses of the identified water supply. This WSA analyzes a number of water sources that may be available to meet the Sandrini Solar Park Project's anticipated construction and annual O&M water demand.

To maximize the flexibility and reliability of water sources available for the project, this WSA identifies a number of local water purveyors that may supply the project with water for construction and/or operational needs. Based on its service area, KCWA is a possible indirect source of supply for the proposed project (e.g., through WRMWSD).

4.1 Water Management Plans

UWMPs are prepared by California's urban water suppliers to support long-term resource planning and ensure adequate water supplies. Every urban water supplier that either delivers more than 3,000 AFY of water annually or serves more than 3,000 connections is required to assess the reliability of its water sources over a 20-year period under normal, dry, and multiple dry year scenarios; these are the same requirements of a WSA, as specified by SB 610. UWMPs must be updated and submitted to the California DWR every 5 years for review and approval. Integrated Regional Water Management Plans (IRWMPs) also provide similar information.

No current water management plans incorporate water supply for the proposed project, but the following water management plans provided valuable information for this WSA, as follows.

- The **2020 Kern IRWMP Final Update** (Provost & Pritchard Consulting Group 2020) evaluates the reliability of the total water supply for Kern County, including the South County Region where the proposed project is located. It also includes consideration of SWP imports (most, but not all of which are delivered to KCWA), banked groundwater, recycled/reused water, and local surface water.
- The **2020 Kern Groundwater Authority Groundwater Sustainability Plan** (GEI Consultants 2020) evaluates groundwater sustainability within Kern Groundwater Authority GSP area, including consideration of SWP imports, banked groundwater, and local surface water.

4.2 Water Supply Availability

There are no sources of piped potable water at or near the Sandrini Solar Park Project site. Because solar panels are susceptible to damage and become inefficient with the use of poor-quality water, the purchase of high-quality water or the process of filtering water onsite may be necessary. The primary proposed source of water for project construction is groundwater from a well located adjacent to the project parcels in the Wheeler Ridge-Maricopa Water Storage District. The primary proposed sources of water for project operations are the same well used for construction water adjacent to the project parcels or water transfers purchased via a Municipal and Industrial (M&I) deal with Wheeler Ridge-Maricopa Water Storage District (WRMWSD), which receives water from KCWA.

4.2.1 Kern County Region Water Supply and Demand Projections

Water demands within the Kern Region are serviced by a variety of water purveyors, including the large wholesale agency, KCWA and its member districts (for agricultural and M&I use), irrigation districts, investor-owned water companies, mutual water companies, municipalities and private well owners. Water supplies utilized in the region are SWP via the California Aqueduct, CVP via the Friant-Kern Canal, and local surface supplies from the Kern River and other local streams, as well as groundwater from the San Joaquin Valley groundwater basin (GEI Consultants 2020).

Agriculture, M&I users, and groundwater banking operations all draw upon local groundwater resources, with agriculture estimated to be the largest user of groundwater. However, because the majority of groundwater extractions in the Region are not recorded, obtaining an accurate assessment of groundwater extractions in the Region is difficult. Previously, agricultural and urban power records were matched with calculations for groundwater production. Since the year 2001 groundwater extractions have been estimated based on trends in groundwater storage and/or assessment of crop water requirements. Data for years beyond 2012 have not been published (Provost & Pritchard 2020).

Based on existing and planned future water supply assumptions, adequate water supply is anticipated during normal water years. As shown in Table 4, KCWA estimates there would be no difficulty in meeting its projected water demands under normal conditions through 2040 (Provost & Pritchard 2020). However, under single dry years or multiple dry year scenarios, predicted water demand data was not available. Because the privately-owned groundwater wells proposed as water supply for the project are located in the Kern County Subbasin, groundwater supplies from the Kern County Subbasin water budget considered the groundwater from the privately-owned well.

Each year, DWR calculates the total amount of water available for delivery in the system, accounting for hydrologic conditions, regulatory restrictions on Bay-Delta exports, existing infrastructure conditions, and uncertainty in hydrologic forecasts, and apportions the estimated available water based on each SWP contractor's maximum allotment, which is referred to as Table A water. KCWA's annual Table A allotment is 982,730 AF. SWP contractors on average—over all water-year types—receive about 59 percent of their Table A allocation, which represents about 579,810 AFY for KCWA. DWR estimates that SWP deliveries during multiple-year dry periods could average about 29 to 34 percent of total Table A amounts and could be as low as 8 percent during an unusually dry single year (Provost & Pritchard 2020).

The two large projects that import water into the Kern Region, the CVP (from Millerton Reservoir) and the SWP (from the Delta), have been incrementally impacted by environmental and regulatory requirements that have diminished the ability to reliably deliver water supplies. Reductions in statewide water supply could be as much as 30 percent in certain hydrologic year types, or nearly 2 million AF. The most immediate impacts of water delivery reductions have occurred in agricultural communities in the Kern Region and the Tulare Lake Hydrologic Region as a whole, where water districts have been forced to increase groundwater extractions and limit recharge. There are long-term concerns that reduced water imports and pumping restrictions would limit the ability of the region to acquire surplus water in wet and very wet hydrologic year types. This surplus water is vital to the conjunctive use and banking programs pioneered and relied upon by both agricultural and urban water districts throughout the Kern County region. Implementation of the Kern IRWMP, including implementation of local water supply projects, collaboration and coordination of water agencies, and water efficiency and conservation projects, will reduce the region's dependence on imported water supplies (Provost & Pritchard 2020).

In addition to imported water, water supplies in the Kern County region are composed of groundwater. Groundwater accounts for 39 percent of total water supply and as much as 60 percent during dry years. Agriculture, M&I, and groundwater banking operations extract local groundwater resources, with agriculture being the largest user of groundwater. The majority of groundwater extractions in the region are not recorded, therefore obtaining an accurate assessment of groundwater extractions in the region is difficult (Provost & Pritchard 2020). However, groundwater levels are monitored to protect and sustain the groundwater basin.

Further, the majority of the Kern Groundwater Authority member agencies participate in groundwater banking and recharge programs. It is estimated that there are over 30,000 acres of groundwater recharge ponds in the region. Maximum annual recharge capacity in the region is estimated to be over 1.5 million AFY with maximum annual recovery estimated approximately 900,000 AF. The estimated total storage capacity for the Region is approximately 50 million AF. Approximately 10 million AF of that storage has been dewatered and available for conjunctive use and groundwater banking operations. There is approximately 5.4 million AF in managed groundwater storage in the region (Provost & Pritchard 2020).

Groundwater banking facilities in the Kern County Subbasin include the Kern Water Bank and KCWA's Pioneer Project. Kern Water Bank contains approximately 7,000 acres of recharge ponds, 91 recovery wells, yielding a total annual recovery capacity of approximately 230,000 AF, and a maximum annual recharge capacity of approximately 450,000 AF. The Pioneer Project has 38 wells, which yields a total maximum annual recovery of approximately 100,000 AF. The Kern Delta Water District has also constructed over 800 acres of groundwater recharge basins with an annual recharge capacity of over 120,000 AF per year. To recover banked groundwater and supplement surface water deliveries to landowners, 18 wells have been constructed or purchased, with an estimated recovery capacity of 94,000 AF in a dry year (Provost & Pritchard 2020). When water is available that cannot be absorbed, these water banking projects provide additional storage facility for otherwise potentially lost surplus surface supplies available during wet years. Kern Groundwater Authority members have identified more than 150 projects and management actions ranging from expansion of local and regional conveyance and recharge facilities to benefit from surplus supplies; new conveyance and recharge projects; and participation in the California WaterFix or other thru-Delta improvement projects. Management actions include implementation of district level fee structures to provide incentive for reduced groundwater pumping; participation in

local, regional, and state-wide water markets; and setting allocation for groundwater use by landowner, based on the sustainable yield of management areas (GEI Consultants 2020).

Various water transfers and exchanges occur throughout the region through a complex and interconnected water distribution system of canals and pipelines. Local agencies have agreements that allow agencies to call on available supplies when another supply source is experiencing shortage, and for other reasons to reduce costs, conserve energy, and/or improve water quality. For example, the KCWA Improvement District Number 4 (ID4) has transfer and exchange agreements in place with North Kern Water Storage District, Buena Vista Water Storage District and Kern Delta Water District that allow ID4 to increase its use of Kern River water in years when SWP supplies are limited. Arvin-Edison Water Storage District also has assisted districts with transfers and exchanges given its CVP contract and facility infrastructure interconnections with all major conveyance systems (Kern River, CVP/Friant-Kern Canal, SWP/California Aqueduct, CVC, and interconnections with Kern Delta Water District). Several water banks have agreements to store surface water from agencies outside the region, allowing imported supplies that belong to out-of-region banking participants to be delivered to banking programs within the region. Water is either percolated into the groundwater basin and stored, or local agencies use the water in-lieu of groundwater pumping, allowing water levels in the groundwater basin to be maintained or improved.

The combination of KCWA's SWP Table A allotment, its use of groundwater banking programs, and the use of interagency exchange agreements provides KCWA with a high degree of flexibility in meeting the region's water demands. The 2020 Kern IRWMP estimates water supply and demand through 2040 (see 4). KWCA determined that sufficient supplies would be available to meet demands through 2040 under normal water year conditions. For the average year condition from 2020 to 2040, KCWA is projected to have a surplus of between 356,196 AF[6] and 441,761 AF. However, under single dry years or multiple dry year scenarios, predicted water demand data was not available. Although water conservation measures could be practiced during single dry years and multiple dry years, for the purposes of this WSA it was assumed demands would stay the same as for normal water years. KCWA's projected water demand and supply, during normal, single dry, and multiple dry years is presented in

[6] Projected urban water demands were taken from UWMPs developed by the local agency. Not all UWMPs estimated water demand through 2040, therefore 2040 total water demand does not include all KCWA water demand. The conservative assumption is that KCWA surplus in 2040 would be similar to the minimum water surplus of 356,196 AF projected in 2035.

Table . Conservatively, considering the smallest projected surplus of 356,196 AF (during a normal year, 2040 projection), the water demand of 512.5 AF over the 35-year life of the proposed project represents approximately 0.14 percent of the projected 1-year surplus.

Surplus water in normal years would be banked either for overdraft recovery or future use. Banked groundwater would be used to supplement water supplies in dry years or during years of shortages. WRMWSD has been involved in the development of the Kern Water Bank, the Pioneer Project, and the Berrenda Mesa water-banking project on the Kern River Fan. These projects allow WRMWSD to purchase surplus water and store it for dry-year use and store its own SWP entitlements for future use during years of higher-than-normal precipitation (Provost & Pritchard 2020).

Table 4. Projected KCWA Water Supply and Demand Over a Normal Year, Single Dry Year, and Multiple Dry Year Period

	Normal Year					Single Dry Year[1]					Multiple Dry Year[1]				
	2020	2025	2030	2035	2040	2020	2025	2030	2035	2040	2020	2025	2030	2035	2040
Supplies (AF)															
State Water Project Table A	611,258	611,258	611,258	611,258	611,258	78,618	78,618	78,618	78,618	78,618	334,128	334,128	334,128	334,128	334,128
Groundwater[2]	116,000	216,000	343,000	361,000	422,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total KCWA Supply	**611,258**	**611,258**	**611,258**	**611,258**	**611,258**	**78,618**	**78,618**	**78,618**	**78,618**	**78,618**	**334,128**	**334,128**	**334,128**	**334,128**	**334,128**
Demand (AF)															
Potable Water[3]	169,497	217,661	235,674	255,062	274,450[4]	169,497	217,661	235,674	255,062	274,450	169,497	217,661	235,674	255,062	274,450
Difference	**557,761**	**609,597**	**718,584**	**717,196**	**758,808**	-90,879	-139,043	-157,056	-176,444	-195,832	164,631	116,467	98,454	79,066	59,678

Source: Provost & Pritchard Consulting Group 2020; Todd Groundwater 2020

State Water Project Table A water supplies assumes Table A contract amount of 982,730 AFY

1 Although water conservation measures could be practiced during single dry years and multiple dry years, as a conservative approach and because projected water demand in single and multiple dry years was not available, water demand was assumed to remain the same with each water year type.

2 Some management actions within the Kern County groundwater subbasin are implemented gradually over many years, with savings increasing each year over the implementation period. However, some management actions are implemented only in certain years (i.e. in wet years). The anticipated average-annual water supply benefit of the proposed SGMA projects and management actions steadily increases over the 20-year period from WY2021 to WY2040 to represent the implementation of the Kern County Subbasin GSPs. Groundwater supplies including the privately-owned groundwater wells proposed as water supply for the project are in the Kern County Subbasin, and were included in the Kern County Subbasin water budget.

3 Includes all Kern County Subregions

4 Projected urban water demands were taken from UWMPs developed by the local agencies. Not all UWMPs estimated water demand through 2040, therefore total water demand for 2040 did not include all KCWA water demand in 2040. As a result, water Demand in 2040 was calculated based on the increased water demand projected between 2030 and 2035.

AF = acre-feet; NA = Not Available

4.2.2 Water Supply and Demand Comparison

Sources of potential project water have been identified to supply the Sandrini Solar Park Project. The proposed project can potentially obtain project water from groundwater and/or KCWA supplies, which include SWP water delivered through the California Aqueduct, approximately 3 miles southwest of the Sandrini Solar Park Project (Figure 2).

Increasing solar projects is a priority for stakeholders in Kern County. Within the Wheeler Ridge-Maricopa Water Storage District, water management strategies for solar power generation projects include conjunctive management and groundwater storage. The Arvin-Edison Water Storage District provides subsidies to incentivize groundwater users to convert land to alternative land uses including solar farms. An active groundwater well is present adjacent to the project parcels; therefore, groundwater is a potential source of Project water. A Water rights/pumping purchase agreement with a private groundwater well landowner would cover O&M water usage (EDPR pers. Comm.). Because the privately-owned groundwater wells proposed as water supply for the project are located in the Kern County Subbasin, the Kern County Subbasin water budget incorporated groundwater from the privately-owned well. The project would draw water supply from an existing privately-owned water-right, therefore the volume of water used for the project has been incorporated into KCWA's and regional groundwater supply and demand. To supply construction and on-going maintenance water to all of the Sandrini Solar Park parcels, the well would be equipped with a pump to provide water that would fill 5,000-gallon water trucks. Station water tanks would be located near the well, where water trucks would be filled and trucked throughout the Sandrini Solar Park Project site.

Table compares the available supply for construction and O&M for normal, single dry, and multiple dry water years for the Sandrini Solar Park Project to water availability. Based on identified water supply sources and the potential volume of water the project could obtain from each source; sufficient water supply is available to meet the proposed project construction and operational demands under normal year conditions. However, projected water demand data in single and multiple dry years was not available, but if demand is not reduced during dry years, KCWA water would not be enough to meet full regional demand. During periods of shortage water demand for the region and for the Project will be met by groundwater.

Table 5. Water Supply for the Sandrini Solar Park Project

	Construction (2022–2023)			Operations and Maintenance (2023–2040)		
Available Sources	**Normal Water Year**	**Single Dry Year**	**Multiple Dry Year**	**Normal Water Year**	**Single Dry Year**	**Multiple Dry Year**
	Projected Available Supply (AF)					
Excess KCWA[a]	557,761[b]	-90,879	164,631	758,808[c]	-195,832[c]	59,678[c]
	Projected Demand (AF)					
Sandrini Project	**425**	**425**	**425**	**2.5**	**2.5**	**2.5**
Available Supply Minus Demand						
KCWA	**557,336**	**-91,304**	**164,206**	**758,806**	**-195,835**	**59,676**

Source: Provost & Pritchard Consulting Group 2020

[a] The available production from Well 1 (approximately 1,240 AFY from the private well proposed as a source for Project construction and operation water supply) is incorporated into KCWA's supply calculation for normal, single dry, and multiple dry years.

[b] For the construction period between 2022 and 2023, normal, single dry, and multiple dry years projected remaining available supply values are the 2020 projections calculated in Table 4.

[c] For the O&M period between 2023 and 2040, projected available supply values are the lowest projected surplus in the 2020–2040 period evaluated in the 2020 Kern IRWMP, which are the values projected for 2040.

AF = acre-feet; KCWA = Kern County Water Agency

Chapter 5
Conclusions

This WSA has evaluated the water supply under normal year, single dry year, and multiple dry year conditions over a 20-year projection, accounting for the projected water demand of the proposed Sandrini Solar Park Project, in addition to other existing and planned future uses of the identified water supplies.

Long-term water demands for the proposed project are relatively minor, with water requirements likely much lower than the agricultural activities that formerly occurred on the site. Potential sources of project water supply include groundwater and KCWA water from WRMWSD. Because O&M water demand is low, water could be trucked to the project site, allowing water-source flexibility. Based on this WSA evaluation, adequate water supplies for the construction and annual O&M demand are likely to be available through 2040 under all water year types.

Based on the 2020 Kern IRWMP, KCWA water supply is likely to be more than adequate to meet regional demand during normal years, but not dry years (Provost & Pritchard 2020). Because the privately-owned groundwater wells proposed as water supply are located in the Kern County Subbasin and would draw water supply from an existing privately owned water-right, groundwater demand for the project has been incorporated into KCWA's and the Kern County Subbasin groundwater supply projections. Excess KCWA water during normal years can contribute to water banks. The Kern Groundwater Authority GSP estimates that water management actions to increase groundwater storage (e.g., through groundwater banking) and to reduce groundwater pumping (e.g., through fees and allocation restriction) will result in sustainable groundwater levels with an estimated 42,144 AFY of surplus by 2040 (GEI Consultants 2020).

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Chapter 6
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